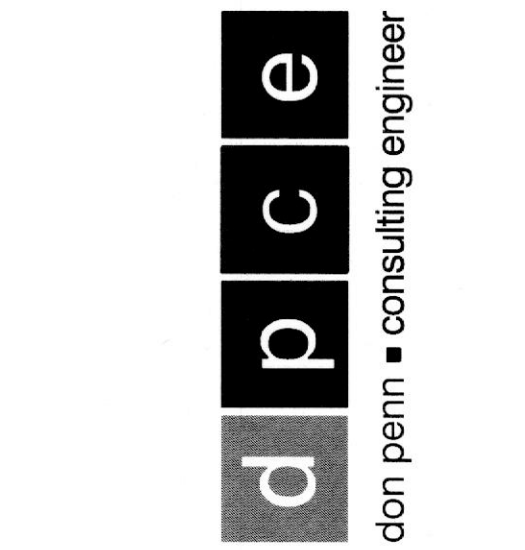




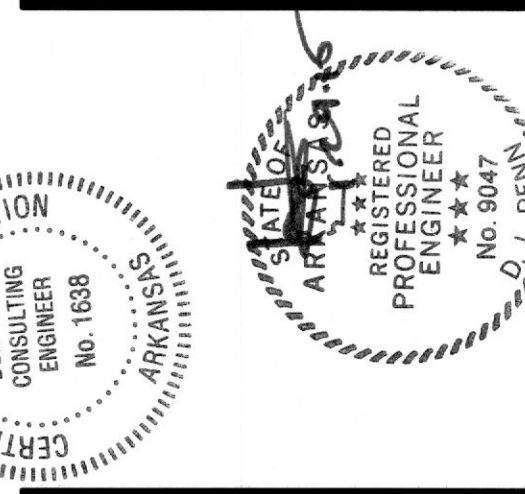
711 N. FIELDER RD.
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 PH: (817) 635-5696
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LifeLine Project Manager
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 1218 Old Pyleville Road, Whiteford, MD 21160
 Office 410-452-8006 Fax 410-452-8046

ACCESS CENTER
 LIFELINE
 11771 Maumelle Blvd
 North Little Rock, AR 72113

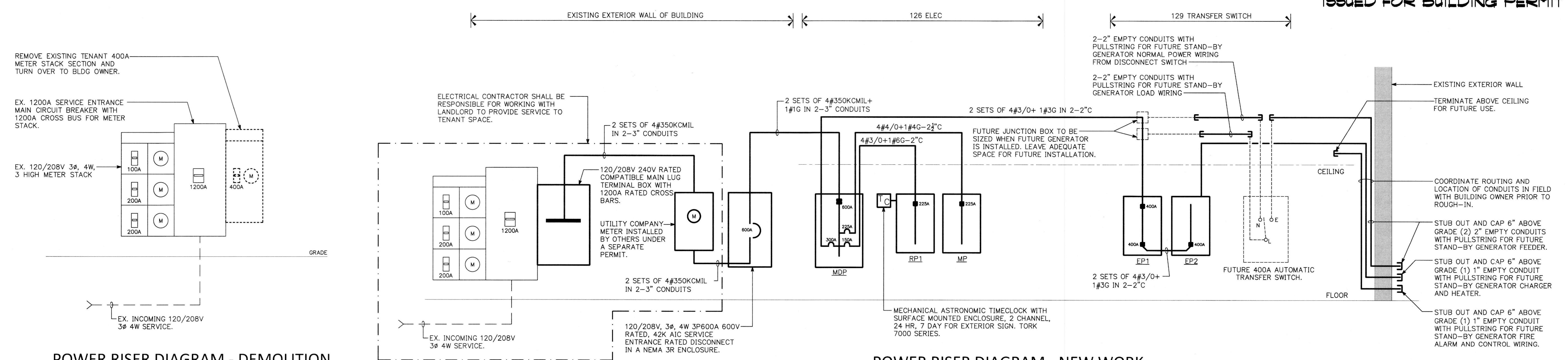


REVISIONS
 A - ISSUE DATE
 B - ISSUE DATE
 C - ISSUE DATE
 D - ISSUE DATE
 E - ISSUE DATE
 F - ISSUE DATE

POWER RISER DIAGRAM & SCHEDULES

SHEET NUMBER

E4



POWER RISER DIAGRAM - DEMOLITION

NO SCALE
 ALL WORK SHOWN LIGHT IS EXISTING. ALL WORK SHOWN DASHED IS DEMOLITION.

