B2G-EK-4 PANELBOARD SCHEDULE

MAINS:	400A MAIN LUGS ONLY	VOLTAGE:	208	ACCESSORIES:	NOTES:
TYPE:	SQUARE D, NQ	PHASE:	3ø,4W	1. EQUIPMENT GROUND BAR	
MOUNTING:	SURFACE	WIDTH:	20	2.	*PROVIDE GFCI BREAKER
SCCR:	10K AIC	SPACE(S):	42	3.	

CKT	CKT BRK	WIRE	LOAD DESCRIPTION	(VA)	A (VA)	B (VA)	C (VA)	(VA)	LOAD DESCRIPTION	WIRE	CKT BRK	CKT
1	20A/1P	#12s	LTG: KITCHEN	1750	3625			1875	LTG: KITCHEN	#12s	20A/1P	2
3	20A/1P	#12S	LTG: OFFICES/DRY STOR	1565		6165		4600	DISH MACHINE	#8s	50A/3P	4
5	45A/3P	#8s	PULPER	4251			8851	4600				6
7				4251	8851			4600				8
9				4251		5395		1144	COLLECTOR	#12s	25A/1P	10
11	.	.	SPACE	0			2080	2080	BUSSING CONVEYOR	#10s	25A/2P	12
13	20A/1P	#12s	EXHAUST HOOD	1920	4000			2080				14
15	.	.	SPACE	0		1920		1920	U.C. FRIDGE	#12s	20A/1P	16
17	20A/1P	#12s	COFFEE MAKER	1920			3840	1920	TEA MAKER	#12s	20A/1P	18
19	20A/1P	#12s	BAG MACHINE	1920	3840			1920	REC: WORK TABLE	#12s	*20A/1P	20
21	*20A/1P	#12s	REC: WORK TABLE	1920		3110		1190	HOT FOOD CABINET	#12s	15A/2P	22
23	15/2P	#12s	HOT FOOD CABINET	1190			2380	1190				24
25				1190	3270			2080	ICE MACHINE	#10s	25A/2P	26
27	*20A/1P	#12s	REC: WORK TABLE	1920		4000		2080				28
29	*20A/1P	#12s	REC: WORK TABLE	1920			3840	1920	REC: SERVICE OUTLET	#12s	20A/1P	30
31	*20A/1P	#12s	REC: WORK TABLE	1920	3840			1920	REC: WORK TABLE	#12s	*20A/1P	32
33	30A/1P	#10s	FOOD CUTTER	1920		1920		0	SPACE	.	.	34
35	20A/1P	.	SPARE	0			0	0	SPACE	.	.	36
37	20A/1P	.	SPARE	0	2102			2102	PULPER/CONE	#10s	25A/3P	38
39	20A/1P	.	SPARE	0		2102		2102				40
41	20A/1P	.	SPARE	0			2102	2102				42

TOTAL PHASE A (VA)	TOTAL PHASE B (VA)	TOTAL PHASE C (VA)	TOTAL CONNECTED LOAD (VA)	TOTAL AMPS
29528	24612	23093	77233	214

B2G-EK-6 PANELBOARD SCHEDULE

MAINS:	400A MAIN LUGS ONLY	VOLTAGE:	208	ACCESSORIES:	NOTES:
TYPE:	SQUARE D, NQ	PHASE:	3ø,4W	1. EQUIPMENT GROUND BAR	
MOUNTING:	SURFACE	WIDTH:	20	2.	*PROVIDE GFCI BREAKER
SCCR:	10K AIC	SPACE(S):	42	3.	

