

PANEL: 1 LPB				BUS AMPS 50		MCB 125/3 RATING		LOCATION RM 55MT 001	
SURFACE MOUNTED				277/480V, 5ø, 4W, 60Hz		KAIC 30			
CIR. NO.	DESCRIPTION	BREAKER		LOAD VA		WIRE		WIRE	
		AMP	ØL	ØL	ØL	ØL	ØL	ØL	ØL
3	BSMT LIGHTING	20	1	390	2-#12	2-#6.1-#60	15000	1	70
5	S-PARE	20	1		2-#12	2-#6.1-#100	42000	1	70
7	S-PARE	20	1		2-#12			1	20
9	S-PARE	20	1					1	20
11	S-PARE	20	1					1	20
13	SPACE					13950	3	60	TRANSFORMER T11
15	SPACE						10639		
17	SPACE						8697		
19	SPACE								SPACE
21	SPACE								SPACE
23	SPACE								SPACE
27									
29									
31									
33									
35									
37									
39									
41									
TOTAL				650 390				28950 22639 5697	TOTAL

CONNECTED LOAD	
TOTAL	61326 VA

PANELBO-LEC3 SURFACE MOUNTED						BUS AMPS 250 277/480V, 3ø, 4W, 60Hz		MGB-225/3 RATING KAIC 30		LOCATION RM 328			
CIR NO	DESCRIPTION	BREAKER		LOAD VA		WIRE	WIRE	LOAD VA		BREAKER	CIR NO		
		2P	3ø	2P	3ø			2P	3ø			DESCRIPTION	
1	RM 305	20	1	1020		2-#12	2-#12	1020		1	20	RM 305	
3	RM 307	20	1	1020		2-#12	2-#12	1020		1	20	RM 308	
5	RM 304	20	1		1020	2-#12	2-#12		1020	1	20	RM 310	
7	RM 303	20	1	720		2-#12	2-#12	576		1	20	RMS 302A,B, 304A,B	
8	RM 323	20	1	720		2-#12	2-#12	576		1	20	RMS 323,324,325	
11	CORRIDOR	20	1		1728	2-#12				1	20	SPARE	
13	SPARE	20	1	3						1	20	SPARE	
15	SPARE	20	1							1	20	SPARE	
17	SPACE											SPACE	
19	SPACE											SPACE	
21	SPACE											SPACE	
23	SPACE											SPACE	
25	SPACE							11922		3	70	TRANSFORMER T2	
27	SPACE							9580					
29	SPACE								9533				
31													
33													
35													
37													
39													
41													
TOTAL				1740	1740	2748				13516	11288	10558	TOTAL

CONNECTED LOAD	
TOTAL	41587 VA

PANEL NO. LW2					BUS AMPS 30		MCB 225/3 RATING				LOCATION RM 217				
SURFACE MOUNTED					277/480V, 3ø, 4W, 60Hz		KMO 30								
CIR. NO.	DESCRIPTION	BREAKER			LOAD VA	WIRE	WIRE			LOAD VA	BREAKER			DESCRIPTION	CIR. NO.
		2ØI 2"	ØA	ØB			ØC	ØA	ØB		ØC	ØI 1"	ØA		
RM 202		20	1	720		2-#12		2-#12	256		1	20	RM5 201,201A,201B	2	
3	RM 216	20	1		1020	2-#12		2-#12		1020	1	20	RM 215	3	
5	RM 214	20	1		1020	2-#12		2-#12		1020	1	20	RM 213	5	
7	RM 212	20	1	1020		2-#12		2-#12		1020	1	20	RM 211	7	
9	RMS 219,220,225R,D,F,H	20	1	864		2-#12		2-#12		1760	1	20	CORRIDOR	8	
11	SPARE	20	1								1	20	SPARE	11	
13	SPARE	20	1								1	20	SPARE	13	
15	SPACE	20	1										SPACE	15	
17	SPACE												SPACE	17	
19	SPACE												SPACE	19	
21	SPACE												SPACE	21	
23	SPACE												SPACE	23	
25	SPACE								10108				SPACE	25	
27	SPACE								9956		3	70	TRANSFORMER T7	27	
29	SPACE										8348			29	
30														30	
33														33	
35														35	
37														37	
39														39	
41														41	
TOTAL				1740	1864	1020			11384	11736	9365			TOTAL	