POWER RISER DIAGRAM - NEW WORK

NO SCALE
 NOTE: EXISTING WORK IS SHOWN LIGHT, NEW IS SHOWN DARK (BOLD) AND FUTURE WORK IS SHOWN LIGHT AND DASHED.

COMcheck Software Version 3.9.3
Interior Lighting Compliance Certificate

2009 IECC

Section 1: Project Information
 Project Title: Lifeline Access Center
 Construction Site: 11771 Maumelle Blvd, North Little Rock, AR 72113

Section 2: Interior Lighting and Power Calculation

Area Category	Floor Area (sq ft)	Allowed Watts (ft ²)	Actual Watts (ft ²)	Notes
Healthcare Clinic	5000	5000	5000	

Section 3: Interior Lighting Fixture Schedule

Fixture ID	Description / Lamp / Wattage Per Lamp / Ballast	A	B	C	D	E
Healthcare Clinic (5000 sq ft)	Linear Fluorescent 1 A, 48" T8 32W, Premium efficiency	2	45	56	2500	
	Linear Fluorescent 1 C, 48" T8 32W, Premium efficiency	4	18	110	Exempt	
	Linear Fluorescent 2 A, 48" T8 32W, Premium efficiency	2	14	56	754	
	Linear Fluorescent 2 C, 48" T8 32W, Premium efficiency	1	3	28	84	
	Linear Fluorescent 3 C, 36" T8 25W, Premium efficiency	1	2	25	50	

Section 4: Requirements Checklist

Interior Lighting Passes

Lighting Wattage:

- 1. Total proposed watts must be less than or equal to total allowed watts.

Controls, Switching, and Wiring:

- 2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.
- 3. Daylight zones have individual lighting controls independent from that of the general area lighting.

Section 5: Compliance Statement

Compliance Statement: The proposed lighting alteration project represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting alteration project has been designed to meet the 2009 IECC, Chapter 6, requirements in COMcheck version 3.9.3 and to comply with the regulatory requirements in the Requirements Checklist.

PANEL EP1

208 / 120 VOLTS 3 PHASE 4 WIRE
 400 AMP MAIN LUGS ONLY
 A.I.C. = 42,000

PROVIDE FULL SIZE FEED THRU LUGS

CKT No.	DESCRIPTION	KVA	C/B POLE AMP	CKT No.	A	B	C	CKT No.	C/B POLE AMP	KVA	DESCRIPTION	CKT No.	
1	PROCEDURE RM 1 LIGHTING	1.2	1 20 3	1	2	2	2	0.8	1 20 3	0.8	POWER ASSISTED DOOR	2	
3	PROCEDURE RM 1 OH LT	1.2	1 20 3	4	1	20	0.8	1	20	0.8	POWER ASSISTED DOOR	4	
5	PROCEDURE RM 2 LIGHTING	1.2	1 20 3	6	1	20	0.2	1	20	0.2	PROCEDURE RM # 1 RECEIPT	6	
7	PROCEDURE RM 2 OH LT	1.2	1 20 3	8	1	20	0.4	1	20	0.4	PROCEDURE RM # 1 RECEIPT	8	
9	TECH/SUPPLY LIGHTING	1.4	1 20 9	10	1	20	1.2	1	20	1.2	PROCEDURE RM # 1 RECEIPT	10	
11	RECOVERY / NURSE LIGHTS	1.0	1 20 11	12	1	20	1.0	1	20	1.0	PROCEDURE RM # 1 RECEIPT	12	
13	OXYGEN CABINET	0.2	1 20 13	14	1	20	1.2	1	20	1.2	PROCEDURE RM # 2 RECEIPT	14	
15	CRASH CART	0.8	1 20 15	16	1	20	1.2	1	20	1.2	PROCEDURE RM # 2 RECEIPT	16	
17	TECH CONTROL RECEP	0.4	1 20 17	18	1	20	0.2	1	20	0.2	PROCEDURE RM # 2 RECEIPT	18	
19	TECH CONTROL RECEP	0.4	1 20 19	20	1	20	0.4	1	20	0.4	PROCEDURE RM # 2 RECEIPT	20	
21	AUTOCLAVE	2.0	2 20 21	22	1	20	1.0	1	20	1.0	ANESTHESIA RECEIPT	22	
23		2.3	2 20 23	24	1	20	0.6	1	20	0.6	ANESTHESIA REFRIG	24	
25	CLEAN WORK RECEP	0.4	1 20 25	26	1	20	0.6	1	20	0.6	ANESTHESIA RECEP	26	
27	NURSE WORK RECEP	0.4	1 20 27	28	1	20	1.2	1	20	1.2	BLANKET WARMER	28	
29	REFRIGERATOR	0.6	1 20 29	30	1	20	0.2	1	20	0.2	OXYGEN MASTER PANEL	30	
31	NURSE WORK RECEP	0.6	1 20 31	32	1	15	0.3	1	15	0.3	F-3 (1 FAN)	32	
33	PREP HOLDING RECEP	1.2	1 20 33	34	1	20	0.2	1	20	0.2	TELE/COMP RECEP	34	
35	PREP HOLDING RECEP	1.0	1 20 35	36	1	20	0.2	1	20	0.2	TELE/COMP RECEP	36	
37	PREP HOLDING RECEP	1.0	1 20 37	38	1	20	0.2	1	20	0.2	TELE/COMP RECEP	38	
39	NURISHMENT REFRIG	0.2	1 20 39	40	1	20	0.2	1	20	0.2	TELE/COMP RECEP	40	
41	NURISHMENT REFRIG	0.6	1 20 41	42	1	20	0.4	1	20	0.4	TELE/COMP RECEP	42	
TOTALS		16.6	KVA							12.5	KVA		