CKT	CKT BRK	WIRE	LOAD DESCRIPTION	(VA)	A (VA)	B (VA)	C (VA)	(VA)	LOAD DESCRIPTION	WIRE	CKT BRK	CKT
1	15A/2P	#12s	HOT FOOD CABINET	1190	2380			1190	HOT FOOD CABINET	#12s	15A/2P	2
3				1190		2380		1190				4
5	*20A/1P	#12s	REC: WORK TABLE	1920			3840	1920	REC: WORK TABLE	#12s	*20A/1P	6
7	*20A/1P	#12s	REC: WORK TABLE	1920	3840			1920	REC: WORK TABLE	#12s	*20A/1P	8
9	20A/1P	#12s	SLICER	1176		2352		1176	MIXER	#12s	20A/1P	10
11	30A/3P	#10s	DEHYDRATOR	1000			3534	2534	EXTRACTOR	#10s	25A/3P	12
13				1000	3534			2534				14
15				1000		3534		2534				16
17	25A/1P	#10s	PROOFER	2304			4176	1872	MIXER	#8s	35A/2P	18
19	15A/1P	#12s	SUMP PUMP	864	2736			1872				20
21	*20A/1P	#12s	REC: WORK TABLE	1920		3840		1920	REC: WORK TABLE	#12s	*20A/1P	22
23	*20A/1P	#12s	REC: WORK TABLE	1920			3840	1920	REC: WORK TABLE	#12s	*20A/1P	24
25	20A/1P	#12s	LTG: WALK-IN FRZR	1920	3840			1920	LTG: WALK-IN COOLER	#12s	20A/1P	26
27	50A/3P	#8s	FREEZER CONDENSING UNIT	3843		6629		2786	COOLER CONDENSING UNIT	#10s	30A/3P	28
29				3843			6629	2786				30
31				3843	6629			2786				32
33	50A/3P	#8s	FREEZER CONDENSING UNIT	3843		4923		1080	REC: KITCHEN/OFFICE	#12s	20A/1P	34
35				3843			5283	1440	REC: OFFICES	#12s	20A/1P	36
37				3843	4643			800	REC: RESTROOMS	#12s	20A/1P	38
39	20A/1P	.	SPARE	0		0		0	SPARE	.	20A/1P	40
41	20A/1P	.	SPARE	0			0	0	SPARE	.	20A/1P	42

TOTAL PHASE A (VA)	TOTAL PHASE B (VA)	TOTAL PHASE C (VA)	TOTAL CONNECTED LOAD (VA)	TOTAL AMPS
27602	23658	27302	78562	218

B2G-EK-8 PANELBOARD SCHEDULE

MAINS:	225A MAIN LUGS ONLY	VOLTAGE:	208	ACCESSORIES:	NOTES:
TYPE:	SQUARE D, NQ	PHASE:	3ø,4W	1. EQUIPMENT GROUND BAR	.
MOUNTING:	SURFACE	WIDTH:	20	2.	.
SCCR:	10K AIC	SPACE(S):	42	3.	.

CKT	CKT BRK	WIRE	LOAD DESCRIPTION	(VA)	A (VA)	B (VA)	C (VA)	(VA)	LOAD DESCRIPTION	WIRE	CKT BRK	CKT
1	20A/1P	#12s	REC: OFFICE/RR	1300	1300			0	SPACE FOR CART WASH. VERIFY BRKR SIZE AND ALL REQUIREMENTS.	.	.	2
3	20A/1P	#12s	AHU-1 HEATER CABLE	500		500		0				4
5	20A/1P	#12s	AHU-2 HEATER CABLE	500			4335	3835	UDS 208V SERVICE	#8s	40A/3P	6
7	15A/1P	#12s	UDS 120V CONTROL	1500	5335			3835				8
9	20A/1P	#12s	EF-5	83		3918		3835				10
11	20A/1P	#12s	EF-6	692			1492	800	REC: ROOFTOP/LTG: ROOF	#12s	20A/1P	12
13	20A/1P	#12s	EF-4	941	2861			1920	REC: EXISTING	#12s	20A/1P	14
15	20A/1P	#12s	REC: EXISTING	1920		3840		1920	REC: EXISTING	#12s	20A/1P	16
17	20A/1P	#12s	REC: EXISTING	1920			1920	0	SPACE	.	.	18
19	20A/1P	#12s	LTG: HOOD	1500	1500			0	SPACE	.	.	20
21	60A/2P	#6s	F-1	4410		6800		2390	HP-1	#8s	50A/2P	22
23				4410			6800	2390				24
25	20A/2P	#12s	ROLL THRU REFRIGERATOR	1602	2052			450	VAV's	#12s	20A/1P	26
27				1602		3204		1602	ROLL THRU REFRIGERATOR	#12s	20A/2P	28
29	20A/1P	#12s	REACH-IN FRIDGE	1092			2694	1602				30
31	20A/1P	#12s	FREEZER	1236	1736			500	LTG: BUILDING EXTERIOR	#12s	20A/1P	32
33	.	.	SPACE	0		770		770	LTG: BUILDING EXTERIOR	#12s	20A/1P	34
35	.	.	SPACE	0			0	0	SPACE	.	.	36
37	.	.	SPACE	0	0			0	SPACE	.	.	38
39	20A/1P	.	SPARE	0		0		0	SPARE	.	20A/1P	40
41	20A/1P	.	SPARE	0			0	0	SPARE	.	20A/1P	42