CONNECTED LOAD	
TOTAL	37132 VA

PANELBO L3 SURFACE MOUNTED					BUS AMPS 30 277/480V, 3ø, 4W, 60Hz		MCB 100/3 RATING KAIC 30		LOCATION: RM 114				
CIR NO.	DESCRIPTION	BREAKER	LOAD VA			WIRE	WIRE	LOAD VA			BREAKER	CIR NO.	
			BA	BB	BC			BA	BB	BC			
1	S.E. ENTRY LTS.	20 1	768			2-#10	2-#8	1785	1530		20 1	EAST WALL LIGHTING	2
3	N.W. 1FL LIGHTING	20 1		960		2-#8	2-#8				20 1	WEST WALL LIGHTING	3
5	S.E. 1FL LIGHTING	20 1		960		2-#8	2-#8		900		20 1	PLAY AREA LIGHTING	6
7	SPARE	20 1									20 1	SPARE	7
8	SPARE	20 1									20 1	SPARE	10
11	SPARE	20 1									20 1	SPARE	12
13	SPARE	20 1									20 1	SPARE	14
15	SPARE	20 1									20 1	SPARE	16
17	SPARE	20 1									20 1	SPARE	18
21													20
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
TOTAL			768	960	960			1785	1530	900			TOTAL

CONNECTED LOAD	
TOTAL	6903 VA

PANELBOARD LE1					BUS AMPS 30		MCB 225/3 RATING		LOCATION RM 115					
SURFACE MOUNTED					277/480V, 3ø, 4W, 60Hz		KIND 30							
CIR. NO.	DESCRIPTION	BREAKER	LOAD VA			WIRE	WIRE	LOAD VA			BREAKER	DESCRIPTION	CIR. NO.	
			2Ø P	3Ø	BE			RC	2Ø	3Ø				BE
2	TOILET RMS, 121, 122	20 1	1152			2-#12	2-#12	932			1	20	CORRIDOR	2
3	CORRIDOR	20 1		804		2-#12	2-#12		1440		1	20	RM 119	3
5	CAFETERIA (RM 102)	20 1			3712	2-#12	2-#12			1440	1	20	RM 118	5
7	RM 116	20 1	1440			2-#12	2-#12	896			1	20	STAGE	7
8	SPARE	20 1									1	20	SPARE	8
11	SPARE	20 1									1	20	SPARE	11
13	SPACE												SPACE	12
15	SPACE												SPACE	16
17	SPACE												SPACE	18
19	SPACE												SPACE	20
21	SPACE												SPACE	22
23	SPACE												SPACE	24
25	EDM-1	20 3	1866			3-#12		11840			3	70	TRANSFORMER T1	25
27				1666					11466					28
29					1666					7403				30
33														32
35														34
37														36
39														38
41														40
TOTAL			4258	2470	5378			13577	12908	8903				TOTAL

CONNECTED LOAD	
TOTAL	47494 VA

PANELBOARD		LE4 SURFACE MOUNTED		BUS AMPS 277/480V. 3P 4W. 60HZ		MCB 225/3 RATING KAIC 3D		LOCATION RM 413					
CIR	BREAKER	LOAD VA		WIRE		WIRE		LOAD VA		BREAKER	DESCRIPTION	CIR	
	2P 1P	3A	1BE	3PC		2-#12	1320	3A	1BE	3PC	1P	RM	
1	RM 404	20	1	1080		2-#12					1	20	RM 405
3	RM 403	20	1	2760		2-#12			896		1	20	RMS 403A,B,C
5	CORRIDOR	20	1		996	2-#12				1152	1	20	RMS 403D,E, 406
7	RM 402	20	1	360		2-#12					1	20	SPARE
9	AREA X43	20	1	1760		2-#12					1	20	SPARE
11	AREA X42	20	1	400		2-#12					1	20	SPARE
13	SPACE												SPACE
15	SPACE												SPACE
17	SPACE												SPACE
19	SPACE												SPACE
21	SPACE												SPACE
23	SPACE												SPACE
25	SPACE							7927			1	70	TRANSFORMER T8
27	SPACE								8066				
29	SPACE									8845			
31													
33													
35													
37													
39													
41													
TOTAL		1440	4520	1396				3247	9982	9997			TOTAL