CONNECTED LOADS

PANEL EP1	29.1	/	81
SUB PANEL EP2 TOTAL	49.8	/	138
TOTALS	78.9	/	219
	KVA		AMPS

NOTES:
 GF = PROVIDE GFCI BREAKER

PANEL RP1

208 / 120 VOLTS 3 PHASE 4 WIRE
 225 AMP MAIN LUGS ONLY
 A.I.C. = 42,000

CKT No.	DESCRIPTION	KVA	C/B POLE AMP	CKT No.	A	B	C	CKT No.	C/B POLE AMP	KVA	DESCRIPTION	CKT No.	
3	CONF / OFFICE / WAITING LIGHTS	1.6	1 20 1	2	1	20	0.8	1	20	0.8	ROOF EQUIP MAINT RECEP	2	
5	CONFERENCE ROOM REFRIG	0.8	1 20 5	6	1	20	1.0	1	20	1.0	STAFF RECEP	6	
7	CONFERENCE ROOM MW	1.0	1 20 7	8	1	20	1.0	1	20	1.0	COPIER	8	
9	CONFERENCE ROOM RECEP	0.4	1 20 9	10	1	20	0.6	1	20	0.6	RECEPTION RECEP	10	
11	CONFERENCE ROOM RECEP	1.0	1 20 11	12	1	20	0.6	1	20	0.6	RECEPTION RECEP	12	
13	WAITING RECEP	0.6	1 20 13	14	1	20	0.6	1	20	0.6	RECEPTION RECEP	14	
15	NURSE CONSULT RECEP	1.0	1 20 15	16	1	20	0.4	1	20	0.4	DOOR BELL SYSTEM / INTERCOM	16	
17	EF-1 & EF-2	3.0	1 20 17	18	1	20	1.2	1	20	1.2	SIGN	18	
19	HUH-1	3.0	2 20 19	20	1	20	0.2	1	20	0.2	SPARE	20	
21		2.1	2 20 21	22	1	20	0.2	1	20	0.2	SPARE	22	
23	HUH-1	3.0	2 20 23	24	1	20	0.2	1	20	0.2	SPARE	24	
25		2.5	2 20 25	26	1	20	0.2	1	20	0.2	SPARE	26	
27	HUH-1	3.0	2 20 27	28	1	20	0.2	1	20	0.2	SPARE	28	
29		2.9	2 20 29	30	1	20	0.2	1	20	0.2	SPARE	30	
31	SPARE	1	20 31	32	1	20	0.2	1	20	0.2	SPARE	32	
33	SPARE	1	20 33	34	1	20	0.2	1	20	0.2	SPARE	34	
35	PUMP P-1	0.3	1 15 35	36	1	20	0.2	1	20	0.2	SPARE	36	
37		3.7	1 30 37	38	1	20	0.2	1	20	0.2	SPARE	38	
39	WATER HEATER	9.0	3 35 39	40	2	20	3.3	1	20	3.3	FCU-1/2 & HPU-1A	40	
41		4.1	1 42	42	1	20	0.2	1	20	0.2	SPARE	42	
TOTALS		28.5	KVA							9.7	KVA		