TOTAL PHASE A (VA)	TOTAL PHASE B (VA)	TOTAL PHASE C (VA)	TOTAL CONNECTED LOAD (VA)	TOTAL AMPS
14784	19032	17241	51057	142

B2G-EK-10 PANELBOARD SCHEDULE

MAINS:	225A MAIN LUGS ONLY	VOLTAGE:	208	ACCESSORIES:	NOTES:
TYPE:	SQUARE D, NQ	PHASE:	3ø,4W	1. EQUIPMENT GROUND BAR	.
MOUNTING:	SURFACE	WIDTH:	20	2.	.
SCCR:	10K AIC	SPACE(S):	42	3.	.

CKT	CKT BRK	WIRE	LOAD DESCRIPTION	(VA)	A (VA)	B (VA)	C (VA)	(VA)	LOAD DESCRIPTION	WIRE	CKT BRK	CKT
1	20A/1P	#12s	REC:RETAIL	720	1440			720	REC: RETAIL	#12s	20A/1P	2
3	20A/1P	#12s	REC: INDUSTRIAL CORR	1260		1980		720	REC: RETAIL	#12s	20A/1P	4
5	20A/1P	#12s	OVERHEAD DOOR	1500			2300	800	REC: RETAIL COUNTER	#12s	20A/1P	6
7	30A/2P	#10s	COVERED LOADING DOCK	2250	4500			2250	COVERED LOADING DOCK	#10s	30A/2P	8
9				2250		4500		2250				10
11	20A/2P	#12s	HP-2	1135			3460	2325	F-2	#10s	30A/2P	12
13				1135	3460			2325				14
15	20A/1P	#12s	DOOR OPERATOR	1500		3000		1500	DOOR OPERATOR	#12s	20A/1P	16
17	20A/1P	#12s	DOOR OPERATOR	1500			3000	1500	DOOR OPERATOR	#12s	20A/1P	18
19	20A/1P	#12s	DOOR OPERATOR	1500	3000			1500	DOOR OPERATOR	#12s	20A/1P	20
21	30A/3P	#8s	TRASH COMPACTOR	2885		2885		0	SPACE FOR FRIDGE. VERIFY BRKR SIZE AND ALL REQUIREMENTS.	.	.	22
23				2885			2885	0				24
25				2885	2885			0	SPACE	.	.	26
27	20A/1P	#12s	LTG: RESTROOM/CORR	404		404		0	SPACE	.	.	28
29	20A/1P	#12s	LTG: RETAIL	616			616	0	SPACE	.	.	30
31	20A/1P	#12s	LTG: RETAIL TRACK	1650	1650			0	SPACE	.	.	32
33	20A/1P	#12s	LTG: RETAIL TRACK	1650		1650		0	SPACE	.	.	34
35	20A/1P	#12s	LTG: IND CORR/DOCK	472			472	0	SPACE	.	.	36
37	20A/1P	#12s	LTG: OFFICE/LOCKER/VEST	600	600			0	SPACE	.	.	38
39	20A/1P	.	SPARE	0		0		0	SPARE	.	20A/1P	40
41	20A/1P	.	SPARE	0			0	0	SPARE	.	20A/1P	42

TOTAL PHASE A (VA)	TOTAL PHASE B (VA)	TOTAL PHASE C (VA)	TOTAL CONNECTED LOAD (VA)	TOTAL AMPS
17535	14419	12733	44687	124

LIGHT FIXTURE SCHEDULE

ALL FLUORESCENT LIGHT FIXTURES SHALL COMPLY WITH NEC 2005, 410.73(G).

