

Sent via email: pweber@dlz.com

January 29, 2014

Paul Weber
DLZ
1425 Keystone Ave.
Lansing, MI 48911

**Re: Capital Area Transportation Authority – Emergency Backup Generator
Matrix Project No: 11195.01**

Paul,

Please include the following in the next addendum.

1. **Drawing E1.0, Specifications:** Add following section: **Fused Switches:** Provide 600V, Class A, Heavy Duty, dual horsepower rated in NEMA 3R enclosure. Complete with arc quenching chutes and self-aligning fuse and break jaws. Provide service entrance rating.
2. **Drawing E6.1 (Drawing Re-Issued):**
 - a. **New 600KW Generator:** Manufacturer shall provide a 100% rated breaker.
 - b. Contractor shall provide a new service rated exterior fused switch as shown. Refer to Drawing E7.2 for location.
 - c. **New Panel “RP3”:** Contractor shall provide a new 60A-3P breaker in panel “RP2” to feed new panel “RP3”. Provide (4) #2 in 1 ½-inch conduit to feed panel “RP3”. Panel is located on sheet E5.0.
 - d. **ATS-2:** Transfer switch is provided by owner and installed by contractor. Transfer switch is an existing ASCO,225A.
3. **Drawing E7.1, Enlarged Dispatch Center:** Receptacle circuits should be re-fed to new panel “RP3” and not panel “RP2” as shown in note “1”.
4. **Drawing E7.2 (Drawing Re-Issued):**
 - a. Contractor shall provide and install a new service rated fused switch. Disconnect existing feeder conduits and wire above existing exterior pullbox. Remove conduit as required to install new fused switch. Re-terminate existing wires and provide new conduit and wires as required.

- b. New Note “2”:** Contractor shall disconnect and relocate existing junction box. Modify existing conduit and wire as required. Relocate existing conduit and wire from panel “F” for new “ATS2” installation.

5. Drawing E9.0: Refer to new panel schedule “RP3” and revised panel schedule “RP2”.

Sincerely,

Angela Robinson, P.E.
Matrix Consulting Engineers, Inc.



DATE	1/29/14
BY	AM
REVISIONS:	DESCRIPTION
2	ADDENDUM 2
1	DESIGNED BY JAY PETER'S
0	PROJECT NUMBER
0941.6302.00	

REVISIED ELECTRICAL
RISER DIAGRAM
CAPITAL AREA TRANSPORTATION AUTHORITY
EMERGENCY BACKUP GENERATOR
MICHIGAN
DESIGNED BY JAY PETER'S
PROJECT NUMBER
0941.6302.00

LANSING
SHEET 9
OF 10
DRAWING NUMBER
E9.0

NEW PANEL "RP1"