CONNECTED LOAD	
TOTAL	36583 VA

PANEL 1					LW3		BUS AMPS		MCB 225/3 RATING				LOCATION RM 317			
SURFACE MOUNTED							277/480V.		5e, 4w, 60Hz				KACB 3D			
CIR NO	DESCRIPTION	BREAKER			LOAD VA		WIRE	WIRE	LOAD VA			BREAKER		DESCRIPTION	CIR	
		250	1	720	BA	RE			RC	250	1	720	BA			RE
2	RM 301	20	1				2-#12	2-#12	192			1	20	RMS 301A,302	2	
3	RM 316	20	1		1020		2-#12	2-#12		1020		1	20	RM 315	2	
5	RM 314	20	1			1020	2-#12	2-#12			1020	1	20	RM 313	6	
7	RM 312	20	1		1020		2-#12	2-#12	1020			1	20	RM 311	8	
9	RMS 318, 319, 321	20	1		544		2-#12	2-#12		720		1	20	RM 320	10	
11	CORRIDOR	20	1			1920	2-#12	2-#12			2560	1	20	GYW	12	
13	SPARE	20	1					2-#12	2560			1	20	GYW	14	
15	SPARE	20	1									1	20	SPARE	16	
17	SPARE	20	1									1	20	SPARE	18	
19	SPACE												20	SPACE	20	
21	SPACE												22	SPACE	22	
23	SPACE												24	SPACE	24	
25	SPACE								9978			3	70	TRANSFORMER T4	26	
27	SPACE									8588					28	
29	SPACE										10264				30	
31															32	
33															34	
35															36	
37															38	
39															40	
41															42	
TOTAL					1740	1564	2940				13750	10328	13840		TOTAL	

CONNECTED LOAD	
TOTAL	44171 VA

PANELBOARD PHA SURFAIDE MOUNTED				BUS AMPS 277/480V, 3Ø		MCB 4W, 60Hz		RATING KVA 3Ø		LOCATION RM 001			
DIR NO	DESCRIPTION	BREAKER AMP	P BA	LOAD BR	VA RC	WIRE	WIRE	BA	BR	RC	BREAKER AMP	DESCRIPTION	DIR NO
2	SPARE	20	3				3-#10	5000			3	CHW-HW-P-1	2
3								5000					3
5									9000				5
7	SPARE	30	3				3-#10	5000			3	40W-HW-P-2	7
9								5000					9
11									5000				11
13	CHW-HW-P-3	20	3	2500		3-#12	3-#12	2500			3	20	CHW-HW-P-4
15				2500				2500					15
17					2500				2500				17
19	SF-B1	20	3	333		3-#12	3-#12	333			3	20	EF-B1
21				333				333					21
23					333				333				23
25	DBS-1 (2-7.5 HP)	30	3	5000		3-#10	3-#10	5000			3	30	NBS-1 (2-7.5 HP)
27				5000				5000					27
29					5000				5000				29
31	SPARE	30	3								3	40	SPARE
33													33
35													35
37	SPARE	20	3								3	20	SPARE
39													39
41													41
TOTAL				7833	7833	7833		17833	17833	17833			TOTAL