MARK	MANUFACTURER	CATALOG NUMBER	SUPPLY VOLTAGE	FINISH	BALLAST: INSTANT START	BALLAST: PROGRAM START	BALLAST: DIM	MTG.: LAY-IN	MTG.: RECESSED	MTG.: SURF. WALL	MTG.: SURF. CLG.	MTG.: OTHER	LAMPS TYPE: FLUOR.	LAMPS TYPE: H.I.D.	LAMPS TYPE: INCAND.	LAMPS TYPE: OTHER	LAMPS QUANTITY	LAMP INFO.	NOTES	APPROVED MFRS.
FLUORESCENT LINEAR LIGHT FIXTURES																				
A	WILLIAMS	50G-S24-L60/835-SA12125-DRV-UNV	UNV	WHITE				X								X		6000 LUMEN, 3500K LED	PAINT AFTER FAB	LITHONIA, LSI, METALUX, HOLOPHANE
B	WILLIAMS	50G-S24-L35/835-SA12125-DRV-UNV	UNV	WHITE				X								X		3500 LUMEN, 3500K LED	PAINT AFTER FAB	LITHONIA, LSI, METALUX, HOLOPHANE
C	WILLIAMS	96-4-L62/835-HIAFR-DRV-UNV	UNV	WHITE							X	X				X		6200 LUMEN 3500K LED	PAINT AFTER FAB CHAIN HANG BELOW CEILING STRUCTURE OR SEE PLANS	LITHONIA, LSI, METALUX, HOLOPHANE
D	WILLIAMS	96-2-L29/835-HIAFR-DRV-UNV	UNV	WHITE						X	X	X				X		2900 LUMEN 3500K LED	PAINT AFTER FAB CHAIN HANG BELOW CEILING STRUCTURE OR SEE PLANS	LITHONIA, LSI, METALUX, HOLOPHANE
EXTERIOR WALL PACKS																				
G	HUBBELL	PGM3-30LU-4K-BZ	120	BRONZE						X						X		BY MANUFACTURER	PAINT AFTER FAB REFER TO ARCH. ELEVATIONS FOR MOUNTING HEIGHTS	GE
EXTERIOR SURFACE MOUNTED LIGHT FIXTURES																				
J	HUBBELL	NRG4-30LU-4K-035-BZ	UNV	BRONZE							X					X		3355 LUMEN, 4000K LED	PAINT AFTER FAB	LITHONIA, LSI, METALUX, HOLOPHANE
EXTERIOR SUSPENDED LIGHT FIXTURES																				
K	WILLIAMS	AXA-4-L31/835-LVRC-S-AFC48-DRV-UNV	UNV	WHITE							X					X		3100 LUMEN 3500K LED	PAINT AFTER FAB CHAIN HANG BELOW CEILING STRUCTURE OR SEE PLANS	LITHONIA, LSI, METALUX, HOLOPHANE
EXIT LIGHT FIXTURES																				
X	WILLIAMS	EXIT/CA-DF-R-EM-AF=WHT	UNV	WHITE							X	X				X		BY MANUFACTURER		CHLORIDE, LITHONIA, SURE-LITE

MOTOR STARTER SCHEDULE

MARK	EQUIPMENT	LOAD	TYPE	CONTROL	ACCESSORIES
MS1	EF-1	3HP, 208V, 3ø	COMBINATION MAGNETIC	120V TOGGLE SWITCH FOR CONTROL	AC,CVT,HOA, GPL,ORB
MS2	EF-2	3HP, 208V, 3ø	COMBINATION MAGNETIC	120V TOGGLE SWITCH FOR CONTROL	AC,CVT,HOA, GPL,ORB

AC = AUXILIARY CONTACTS (2 OPEN/2 CLOSE)
CVT = CONTROL VOLTAGE TRANSFORMER
GPL = GREEN PILOT LIGHT
HOA = HAND-OFF-AUTOMATIC SELECTOR
ORB = OVERLOAD RESET BUTTON

B2G-EK-3 PANELBOARD SCHEDULE

MAINS:	250A MAIN LUGS ONLY	VOLTAGE:	480	ACCESSORIES:	NOTES:
TYPE:	SQUARE D, NF	PHASE:	3ø,4W	1. EQUIPMENT GROUND BAR	.
MOUNTING:	SURFACE	WIDTH:	20	2.	.
SCCR:	10K AIC	SPACE(S):	42	3.	.

