

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

TELEPHONE: (215) 400-4730

Addendum No. 001

**Subject: Generator Replacement
Lewis Elkin Elementary School**

**Location: Lewis Elkin Elementary School
3199 D Street
Philadelphia, PA 19134**

This Addendum, dated March 6, 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.

Revise as indicated below.

1.1 Drawings

A. Drawing E-20 ELECTRICAL ONE-LINE DIAGRAM & SCHEDULES is being re-issued to all contractors.

1.2 Specifications

A. Section 26 43 13 – Transient Voltage Suppression for Low Voltage Power Circuits, paragraph 2.01 B. 1. The surge protection device is mounted exterior to the panelboard.

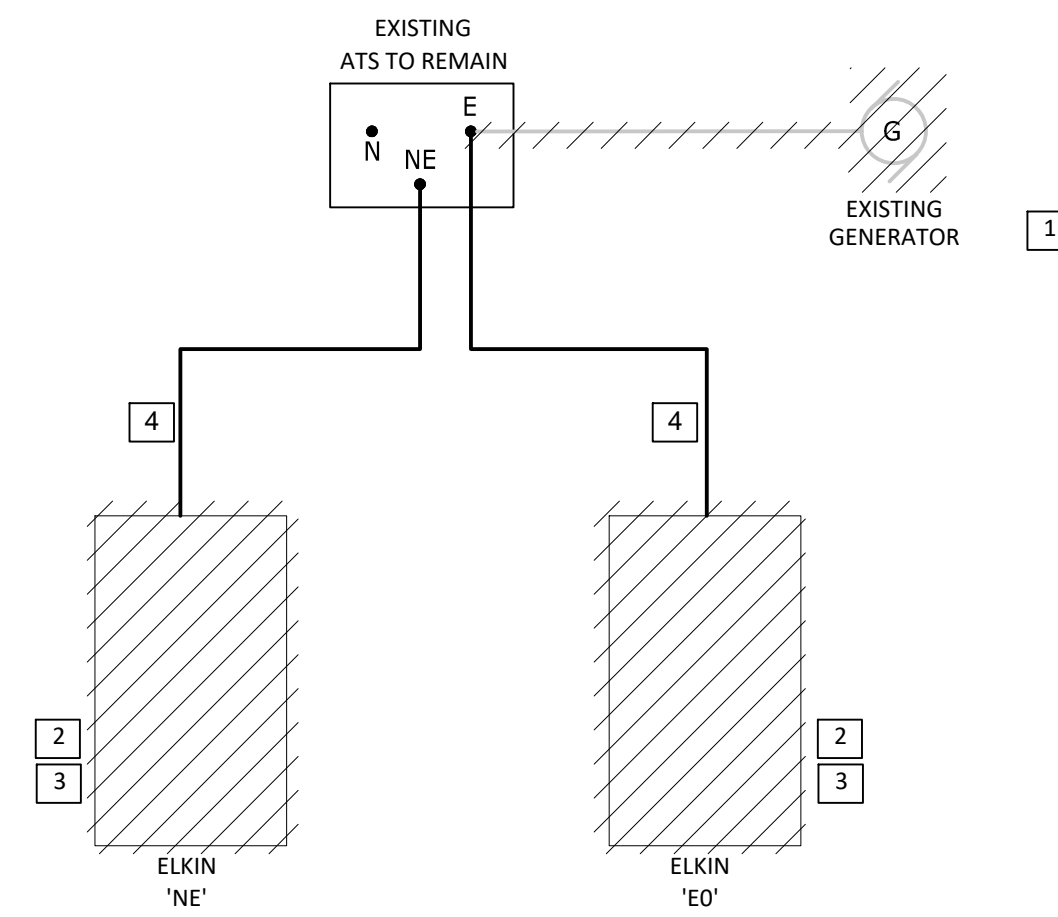
END OF ADDENDUM #001

PANEL DESIGNATION		TYPE: BRANCH CIRCUIT		LOCATION: BOILER ROOM										
NE		NUMBER OF POLES: 30		VOLTAGE: 208Y/120V, 3-PHASE, 4-WIRE										
		MAIN BUS RATING: 125A		PANEL MOUNTING: SURFACE										
		MAIN RATING: 125A MAIN LUG ONLY		PANEL ENCLOSURE (NEMA): 1										
		SHORT CIRCUIT: 10kA												
CIR No.	EKR	DESCRIPTION	WIRE	GROUND	CONDUIT	LOAD - KVA	LOAD - KVA	CONDUIT	GROUND	WIRE	DESCRIPTION	CIR No.	EKR	
1	2011	RECONNECT				0.25	0.25				RECONNECT	2011	2	
3	2011	RECONNECT				0.25	0.25				RECONNECT	2011	4	
5	2011	RECONNECT				0.25	0.25				RECONNECT	2011	6	
7	2011	RECONNECT				0.25	0.25				RECONNECT	2011	8	
9	2011	RECONNECT				0.25	0.25				RECONNECT	2011	10	
11	2011	RECONNECT				0.25	0.25				RECONNECT	2011	12	
13	2011	RECONNECT				0.25	0.25				RECONNECT	2011	14	
15	2011	RECONNECT				0.25	0.25				RECONNECT	2011	16	
17	2011	RECONNECT				0.25	0.25				RECONNECT	2011	18	
19	2012	RECONNECT				0.25	0.25				RECONNECT	2012	20	
21	---	---				0.25	0.25				---	---	22	
23	2011	SPARE				1.00	1.00				BATTERY CHARGER	2011	24	
25	---	---				1.00	1.00				HEATER	2011	26	
27	3000	TVSS UNIT				0.20	0.20				RECEPTACLE	2011	28	
29	---	---									SPARE	2011	30	
TOTAL						1.00	1.00	0.75			2.00	1.20	1.75	TOTAL

