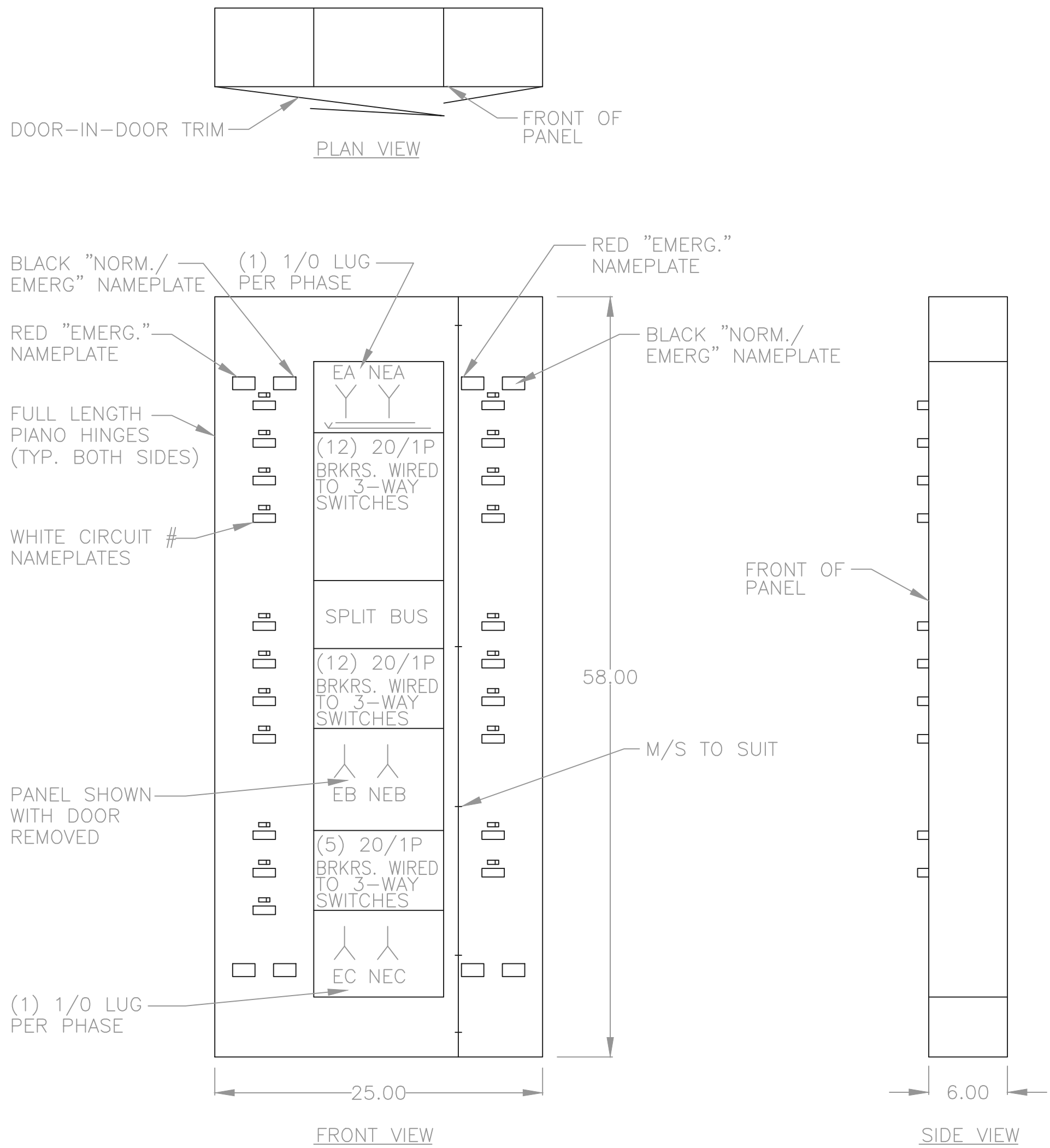


PANELBOARD "EMERG-EA"										100A MAIN C/B		10 KAIC	
277/480V, 3ø, 4W, 60Hz										100A BUS		SURFACE MOUNTED	
CIR. NO.	BRKR. SIZE	EMERG. NORMAL BUS (NEA) DESCRIPTION	LOAD VA	WIRE	WIRE	LOAD VA	NORMAL BUS (EA) DESCRIPTION	BRKR. SIZE	CIR. NO.				
1	20	CAFETORIUM & STAGE (102)	1216	#10	#10	704	CLERICAL, TOILET ROOMS, MISC	20	1				
3	20	FOOD SERVICE RMS	384	#10	#10	1600	GYM	20	1				
5	20	LIBRARY (403)	720	#10	#10	384	SERVER RM (403B)	20	1				
7	20	BASEMENT	715	#10	#10	455	001, 002, 003	20	1				
9	20	ELEC. GEN. F/P	585	#10	#10	155	OUTDOOR AREA	20	1				
11	20	SPARE					SPARE	20	1				
13	20	1 FL CORRIDORS	780	#10	#10	128	1FL ENTRY	20	1				
15	20	2FL CORRIDORS	1104	#10	#10	264	1FL OUTSIDE	20	1				
17	20	3FL CORRIDORS	1040	#10	#10	576	2FL TOILET RMS, MISC	20	1				
19	20	4FL CORRIDORS	620	#10	#10	256	3FL IDF RM, MISC	20	1				
21	20	SOUTH ENT LIGHTS	96	#10	#10	128	4FL MISC	20	1				
23	20	SPARE					SPARE	20	1				
25	20	STAIR #1	1152	#10	#10	512	STAIR #2	20	1				
27	20	STAIR #3	512	#10			SPARE	20	1				
29	20	EXIT LTS 1FL	65	#10	#10	65	EXIT LTS 2FL	20	1				
31	20	EXIT LTS 3FL	35	#10	#10	50	EXIT LTS 4FL	20	1				
33	20	EXIT LTS BSMT	35	#10			SPARE	20	1				
35	20	SPARE					SPARE	20	1				