CKT	CKT BRK	WIRE	LOAD DESCRIPTION	(VA)	A (VA)	B (VA)	C (VA)	(VA)	LOAD DESCRIPTION	WIRE	CKT BRK	CKT
1	20A/3P	#12s	AHU-1	2439	4878			2439	AHU-2	#12s	20A/3P	2
3				2439		4878		2439				4
5				2439			4878	2439				6
7	15A/3P	#12s	P-1	1331	1886			555	DOCK LEVELER & TRUCK RESTRAINT	#12s	15A/3P	8
9				1331		1886		555				10
11				1331			1886	555				12
13	50A/3P	#8s	AC-1	11170	12501			1331	P-2	#12s	15A/3P	14
15				11170		12501		1331				16
17				11170			12501	1331				18
19	15A/3P	#12s	DOCK LEVELER & TRUCK RESTRAINT	555	5055			4500	RH-1	#10s	25A/1P	20
21				555		5055		4500	RH-1	#10s	25A/1P	22
23				555			5055	4500	RH-1	#10s	25A/1P	24
25	50A/3P	#8s	AC-2	11170	15670			4500	RH-1	#10s	25A/1P	26
27				11170		11170		0	SPACE	.	.	28
29				11170			11170	0	SPACE	.	.	30
31	.	.	SPACE	0	0			0	SPACE	.	.	32
33	.	.	SPACE	0		0		0	SPACE	.	.	34
35	.	.	SPACE	0			0	0	SPARE	.	20A/1P	36
37	.	.	SPACE	0	0			0	SPARE	.	20A/1P	38
39	.	.	SPACE	0		0		0	SPARE	.	20A/1P	40
41	.	.	SPACE	0			0	0	SPARE	.	20A/1P	42

TOTAL PHASE A (VA)	TOTAL PHASE B (VA)	TOTAL PHASE C (VA)	TOTAL CONNECTED LOAD (VA)	TOTAL AMPS
39990	35490	35490	110970	133

EL-B2 PANELBOARD SCHEDULE

MAINS:	125A MAIN BREAKER	VOLTAGE:	208	ACCESSORIES:	NOTES:
TYPE:	SQUARE D, NQ	PHASE:	3ø,4W	1. EQUIPMENT GROUND BAR	.
MOUNTING:	SURFACE	WIDTH:	20	2.	.
SCCR:	10K AIC	SPACE(S):	42	3.	.