PANEL CONNECTED LOAD
 #A 3.00 X SOLID NEUTRAL BUS
 #B 2.20 X EQUIPMENT GROUND BUS
 #C 2.50 X INTEGRAL 120KA SPD
 7.70 TOTAL

PANEL DESIGNATION		TYPE: BRANCH CIRCUIT		LOCATION: BOILER ROOM										
EO		NUMBER OF POLES: 30		VOLTAGE: 208Y/120V, 3-PHASE, 4-WIRE										
		MAIN BUS RATING: 125A		PANEL MOUNTING: SURFACE										
		MAIN RATING: 125A MAIN LUG ONLY		PANEL ENCLOSURE (NEMA): 1										
		SHORT CIRCUIT: 10kA												
1	2011	RECONNECT				0.25	0.25				RECONNECT	2011	2	
3	2011	RECONNECT				0.25	0.25				RECONNECT	2011	4	
5	2011	RECONNECT				0.25	0.25				RECONNECT	2011	6	
7	2011	RECONNECT				0.25	0.25				RECONNECT	2011	8	
9	2011	RECONNECT				0.25	0.25				RECONNECT	2011	10	
11	2011	RECONNECT				0.25	0.25				RECONNECT	2011	12	
13	2011	RECONNECT				0.25	0.25				RECONNECT	2011	14	
15	2011	RECONNECT				0.25	0.25				RECONNECT	2011	16	
17	2011	SPARE				0.25	0.25				SPARE	2011	18	
19	2011	SPARE									SPARE	2011	20	
21	2011	SPARE									SPARE	2011	22	
23	2011	SPARE									SPARE	2011	24	
25	2011	SPARE									SPARE	2011	26	
27	2011	SPARE									SPARE	2011	28	
29	2011	SPARE									SPARE	2011	30	
TOTAL						0.75	0.75	0.75			0.80	0.80	0.80	TOTAL

PANEL CONNECTED LOAD
 #A 1.25 X SOLID NEUTRAL BUS
 #B 1.25 X EQUIPMENT GROUND BUS
 #C 1.25
 3.75 TOTAL



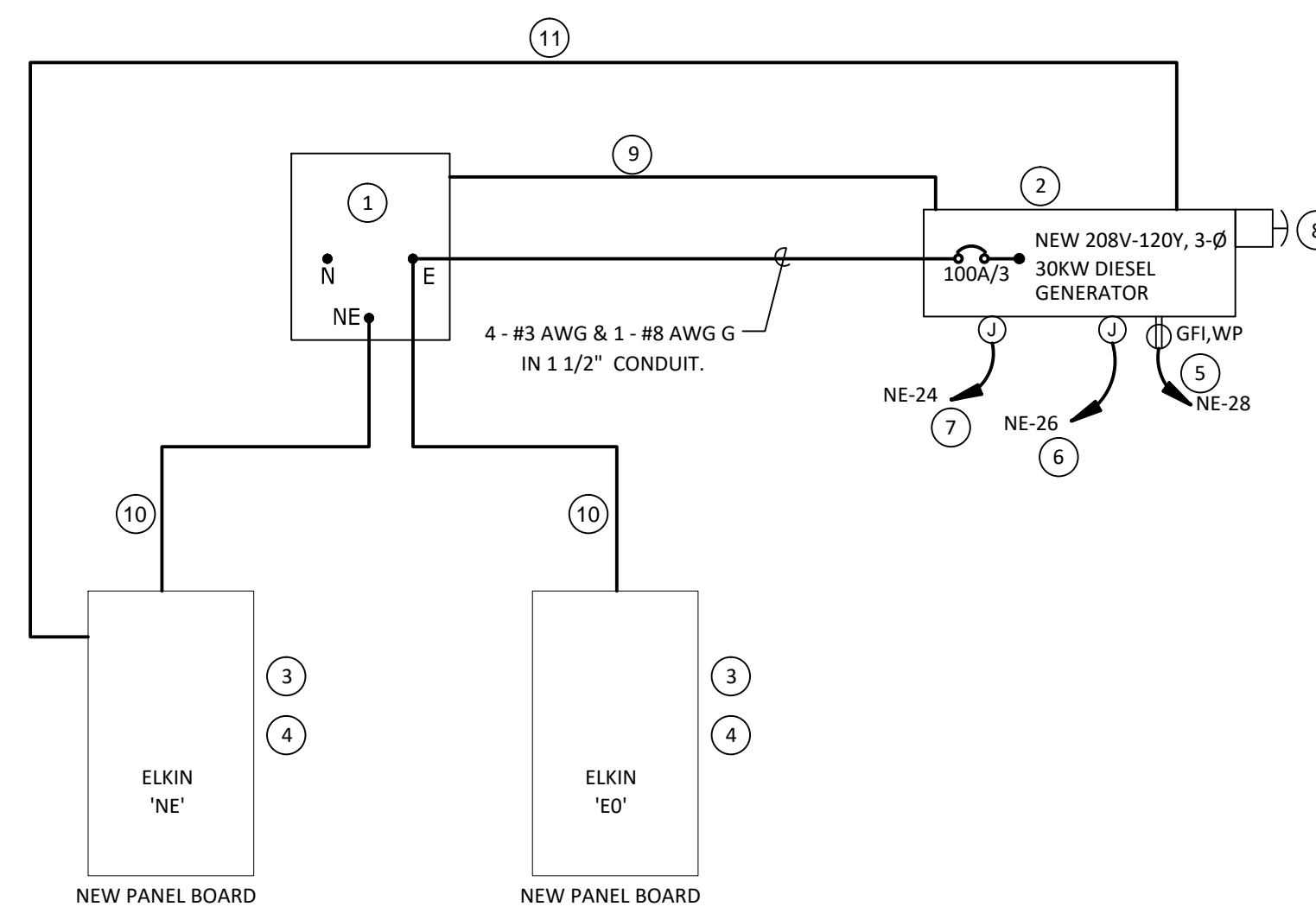
PARTIAL ONE-LINE DIAGRAM - DEMOLITION
NOT TO SCALE

