PANELBOARD SCHEDULE

DESIGNATION: 14LEQ1 | **VOLTS:** 480Y/277 V | **MAINS RATING:** 225 A
LOCATION: BOILER ROOM 520 | **PHASES:** 3 | **MAINS TYPE:** MCB
MOUNTING: SURFACE | **WIRES:** 4 | **MCB RATING:** 225 A
SUPPLY FROM: ATS-EQ2 | **AIC RATING:** | **MCB OPTIONS:**

A1

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	T-14XBP	XFMR	50 A	3	2.40	1.22					3	20 A	FCU-L6	GC110	2	
--	3	--	--	--	--			2.00	1.22			--	--	--	--	4	--
--	5	--	--	--	--					2.00	1.22	--	--	--	--	6	--
	7	B-1	MOTOR	20 A	3	2.77	0.00					1	20 A		SPARE	8	--
--	9	--	--	--	--			2.77	0.00			1	20 A		SPARE	10	--
--	11	--	--	--	--					2.77	0.00	1	20 A		SPARE	12	--
	13	B-2	MOTOR	20 A	3	2.77	0.00					1	20 A		SPARE	14	--
--	15	--	--	--	--			2.77	0.00			1	20 A		SPARE	16	--
--	17	--	--	--	--					2.77	0.00	1	20 A		SPARE	18	--
	19	HWP-1	MOTOR	125 A	3	26.60	0.00					1	20 A		SPARE	20	--
--	21	--	--	--	--			26.60	0.00			1	20 A		SPARE	22	--
--	23	--	--	--	--					26.60	0.00	1	20 A		SPARE	24	--
--	25	SPACE	--	--	--	0.00	0.00					1	20 A		SPARE	26	--
--	27	SPACE	--	--	--			0.00	0.00			1	20 A		SPARE	28	--
--	29	SPACE	--	--	--					0.00	0.00	1	20 A		SPARE	30	--
--	31	SPACE	--	--	--	0.00	0.00					1	20 A		SPARE	32	--
--	33	SPACE	--	--	--			0.00	0.00			1	20 A		SPARE	34	--
--	35	SPACE	--	--	--					0.00	0.00	1	20 A		SPARE	36	--
--	37	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	38	--
--	39	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	40	--
--	41	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	42	--
					TOTAL LOAD:	35.77 kVA		35.37 kVA		35.37 kVA							
					TOTAL AMPS:	129 A		128 A		128 A							

TOTAL CONNECTED LOAD: 106.50 kVA
TOTAL CONNECTED AMPS: 129 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 12LEQ1 | **VOLTS:** 208Y/120 V | **MAINS RATING:** 100 A
LOCATION: BOILER ROOM 520 | **PHASES:** 3 | **MAINS TYPE:** MCB
MOUNTING: SURFACE | **WIRES:** 4 | **MCB RATING:** 100 A
SUPPLY FROM: T-1LEQ1 | **AIC RATING:** | **MCB OPTIONS:**

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	TCP	MECH	20 A	1	1.20	0.00					1	20 A		SPARE	2	--
	3	TCP	MECH	20 A	1			1.20	0.00			1	20 A		SPARE	4	--
	5	CHILLER ISO VALVE	MECH	20 A	1					0.60	0.00	1	20 A		SPARE	6	--
	7	CHILLER ISO VALVE	MECH	20 A	1	0.60	0.00					1	20 A		SPARE	8	--
	9	CHILLER ISO VALVE	MECH	20 A	1			0.60	0.00			1	20 A		SPARE	10	--
	11	520 - BOILER ISO VALVE	B-1	20 A	1					0.60	0.00	1	20 A		SPARE	12	--
	13	520 - BOILER ISO VALVE	B-2	20 A	1	0.60	0.00					1	20 A		SPARE	14	--
	15	REMOTE FACP	RECEPT	20 A	1			0.20	0.00			1	20 A		SPARE	16	--
	17	GC110 DATA RACK	RECEPT	20 A	1					0.80	0.00	1	20 A		SPARE	18	--
--	19	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	20	--
--	21	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	22	--
--	23	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	24	--
--	25	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	26	--
--	27	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	28	--
--	29	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	30	--
--	31	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	32	--
--	33	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	34	--
--	35	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	36	--
--	37	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	38	--
--	39	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	40	--
--	41	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	42	--
					TOTAL LOAD:	2.40 kVA		2.00 kVA		2.00 kVA							
					TOTAL AMPS:	20 A		17 A		17 A							

TOTAL CONNECTED LOAD: 6.40 kVA
TOTAL CONNECTED AMPS: 20 A
NOTES:

SWITCHBOARD SCHEDULE

SWITCHBOARD: 14LMDP1 | **VOLTS:** 480Y/277 V | **MAINS RATING:** 3000 A
LOCATION: | **PHASES:** 3 | **MAINS TYPE:**
MOUNTING: FLOOR | **WIRES:** 4 | **MCB RATING:** 1 A
SUPPLY FROM: | **AIC RATING:** | **MCB OPTIONS:**