CKT	CKT BRK	WIRE	LOAD DESCRIPTION	(VA)	A (VA)	B (VA)	C (VA)	(VA)	LOAD DESCRIPTION	WIRE	CKT BRK	CKT
1	20A/1P	EX	EXISTING LOADS. FIELD VERIFY EXISTING CIRCUIT SIZES AND PROVIDE NEW BREAKER TO MATCH EXISTING. RECONNECT EXISTING BRANCH CIRCUIT WIRES TO SAME CIRCUIT POSITION.	0	0			0	EXISTING LOADS. FIELD VERIFY EXISTING CIRCUIT SIZES AND PROVIDE NEW BREAKER TO MATCH EXISTING. RECONNECT EXISTING BRANCH CIRCUIT WIRES TO SAME CIRCUIT POSITION.	EX	20A/1P	2
3	20A/1P	EX		0		0		0		EX	20A/1P	4
5	20A/1P	EX		0			0	0		EX	20A/1P	6
7	20A/1P	EX		0	0			0		EX	20A/1P	8
9	20A/1P	EX		0		0		0		EX	20A/1P	10
11	20A/1P	EX		0			0	0		EX	20A/1P	12
13	20A/1P	EX		0	0			0		EX	20A/1P	14
15	20A/1P	EX		0		0		0		EX	20A/1P	16
17	20A/1P	EX		0			0	0		EX	20A/1P	18
19	20A/1P	EX		0	0			0		EX	20A/1P	20
21	20A/1P	EX		0		0		0		EX	20A/1P	22
23	20A/1P	EX		0			0	0		EX	20A/1P	24
25	20A/1P	#12s	LTG: CORRIDORS	840	840			0	SPACE	.	.	26
27	20A/1P	#12s	LTG: KITCHEN	1120		1120		0	SPACE	.	.	28
29	20A/1P	#12s	LTG: KITCHEN/BASEMENT	1080			1080	0	SPACE	.	.	30
31	20A/1P	#12s	LTG: RETAIL/DOCK	1050	1050			0	SPACE	.	.	32
33	20A/1P	#12s	FIRE SUPPRESSION	1920		1920		0	SPACE	.	.	34
35	.	.	SPACE	0			0	0	SPARE	.	20A/1P	36
37	.	.	SPACE	0	0			0	SPARE	.	20A/1P	38
39	.	.	SPACE	0		0		0	SPARE	.	20A/1P	40
41	.	.	SPACE	0			0	0	SPARE	.	20A/1P	42

TOTAL PHASE A (VA)	TOTAL PHASE B (VA)	TOTAL PHASE C (VA)	TOTAL CONNECTED LOAD (VA)	TOTAL AMPS
1890	3040	1080	6010	17

PANELBOARD SCHEDULE - B2G-EK-1

800	AMP	MAIN BREAKER, 100% RATED		SQUARE-D, HCP-SU
VOLTAGE:	277/480	3 PHASE	65K AIC	MOUNTING: SURFACE
GFCI:	___ YES	X NO	30% ADDITIONAL MOUNTING SPACE	
WITH EQUIPMENT GROUND BAR				

CKT	BKR. SIZE	WIRE SIZE	LOAD	LOAD DESCRIPTION
1	250A/3P	SEE RISER	110970	PANEL "B2G-EK-3"
2	450A/3P	SEE RISER	293909	TRANSFORMER "TEK"
3	350A/3P	350 MCM	220667	UDS 480V SERVICE
4	.	.	0	SPACE
5	.	.	0	SPACE
6	.	.	0	SPACE
		TOTAL LOAD =	625546	

PANELBOARD SCHEDULE - B2G-EK-2

800	AMP	MAIN BREAKER, 100% RATED		SQUARE-D, HCP-SU
VOLTAGE:	120/208	3 PHASE	22K AIC	MOUNTING: SURFACE/FLUSH
GFCI:	___ YES	X NO	30% ADDITIONAL MOUNTING SPACE	
WITH EQUIPMENT GROUND BAR				

CKT	BKR. SIZE	WIRE SIZE	LOAD	LOAD DESCRIPTION
1	300A/3P	SEE RISER	77233	PANEL "B2G-EK-4"
2	300A/3P	SEE RISER	78562	PANEL "B2G-EK-6"
3	200A/3P	SEE RISER	51057	PANEL "B2G-EK-8"
4	150A/3P	SEE RISER	44687	PANEL "B2G-EK-10"
5	150A/3P	#1/0s	42370	TRAY MAKE UP CONVEYOR
6	.	.	0	.
7	.	.	0	.
8	.	.	0	.
		TOTAL LOAD =	293909	

CONTRACT DOCUMENTS

Revisions:	Date

VA FORM 08-6231

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Drawing Title: **BLDG. #2 - ELECTRICAL SCHEDULES**

Approved Project Director:

Project Title: **CONSTRUCT NEW DIETETICS**
DEPARTMENT OF VETERAN AFFAIRS MEDICAL CENTER

Location: 2401 WEST MAIN STREET, MARION, IL 62959

Project Number: 657A5-10-101
Building Number: Building #2
Drawing Number: E7 — Dwg. 21 of 21

Date	Checked	Drawn
1-29-2016	D.L.S.	P.J.E.

Office of Construction and Facilities Management
Department of Veterans Affairs

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