CONNECTED LOAD	
TOTAL	76998 VA

PANELBOARD LE2 SURFACE MOUNTED					BUS AMPS 277/480V, 3ø, 4W, 60Hz		MCB 225/3 RATING KAIC 30		LOCATION RM 224	
CIR NO.	BREAKER	LOAD VA		WIRE	WIRE	LOAD VA		BREAKER	DESCRIPTION	CIR NO.
		BA	BB			BA	BB			
1 RM 206	20 1	1020		2-#12	2-#12	1020		1 20	RM 206	2
3 RM 207	20 1	1020		2-#12	2-#12	1020		1 20	RM 208	3
5 RM 209	20 1		1020	2-#12	2-#12		1020	1 20	RM 210	6
7 RM 204	20 1	192		2-#12	2-#12	720		1 20	RM 203	8
9 RMS223,225A,E,G,221,222	20 1		928	2-#12	2-#12		1892	1 20	CORRIDOR	10
11 SPARE	20 1							1 20	SPARE	12
13 SPARE	20 1							1 20	SPARE	14
15 SPARE	20 1							1 20	SPARE	16
17 SPARE	20 1							1 20	SPARE	18
19 SPACE									SPACE	20
21 SPACE									SPACE	22
23 SPACE									SPACE	24
25 EDM-2	20 3	3333		3-#12		11334		3 70	TRANSFORMER T5	26
27		3333				9808				28
29			3333				6610			30
31										32
33										34
35										36
37										38
39										40
41										42
TOTAL		4545	5281	4353		13074	12520	7630		TOTAL

CONNECTED LOAD	
TOTAL	47403 VA

PANELBO. LW1 SURFACE MOUNTED					BUS AMPS 250 277/480V, 3ø, 4W, 60Hz		MCB 225/3 RATING KAIC 30		LOCATION RM 114	
CIR NO.	DESCRIPTION	BREAKER 200P 10	LOAD VA ØA ØB ØC	WIRE	WIRE	LOAD VA ØA ØB ØC	BREAKER ØA ØB ØC	DESCRIPTION	CIR NO.	
1	RMS 101A,B,11C,D,E,F,G	20	1 992	1 20	2-#12			FOOD SVC & TOILET RMS	2	
3	CORRIDOR	20	1 1960	2-#12	2-#12	384	1 20	ENT CORRIDOR	3	
5	SPARE	20	1	X	2-#12		2640	RM 109	6	
7	TOILET RMS	20	1 384	2-#12	2-#12	1440		RM 113	8	
9	RM 111	20	1 1440	2-#12			1 20	SPARE	10	
11	SPARE	20	1				1 20	SPARE	12	
13	SPACE							SPACE	14	
15	SPACE							SPACE	16	
17	SPACE							SPACE	18	
19	SPACE							SPACE	20	
21	SPACE							SPACE	22	
23	SPACE							SPACE	24	
25	SPACE					15271	3 70	TRANSFORMER T3	25	
27	SPACE						11791		28	
29	SPACE						1050R		30	
31									32	
33									34	
35									36	
37									38	
39									40	
41									42	
TOTAL		1376	3400	0		17710	12175	13146	TOTAL	

CONNECTED LOAD	
TOTAL	47816 VA

PANEL NO. LW4 SURFACE MOUNTED					BUS AMPS 30 277/480V, 3ø, 4W, 60Hz		MCB 225/3 RATING KAIC 30		LOCATION RM 412		
CIR	DESCRIPTION	BREAKER	LOAD VA		WIRE	WIRE	LOAD VA		BREAKER	DESCRIPTION	CIR
		200 12	BA	RB	RC	2-#12	BA	RB	RC	1200	
1	RM 401	20	1	1380		2-#12	1320		1	20	RM 410
3	RM 409	20	1	1320		2-#12		1440	1	20	RM 408
5	CORRIDOR	20	1		1932	2-#12			384	1	20
7	WALL PAKS X44	20	1	1200		2-#12				1	20
8	AREA X41	20	1	400		2-#12				1	20
11	SPARE	20	1							1	20
13	SPACE										SPACE
15	SPACE										SPACE
17	SPACE										SPACE
19	SPACE										SPACE
21	SPACE										SPACE
23	SPACE										SPACE
25	SPACE						7303		3	70	TRANSFORMER TB
27	SPACE							4773			
29	SPACE							5271			
31											
33											
35											
37											
39											
41											
TOTAL			2580	1720	1932		8623	6213	5855		TOTAL