O	CKT NO.	CIRCUIT DESCRIPTION	P	FRAME SIZE	TRIP RATING	A	B	C	Load	REMARKS
	1	CHILLER CH-1	3	800 A	800 A	156.20	156.20	156.20	468.61	LSIG, 100% RATED MCB
	2	CHILLER CH-2	3	800 A	800 A	156.20	156.20	156.20	468.61	LSIG, 100% RATED MCB
	3	CHILLER CH-3	3	800 A	800 A	156.20	156.20	156.20	468.61	LSIG, 100% RATED MCB
--	4	SPACE	--	--	--	--	--	--	0.00	--
	5									
	6									
	7									
	8									
	9									
	10									
					Total Load:	468.61 kVA	468.61 kVA	468.61 kVA		
					Total Amps:	1692 A	1692 A	1692 A		
								Total Conn. Load:	1405.83 kVA	
								Total Amps:	1692 A	

Notes: 1. ALL CIRCUIT BREAKERS U.L. LISTED FOR SERVICE ENTRANCE.

SWITCHBOARD SCHEDULE

SWITCHBOARD: 14LMDP2 | **VOLTS:** 480Y/277 V | **MAINS RATING:** 1600 A
LOCATION: BOILER ROOM 520 | **PHASES:** 3 | **MAINS TYPE:**
MOUNTING: FLOOR | **WIRES:** 4 | **MCB RATING:** 1600 A
SUPPLY FROM: UTIL XFMR | **AIC RATING:** | **MCB OPTIONS:**

O	CKT NO.	CIRCUIT DESCRIPTION	P	FRAME SIZE	TRIP RATING	A	B	C	LOAD	REMARKS
	1	14L1	3	250 A	225 A	17.63	17.31	16.56	51.49	
	2	12L1 VIA XFMR T-1L1	3	100 A	50 A	3.48	4.38	3.59	11.45	PANELBOARD - XFMR
	3	PCWP-1	3	100 A	70 A	9.42	9.42	9.42	28.27	
	4	PCWP-2	3	100 A	70 A	9.42	9.42	9.42	28.27	
	5	PCWP-3	3	100 A	70 A	9.42	9.42	9.42	28.27	
	6	CHP-1	3	100 A	90 A	14.41	14.41	14.41	43.23	
	7	CHP-2	3	100 A	90 A	14.41	14.41	14.41	43.23	
	8	CHP-3	3	100 A	90 A	14.41	14.41	14.41	43.23	
	9	HWP-2	3	250 A	125 A	26.60	26.60	26.60	79.81	
	10	HWP-3	3	250 A	125 A	26.60	26.60	26.60	79.81	
	11	SWCP-1	3	250 A	125 A	26.60	26.60	26.60	79.81	
	12	SWCP-2	3	250 A	125 A	26.60	26.60	26.60	79.81	
	13	SWCP-3	3	250 A	125 A	26.60	26.60	26.60	79.81	
	14	ATS-EQ2 - 14LEQ1	3	250 A	225 A	35.77	35.37	35.37	106.50	ATS - PANELBOARD
--	15	SPACE	--	--	--	--	--	--	0.00	--
--	16	SPACE	--	--	--	--	--	--	0.00	--
--	17	SPACE	--	--	--	--	--	--	0.00	--
--	18	SPACE	--	--	--	--	--	--	0.00	--
--	19	SPACE	--	--	--	--	--	--	0.00	--
--	20	TVSS	3	--	60 A	--	--	--	0.00	
					Total Load:	261.39 kVA	261.57 kVA	260.03 kVA		
					Total Amps:	944 A	945 A	939 A		
								Total Conn. Load:	782.99 kVA	
								Total Amps:	945 A	

Notes: PROVIDE NEW SWITCHBOARD AND CIRCUIT BREAKERS COMPLETE.

PANELBOARD SCHEDULE

DESIGNATION: 14L1 | **VOLTS:** 480Y/277 V | **MAINS RATING:** 225 A
LOCATION: BOILER ROOM 520 | **PHASES:** 3 | **MAINS TYPE:** MLO
MOUNTING: SURFACE | **WIRES:** 4 | **MCB RATING:**
SUPPLY FROM: 14LMDP2 | **AIC RATING:** | **MCB OPTIONS:**