37	20	SPARE					SPARE	20	1				
39	20	SPARE					SPARE	20	1				
41	20	SPARE					SPARE	20	1				
43	20	SPARE					SPARE	20	1				
TOTAL			9059			5277		TOTAL					

CONNECTED LOAD	
TOTAL	14336 VA

3 WAY SWITCH
HUBBEL CAT No. 3033A

MOLDED CASE CIRCUIT
BREAKER SIEMENS
CAT No. 8120



NORMAL-EMERGENCY LIGHTING PANEL
ENCLOSURE DESIGN (TYPICAL)
SCALE: N.T.S.

NOTES:

- REFER TO PANELBOARD SCHEDULES FOR QUANTITY OF SWITCH AND CIRCUIT BREAKERS.
- PANEL TRIM LOCK CORBIN
- REFER TO SCHOOL DISTRICT OF PHILADELPHIA PANELBOARD FRONT STANDARD DETAIL SK-1.

PANELBOARD EDI										BUS AMPS 600		MCB 600/3 RATING		LOCATION BSMT	
SURFACE MOUNTED										277/480V, 3ø, 4W, 60Hz		KAIC 14			
CIR. NO.	DESCRIPTION	BREAKER	LOAD VA	WIRE	WIRE	LOAD VA	BREAKER	LOAD VA	WIRE	WIRE	LOAD VA	BREAKER	LOAD VA	WIRE	CIR. NO.
1	ATS #2	100	3	21329	21329	3	200	ATS #3	2						2
3	ELEVATOR							PPA	4						4
5									6						6
7	PANEL HT	100	3	4238	4238	3	250	ATS #1	8						8
9	ALTERNATE No 5							PANEL EA & XFMR T10	10						10
11									12						12
13	SPACE							3	400	SPARE					14
15	SPACE														16
17	SPACE														18
19	SPACE														20
21	SPACE														22
23	SPACE														24
TOTAL			23567	25567	26620			60689	58916	59353					TOTAL