KEYED DEMOLITION NOTES

- 1 DISCONNECT AND REMOVE EXISTING GENERATOR INCLUDING ALL NATURAL GAS PIPING, EXHAUST PIPING, CITY WATER CONNECTION, WIRING AND CONDUIT. CAP NATURAL GAS PIPING AT TEE FITTING ABOVE GENERATOR. CAP CITY WATER CONNECTION ABOVE GENERATOR.
- 2 DISCONNECT ALL EXISTING BRANCH CIRCUITS, AND RETAIN FOR RECONNECT.
- 3 DISCONNECT AND REMOVE EXISTING PANELBOARD.
- 4 EXISTING FEEDER TO REMAIN AND BE REUSED.

GENERAL NOTES

THIS PROJECT WILL NOT HAVE ANY MEASURABLE CHANGE IN THE ELECTRICAL LOAD OF THIS BUILDING.



KEYED NEW WORK NOTES

- 1 EXISTING 100-AMPERE, 3-PHASE, 208/120-VOLT AUTOMATIC TRANSFER SWITCH TO REMAIN AND BE REUSED. INSPECT AND PERFORM MAINTENANCE ON TRANSFER SWITCH AND ENSURE SWITCH IS IN WORKING ORDER.
- 2 PROVIDE NEW GENERATOR.
- 3 PROVIDE NEW PANELBOARD.
- 4 RECONNECT ALL EXISTING BRANCH CIRCUITS, EXTEND CONDUIT FROM PREVIOUS PANEL LOCATION WITH 2 - #12 & 1 - #12 AWG G IN 3/4" CONDUIT
- 5 MAKE CONNECTION TO NEMA 5-20R RECEPTACLE
- 6 MAKE CONNECTION TO BLOCK HEATER.
- 7 MAKE CONNECTION TO BATTERY CHARGER.
- 8 EMERGENCY STOP BUTTON.
- 9 1" CONDUIT FOR CONTROL WIRING BETWEEN AUTOMATIC TRANSFER SWITCH AND GENERATOR
- 10 RECONNECT EXISTING FEEDER TO NEW PANEL BOARD.
- 11 1 1/4" CONDUIT FOR BRANCH CIRCUITS TO GENERATOR.

PARTIAL ONE-LINE DIAGRAM - NEW WORK
NOT TO SCALE



SCHOOL & LOCATION
LEWIS ELKIN ELEMENTARY SCHOOL
3198 D STREET PHILADELPHIA, PA 19134

PROJECT TITLE
GENERATOR REPLACEMENT

DRAWING TITLE
ELECTRICAL ONE-LINE DIAGRAMS & SCHEDULES

APPROVED BY

SCHOOL DISTRICT OF PHILADELPHIA
THE SCHOOL REFORM COMMISSION

DEPARTMENT OF DESIGN AND CONSTRUCTION SERVICES
PHILADELPHIA, PA 19106-4615
215.400.4030 FAX 215.400.4731
www.phila.gov

CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT SITE

NO.	DATE	ISSUED DURING BIDDING	REVISION
1	03/22/16		

SPEC NO.	DATE
8-104 C of 2016/17	12/20/2017

SCALE	LOCATION NO.
AS NOTED	5260

DRAWN BY	TYPE NO.
RNK	278

CHECKED BY	FILE NO.
BAM	95

DRAWING NO.
E-20