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	BOILER PLANT	LIGHTING	20 A	1	1.17	2.77					3	20 A	MOTOR	B-6	2	
	3	BOILER PLANT	LIGHTING	20 A	1			0.85	2.77			--	--	--	--	4	--
	5	BOILER PLANT BATT FIXT EXT...	LIGHTING	20 A	1					0.10	2.77	--	--	--	--	6	--
	7	B-3	MOTOR	20 A	3	2.77	1.22					3	20 A	FCU-L1	GC110	8	
--	9	--	--	--	--			2.77	1.22			--	--	--	--	10	--
--	11	--	--	--	--					2.77	1.22	--	--	--	--	12	--
	13	B-4	MOTOR	20 A	3	2.77	1.22					3	20 A	FCU-L2	GC110	14	
--	15	--	--	--	--			2.77	1.22			--	--	--	--	16	--
--	17	--	--	--	--					2.77	1.22	--	--	--	--	18	--
	19	B-5	MOTOR	20 A	3	2.77	0.50					3	20 A	FCU-L3	GC110	20	
--	21	--	--	--	--			2.77	0.50			--	--	--	--	22	--
--	23	--	--	--	--					2.77	0.50	--	--	--	--	24	--
	25	GC110	FCU-L4	20 A	3	1.22	1.22					3	20 A	FCU-L5	GC110	26	
--	27	--	--	--	--			1.22	1.22			--	--	--	--	28	--
--	29	--	--	--	--					1.22	1.22	--	--	--	--	30	--
--	31	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	32	--
--	33	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	34	--
--	35	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	36	--
--	37	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	38	--
--	39	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	40	--
--	41	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	42	--
					TOTAL LOAD:	17.63 kVA		17.31 kVA		16.56 kVA							
					TOTAL AMPS:	64 A		63 A		60 A							

TOTAL CONNECTED LOAD: 51.49 kVA
TOTAL CONNECTED AMPS: 64 A
NOTES:

PANELBOARD SCHEDULE

DESIGNATION: 12L1 | **VOLTS:** 208Y/120 V | **MAINS RATING:** 100 A
LOCATION: BOILER ROOM 520 | **PHASES:** 3 | **MAINS TYPE:** MCB
MOUNTING: SURFACE | **WIRES:** 4 | **MCB RATING:** 100 A
SUPPLY FROM: T-1L1 | **AIC RATING:** | **MCB OPTIONS:**

O	CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A		B		C		P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	O
	1	BOILER PLANT MECH YARD	RECEPT	20 A	1	0.54	0.60					1	20 A	B-3	520 - BOILER ISO VALVE	2	
	3	520	RECEPT	20 A	1			0.54	0.60			1	20 A	B-4	520 - BOILER ISO VALVE	4	
	5	520	RECEPT	20 A	1					0.72	0.60	1	20 A	B-5	520 - BOILER ISO VALVE	6	
	7	520	RECEPT	20 A	1	0.54	0.60					1	20 A	B-6	520 - BOILER ISO VALVE	8	
	9	520	RECEPT	20 A	1			0.54	1.50			1	20 A	WH-3	520	10	
	11	520	RECEPT	20 A	1					0.54	0.53	1	20 A	EF-L1	638	12	
	13	520	OH DOOR	20 A	3	1.20	0.00					1	20 A		SPARE	14	--
--	15	--	--	--	--			1.20	0.00			1	20 A		SPARE	16	--
--	17	--	--	--	--					1.20	0.00	1	20 A		SPARE	18	--
--	19	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	20	--
--	21	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	22	--
--	23	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	24	--
--	25	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	26	--
--	27	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	28	--
--	29	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	30	--
--	31	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	32	--
--	33	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	34	--
--	35	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	36	--
--	37	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	38	--
--	39	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	40	--
--	41	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	42	--
					TOTAL LOAD:	3.48 kVA		4.38 kVA		3.59 kVA							
					TOTAL AMPS:	29 A		37 A		30 A							

TOTAL CONNECTED LOAD: 11.45 kVA
TOTAL CONNECTED AMPS: 37 A
NOTES:

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Project No. 2018-050.LCH
Project Date 05.05.2020
Produced Designer Author

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#	Revision	Date
1	Addendum #1	05.14.2020

7300 E 56th St.
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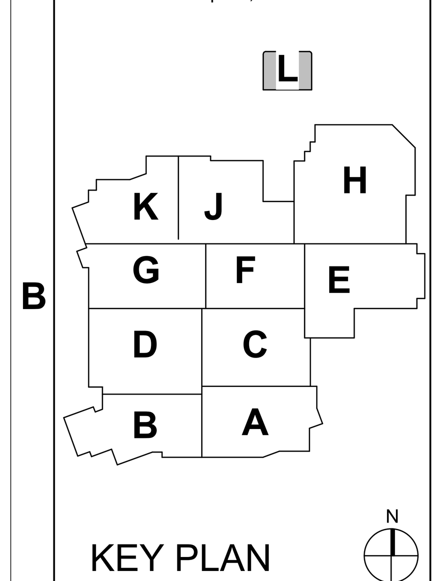

KEY PLAN

MSD OF LAWRENCE TOWNSHIP

ADDITIONS AND RENOVATIONS TO LAWRENCE CENTRAL HIGH SCHOOL

PANELBOARD SCHEDULES

E-612

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