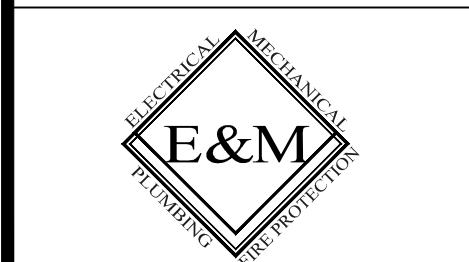
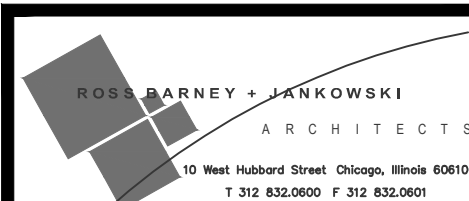
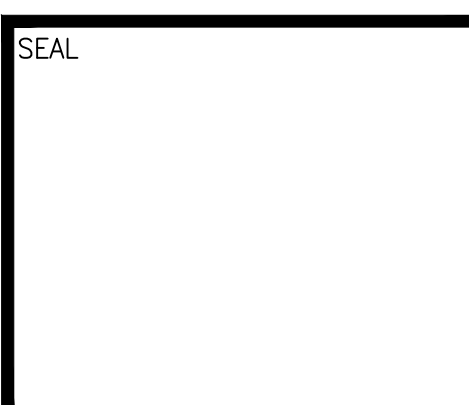
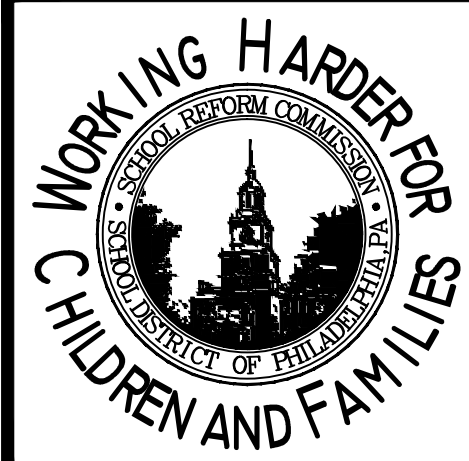
CONNECTED LOAD	
TOTAL	26723 VA

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CONNECTED LOAD	
TOTAL	39996 VA

PANEL/DIO HT				BUS AMPS 30		MCR		RATING		LOCATION RM 411			
SURFACE MOUNTED				227/480V, 3ø, 4W, 60Hz		KAIC 30							
GR. NO.	DESCRIPTION	BREAKER		LOAD VA		WIRE	WIRE	LOAD VA		BREAKER		DESCRIPTION	GR. NO.
		AMP	IP	EA	EB			IP	KAIC	EA	EB		
1	HEAT TRACE CIRCUIT	30	1	2500		2-#10						SPARE	2
3	HEAT TRACE CIRCUIT	30	1		4250	2-#10				1	30	SPARE	4
5	HEAT TRACE CIRCUIT	30	1		8180	2-#10				1	30	SPARE	6
7	SPACE											SPACE	8
8	SPACE											SPACE	10
11	SPACE											SPACE	12
TOTAL				2500	4250	8180							TOTAL

CONNECTED LOAD	
TOTAL	15730 VA



SCHOOL & LOCATION	Commodore John Barry Elementary School 5900 Race Street, Philadelphia PA 19139
PROJECT TITLE	NEW CONSTRUCTION
DRAWING TITLE	PANEL SCHEDULES
APPROVED BY	

**SCHOOL DISTRICT OF PHILADELPHIA
THE SCHOOL REFORM COMMISSION**

DEPARTMENT OF DESIGN AND CONSTRUCTION SERVICES

440 N. BROAD STREET
PHILADELPHIA, PA 19106
215-490-4730 / FAX (215) 490-4731

CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT SITE

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NO.	DATE
REVISION	

SPEC NO. B-840C of 2005/06	DATE 12/29/06 —
SCALE 1/8"=1'-0"	LOCATION NO. 120
DRAWN BY CDM	TYPE NO. —
CHECKED BY XXX	FILE NO. 00 —

DRAWING NO.

E500