CIRCUIT	PHASE LOADS			CIRCUIT	DESCRIPTION	MVA
	A	B	C			
1	2400	2400	2400	1	1200 GAT PUMP	30
2	2400	2400	2400	2	1200 GAT PUMP	30
3	2400	2400	2400	3	1200 GAT PUMP	30
4	2400	2400	2400	4	1200 GAT PUMP	30
5	2400	2400	2400	5	1200 GAT PUMP	30
6	2400	2400	2400	6	1200 GAT PUMP	30
7	2400	2400	2400	7	1200 GAT PUMP	30
8	2400	2400	2400	8	1200 GAT PUMP	30
9	2400	2400	2400	9	1200 GAT PUMP	30
10	2400	2400	2400	10	1200 GAT PUMP	30
11	2400	2400	2400	11	1200 GAT PUMP	30
12	2400	2400	2400	12	1200 GAT PUMP	30
13	2400	2400	2400	13	1200 GAT PUMP	30
14	2400	2400	2400	14	1200 GAT PUMP	30
15	2400	2400	2400	15	1200 GAT PUMP	30
16	2400	2400	2400	16	1200 GAT PUMP	30
17	2400	2400	2400	17	1200 GAT PUMP	30
18	2400	2400	2400	18	1200 GAT PUMP	30
19	2400	2400	2400	19	1200 GAT PUMP	30
20	2400	2400	2400	20	1200 GAT PUMP	30
21	2400	2400	2400	21	1200 GAT PUMP	30
22	2400	2400	2400	22	1200 GAT PUMP	30
23	2400	2400	2400	23	1200 GAT PUMP	30
24	2400	2400	2400	24	1200 GAT PUMP	30
25	2400	2400	2400	25	1200 GAT PUMP	30
26	2400	2400	2400	26	1200 GAT PUMP	30
27	2400	2400	2400	27	1200 GAT PUMP	30
28	2400	2400	2400	28	1200 GAT PUMP	30
29	2400	2400	2400	29	1200 GAT PUMP	30
30	2400	2400	2400	30	1200 GAT PUMP	30
31	2400	2400	2400	31	1200 GAT PUMP	30
32	2400	2400	2400	32	1200 GAT PUMP	30
33	2400	2400	2400	33	1200 GAT PUMP	30
34	2400	2400	2400	34	1200 GAT PUMP	30
35	2400	2400	2400	35	1200 GAT PUMP	30
36	2400	2400	2400	36	1200 GAT PUMP	30
37	2400	2400	2400	37	1200 GAT PUMP	30
38	2400	2400	2400	38	1200 GAT PUMP	30
39	2400	2400	2400	39	1200 GAT PUMP	30
40	2400	2400	2400	40	1200 GAT PUMP	30
41	2400	2400	2400	41	1200 GAT PUMP	30
42	2400	2400	2400	42	1200 GAT PUMP	30
43	2400	2400	2400	43	1200 GAT PUMP	30
44	2400	2400	2400	44	1200 GAT PUMP	30
45	2400	2400	2400	45	1200 GAT PUMP	30
46	2400	2400	2400	46	1200 GAT PUMP	30
47	2400	2400	2400	47	1200 GAT PUMP	30
48	2400	2400	2400	48	1200 GAT PUMP	30
49	2400	2400	2400	49	1200 GAT PUMP	30
50	2400	2400	2400	50	1200 GAT PUMP	30
51	2400	2400	2400	51	1200 GAT PUMP	30
52	2400	2400	2400	52	1200 GAT PUMP	30
53	2400	2400	2400	53	1200 GAT PUMP	30
54	2400	2400	2400	54	1200 GAT PUMP	30
55	2400	2400	2400	55	1200 GAT PUMP	30
56	2400	2400	2400	56	1200 GAT PUMP	30
57	2400	2400	2400	57	1200 GAT PUMP	30
58	2400	2400	2400	58	1200 GAT PUMP	30
59	2400	2400	2400	59	1200 GAT PUMP	30
60	2400	2400	2400	60	1200 GAT PUMP	30
61	2400	2400	2400	61	1200 GAT PUMP	30
62	2400	2400	2400	62	1200 GAT PUMP	30
63	2400	2400	2400	63	1200 GAT PUMP	30
64	2400	2400	2400	64	1200 GAT PUMP	30
65	2400	2400	2400	65	1200 GAT PUMP	30
66	2400	2400	2400	66	1200 GAT PUMP	30
67	2400	2400	2400	67	1200 GAT PUMP	30
68	2400	2400	2400	68	1200 GAT PUMP	30
69	2400	2400	2400	69	1200 GAT PUMP	30
70	2400	2400	2400	70	1200 GAT PUMP	30
71	2400	2400	2400	71	1200 GAT PUMP	30
72	2400	2400	2400	72	1200 GAT PUMP	30
73	2400	2400	2400	73	1200 GAT PUMP	30
74	2400	2400	2400	74	1200 GAT PUMP	30
75	2400	2400	2400	75	1200 GAT PUMP	30
76	2400	2400	2400	76	1200 GAT PUMP	30
77	2400	2400	2400	77	1200 GAT PUMP	30
78	2400	2400	2400	78	1200 GAT PUMP	30
79	2400	2400	2400	79	1200 GAT PUMP	30
80	2400	2400	2400	80	1200 GAT PUMP	30
81	2400	2400	2400	81	1200 GAT PUMP	30
82	2400	2400	2400	82	1200 GAT PUMP	30
83	2400	2400	2400	83	1200 GAT PUMP	30
84	2400	2400	2400	84	1200 GAT PUMP	30
85	2400	2400	2400	85	1200 GAT PUMP	30
86	2400	2400	2400	86	1200 GAT PUMP	30
87	2400	2400	2400	87	1200 GAT PUMP	30
88	2400	2400	2400	88	1200 GAT PUMP	30
89	2400	2400	2400	89	1200 GAT PUMP	30
90	2400	2400	2400	90	1200 GAT PUMP	30
91	2400	2400	2400	91	1200 GAT PUMP	30
92	2400	2400	2400	92	1200 GAT PUMP	30
93	2400	2400	2400	93	1200 GAT PUMP	30
94	2400	2400	2400	94	1200 GAT PUMP	30
95	2400	2400	2400	95	1200 GAT PUMP	30
96	2400	2400	2400	96	1200 GAT PUMP	30
97	2400	2400	2400	97	1200 GAT PUMP	30
98	2400	2400	2400	98	1200 GAT PUMP	30
99	2400	2400	2400	99	1200 GAT PUMP	30
100	2400	2400	2400	100	1200 GAT PUMP	30
TOTAL CONNECTED LOAD						34320
TOTAL CONNECTED LOAD						34320