CONNECTED LOADS

PANEL RP1	38.2	/	106
TOTALS	38.2	/	106
	KVA		AMPS

NOTES:
 GF = PROVIDE GFCI BREAKER

PANEL MDP

208 / 120 VOLTS 3 PHASE 4 WIRE
 600 AMP MAIN LUGS ONLY
 A.I.C. = 42,000

CKT No.	DESCRIPTION	KVA	C/B POLE AMP	CKT No.	A	B	C	CKT No.	C/B POLE AMP	KVA	DESCRIPTION	CKT No.	
1		1	1 20 1	2	1	20	0.2	1	20	0.2	CLEAN SUPPLY RECEP	2	
3	PANEL MP	62.1	3 225 3	4	1	20	0.2	1	20	0.2	STAFF RECEP	4	
5		5	1 20 5	6	1	20	0.6	1	20	0.6	RECEPTION RECEP	6	
7		7	1 20 7	8	1	20	0.8	1	20	0.8	RECEPTION RECEP	8	
9	PANEL EP1/EP2	78.9	3 300 9	10	1	20	0.6	1	20	0.6	RECEPTION RECEP	10	
11		11	1 20 11	12	3	100	3	150	38.2	38.2	PANEL RP1	12	
TOTALS		141.0	KVA							38.2	KVA		

CONNECTED LOADS

PANEL MDP	179.2	/	497
TOTALS	179.2	/	497
	KVA		AMPS

NOTES:
 GF = PROVIDE GFCI BREAKER

PANEL MP

208 / 120 VOLTS 3 PHASE 4 WIRE
 225 AMP MAIN LUGS ONLY
 A.I.C. = 42,000

CKT No.	DESCRIPTION	KVA	C/B POLE AMP	CKT No.	A	B	C	CKT No.	C/B POLE AMP	KVA	DESCRIPTION	CKT No.	
3	RTU-1	13.3	3 50 3	4	1	20	0.2	1	20	0.2	SPARE	4	
5		5	1 20 5	6	1	20	0.6	1	20	0.6	RECEPTION RECEP	6	
7		7	1 20 7	8	1	20	0.8	1	20	0.8	RECEPTION RECEP	8	
9	H-1	3.0	3 15 9	10	1	20	0.6	1	20	0.6	RECEPTION RECEP	10	
11		11	1 20 11	12	1	20	0.6	1	20	0.6	RECEPTION RECEP	12	
13		13	1 20 13	14	1	20	0.6	1	20	0.6	RECEPTION RECEP	14	
15	H-2	3.0	3 15 15	16	1	20	0.6	1	20	0.6	RECEPTION RECEP	16	
17		17	1 20 17	18	1	20	0.6	1	20	0.6	RECEPTION RECEP	18	
19		19	1 20 19	20	1	20	0.6	1	20	0.6	RECEPTION RECEP	20	
21	EDH-1, EDH-2	7.0	3 30 21	22	1	20	0.2	1	20	0.2	SPARE	22	
23		23	1 20 23	24	1	20	0.2	1	20	0.2	SPARE	24	
25		25	1 20 25	26	1	20	0.2	1	20	0.2	SPARE	26	
27	EDH-3	2.5	3 15 27	28	3	15	4.0	15	4.0	4.0	EDH-4	28	
29		29	1 20 29	30	1	20	0.2	1	20	0.2	SPARE	30	
31	SPACE	1.2	1 20 31	32	1	20	0.2	1	20	0.2	SPARE	32	
33	SPACE	1.2	1 20 33	34	1	20	0.2	1	20	0.2	SPARE	34	
35	SPACE	1.2	1 20 35	36	1	20	0.2	1	20	0.2	SPARE	36	
37	SPACE	1.2	1 20 37	38	1	20	0.2	1	20	0.2	SPARE	38	
39	SPACE	1.2	1 20 39	40	1	20	0.2	1	20	0.2	SPARE	40	
41	SPACE	1.2	1 20 41	42	1	20	0.2	1	20	0.2	SPARE	42	
TOTALS		28.8	KVA							33.3	KVA		

CONNECTED LOADS

PANEL MP	62.1	/	172
TOTALS	62.1	/	172
	KVA		AMPS

NOTES:
 GF = PROVIDE GFCI BREAKER

LOAD CALCULATION SUMMARY

LOAD TYPE	CONNECTED KVA	DEMAND FACTOR	COMPUTED KVA
* LIGHTING	10.2	125%	12.7
* SIGN CIRCUIT	1.2	125%	1.5
** RECEPTACLES	20.6	**	15.3
ROOF TOP UNITS (A/C)	69.6	100%	69.6
WATER HEATERS	9.0		