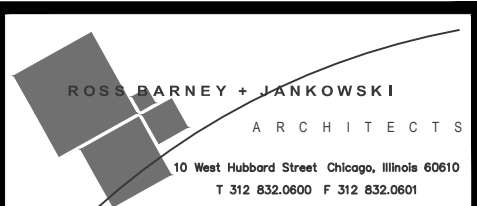
CONNECTED LOAD	
TOTAL	256712 VA

PANELBOARD PRE										BUS AMPS 225		MCB 150/3 RATING		LOCATION BSMT	
SURFACE MOUNTED										120/208V, 3ø, 4W, 60Hz		KAIC 22			
CIR. NO.	DESCRIPTION	BREAKER	LOAD VA	WIRE	WIRE	LOAD VA	BREAKER	LOAD VA	WIRE	WIRE	LOAD VA	BREAKER	LOAD VA	WIRE	CIR. NO.
1	MFR 003 RECEIPT	20	1	1080	2-#12	2-#10	1080	1	20	IDF 223 RECEIPT	2				2
3	MFR 003 RECEIPT	20	1		2-#12	2-#10		780	1	20	IDF 223 RECEIPT	4			4
5	IDF 117 RECEIPT	20	1		2-#10	2-#10			1	20	IDF 325 RECEIPT	6			6
7	IDF 117 RECEIPT	20	1	720	2-#10	2-#10	720	1	20	IDF 325 RECEIPT	8				8
9	IDF 403E RECEIPT	20	1	1080	2-#10	2-#10	720	1	20	IDF 403E	10				10
11	IDF 403E RECEIPT	20	1		2-#10	2-#12	1656	1	20	HWB1	12				12
13	ROOM 001 RECEIPT	20	1	360	2-#12	2-#12	1656	1	20	HWB2	14				14
15	BOILER RM CONT	20	1		2-#12	2-#12	280	1	20	ELEV PIT	16				16
17	CARBON MONOXIDE MON	20	1		2-#12	2-#12		300	1	20	ELEV LG	18			18
19	MAGNET DOOR	20	1	200	2-#10	2-#12		2	20	FCU B-1	20				20
21	MAGNET DOOR	20	1	200	2-#10										22
23	FIRE ALARM SYS.	20	2		2-#10	2-#12		360	1	20	CCTV MONITORING SYS.	24			24
25				100		2-#12				1	20	CONTROL STA.	26		26
27	EF-B4	20	1	260	2-#12					1	20	SPARE	28		28
29	SPARE	20	1							1	20	SPARE	30		30
31	SPARE	20	1			2-#12		1071		2	20	WALK IN FREEZER	32		32
33	WALK IN REF. BLOWER	20	1		315	2-#12		1071		3	20	WALK IN FREEZER LT	34		34
35	WALK IN REF. LG	20	1		315	2-#12		1152		3	20	WALK IN FREEZER	36		36
37	WALK IN REF.	20	3	384	3-#12	3-#12		1152		1152					38
39															40
41															42
TOTAL			2844	3059	3059			6039	4003	8048					TOTAL

CONNECTED LOAD	
TOTAL	69831 VA



SEAL



SCHOOL & LOCATION
Commodore John Barry Elementary School
590 Race Street, Philadelphia PA 19139

PROJECT TITLE
NEW CONSTRUCTION

DRAWING TITLE
WIRING DIAGRAM & SCHEDULE

APPROVED BY

SCHOOL DISTRICT OF PHILADELPHIA
THE SCHOOL REFORM COMMISSION

DEPARTMENT OF DESIGN AND CONSTRUCTION SERVICES
440 N. BROAD STREET
PHILADELPHIA PA 19130
(215) 686-8750 FAX (215) 686-4751

CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT SITE

NO.	DATE	REVISION
1		
2		
3		
4		
5		
6		
7		
8		

SPEC. NO. B-840C of 2005/06
SCALE 1/8"=1'-0"
DRAWN BY CDM
CHECKED BY XXX

DATE 12/29/06
LOCATION NO. 120
TYPE NO. -
FILE NO. 00

DRAWING NO.

E301