NEW PANEL "RP2"

CIRCUIT	PHASE LOADS			CIRCUIT	DESCRIPTION	MVA
	A	B	C			
1	17784	18071	18571	1	17784 SPEC-TAN AREA RECEIPT	20
2	17784	18071	18571	2	17784 SPEC-TAN AREA RECEIPT	20
3	17784	18071	18571	3	17784 SPEC-TAN AREA RECEIPT	20
4	17784	18071	18571	4	17784 SPEC-TAN AREA RECEIPT	20
5	17784	18071	18571	5	17784 SPEC-TAN AREA RECEIPT	20
6	17784	18071	18571	6	17784 SPEC-TAN AREA RECEIPT	20
7	17784	18071	18571	7	17784 SPEC-TAN AREA RECEIPT	20
8	17784	18071	18571	8	17784 SPEC-TAN AREA RECEIPT	20
9	17784	18071	18571	9	17784 SPEC-TAN AREA RECEIPT	20
10	17784	18071	18571	10	17784 SPEC-TAN AREA RECEIPT	20
11	17784	18071	18571	11	17784 SPEC-TAN AREA RECEIPT	20
12	17784	18071	18571	12	17784 SPEC-TAN AREA RECEIPT	20
13	17784	18071	18571	13	17784 SPEC-TAN AREA RECEIPT	20
14	17784	18071	18571	14	17784 SPEC-TAN AREA RECEIPT	20
15	17784	18071	18571	15	17784 SPEC-TAN AREA RECEIPT	20
16	17784	18071	18571	16	17784 SPEC-TAN AREA RECEIPT	20
17	17784	18071	18571	17	17784 SPEC-TAN AREA RECEIPT	20
18	17784	18071	18571	18	17784 SPEC-TAN AREA RECEIPT	20
19	17784	18071	18571	19	17784 SPEC-TAN AREA RECEIPT	20
20	17784	18071	18571	20	17784 SPEC-TAN AREA RECEIPT	20
21	17784	18071	18571	21	17784 SPEC-TAN AREA RECEIPT	20
22	17784	18071	18571	22	17784 SPEC-TAN AREA RECEIPT	20
23	17784	18071	18571	23	17784 SPEC-TAN AREA RECEIPT	20
24	17784	18071	18571	24	17784 SPEC-TAN AREA RECEIPT	20
25	17784	18071	18571	25	17784 SPEC-TAN AREA RECEIPT	20
26	17784	18071	18571	26	17784 SPEC-TAN AREA RECEIPT	20
27	17784	18071	18571	27	17784 SPEC-TAN AREA RECEIPT	20
28	17784	18071	18571	28	17784 SPEC-TAN AREA RECEIPT	20
29	17784	18071	18571	29	17784 SPEC-TAN AREA RECEIPT	20
30	17784	18071	18571	30	17784 SPEC-TAN AREA RECEIPT	20
31	17784	18071	18571	31	17784 SPEC-TAN AREA RECEIPT	20
32	17784	18071	18571	32	17784 SPEC-TAN AREA RECEIPT	20
33	17784	18071	18571	33	17784 SPEC-TAN AREA RECEIPT	20
34	17784	18071	18571	34	17784 SPEC-TAN AREA RECEIPT	20
35	17784	18071	18571	35	17784 SPEC-TAN AREA RECEIPT	20
36	17784	18071	18571	36	17784 SPEC-TAN AREA RECEIPT	20
37	17784	18071	18571	37	17784 SPEC-TAN AREA RECEIPT	20
38	17784	18071	18571	38	17784 SPEC-TAN AREA RECEIPT	20
39	17784	18071	18571	39	17784 SPEC-TAN AREA RECEIPT	20
40	17784	18071	18571	40	17784 SPEC-TAN AREA RECEIPT	20
41	17784	18071	18571	41	17784 SPEC-TAN AREA RECEIPT	20
42	17784	18071	18571	42	17784 SPEC-TAN AREA RECEIPT	20
43	17784	18071	18571	43	17784 SPEC-TAN AREA RECEIPT	20
44	17784	18071	18571	44	17784 SPEC-TAN AREA RECEIPT	20
45	17784	18071	18571	45	17784 SPEC-TAN AREA RECEIPT	20
46	17784	18071	18571	46	17784 SPEC-TAN AREA RECEIPT	20
47	17784	18071	18571	47	17784 SPEC-TAN AREA RECEIPT	20
48	17784	18071	18571	48	17784 SPEC-TAN AREA RECEIPT	20
49	17784	18071	18571	49	17784 SPEC-TAN AREA RECEIPT	20
50	17784	18071	18571	50	17784 SPEC-TAN AREA RECEIPT	20
51	17784	18071	18571			