



PANELBOARD MPA			
277/480 VOLTS		3 ϕ 4 W	800 A AMP MCB 800 A AMP BUS
			22000 A.I.C. RATING SURFACE MOUNTED
CKT NO.	TRIP / POLES	DESCRIPTION	CONNECTED LOAD (KVA)
1	110/3	PANEL RPA W/ TA	80230
2	70/3	PANEL RPB W/ TB	58830
3	225/3	PANEL RPE	142859
4	100/3	PANEL HPA	48630
5	200/3	X-RAY MACHINE	126000
6	30/3	LIFT STATION	3732
7	20/3	DOCK LIFT	4851
8	200/3	CH-1, CHILLER	87528
9	100/3	SPARE	0
10	60/3	TRSS	0
Load Category		Connected Load (KVA) x Demand Factor =	Demand Load (KVA)
Appliance		4.1	0.75
Cooling		124.6	1.00
Lighting		23.2	1.25
Kitchen Equipment - Non-Dwelling Unit		6.7	0.65
Motors (Largest)		130.3	1.00
Motors (0 - 10 KVA)		28.5	1.25
Receptacles (0 - 10 KVA)		10.0	1.00
Receptacles (Over 10 KVA)		277.2	0.50
			138.6
			22000 A.I.C. RATING SURFACE MOUNTED

PANEL HPA			
VOLTAGE (L-N):		480	ENCLOSURE TYPE: NEMA 1
VOLTAGE (L-L):		480	MOUNTING: SURFACE
PHASES, WIRES:		3 ϕ 3 W	MC RATING (A): 22000
MINIMUM BUS CAPACITY (A):		100 A M.L.O.	NOTES: -----
MAIN O.C. DEVICE (A):		100 A M.L.O.	
CKT NO	DESCRIPTION	POLE	TRIP AMPS
1,3,5	EMU-1	A	2632
		B	2632
		C	2632
7,9,11	CHW-1 (3264W EX. PHASE PER ALT.# 11)	A	4434
		B	4434
		C	4434
13,15,17	EMU-2	A	2632
		B	2632
		C	2632
19,21,23	SPARE	A	20
		B	20
		C	20
TOTAL:		486	51.9
LOAD (AMPS):		36.4	62.4

PANELBOARD TPE			
277/480 VOLTS		3 ϕ 4 W	600 A AMP MLO 600 A AMP BUS
			22000 A.I.C. RATING SURFACE MOUNTED
CKT NO.	TRIP / POLES	DESCRIPTION	DEMAND LOAD (KVA)
1	225/3	VA PANEL HPE	145453
2	225/3	NMYR PANEL MPA	99175
			DEMAND LOAD (KVA)
			244.4 KVA
			SPARE CAPACITY 245.8 KVA
			SPARE CAPACITY 51%
			Lighting 42.4
			Equipment 11.1
			Motors (Largest) 87.1
			Motors (0 - 10 KVA) 16.9
			Receptacles (Over 10 KVA) 78.9
			Receptacles (0 - 10 KVA) 10.0
			TOTAL: 244.4
			LOAD (AMPS): 293.3

PANEL HPE			
VOLTAGE (L-N):		277	ENCLOSURE TYPE: NEMA 1
VOLTAGE (L-L):		480	MOUNTING: SURFACE
PHASES, WIRES:		3 ϕ 4 W	MC RATING (A): 22000
MINIMUM BUS CAPACITY (A):		225 A M.L.O.	NOTES: -----
MAIN O.C. DEVICE (A):		225 A M.L.O.	
CKT NO	DESCRIPTION	TRIP AMPS	POLE
1,3,5	EMU-1	70	A
			B
			C
7,9,11	SPARE	20	A
			B
			C
13,15,17	PANEL LPE	100	A
			B
			C
19,21,23	SPARE	20	A
			B
			C
25,27,29	SPARE	20	A
			B
			C
TOTAL:		52891	47897
LOAD (AMPS):		171.8	158.1

PANEL LPE			
VOLTAGE (L-N):		277	ENCLOSURE TYPE: NEMA 1
VOLTAGE (L-L):		480	MOUNTING: SURFACE
PHASES, WIRES:		3 ϕ 4 W	MC RATING (A): 22000
MINIMUM BUS CAPACITY (A):		100 A M.L.O.	NOTES: -----
MAIN O.C. DEVICE (A):		100 A M.L.O.	
CKT NO	DESCRIPTION	TRIP AMPS	POLE
1	TRG. CORR.	20	A
			B
			C
3	TRG. ROOMS A05-A15	20	A
			B
			C
5	TRG. MFD DESK. WEST	20	A
			B
			C
7	TRG. B25-B39 & B24	20	A
			B
			C
9	TRG. B25-B39 & B24	20	A
			B
			C
11	TRG. B25-B39 & B24	20	A
			B
			C
13	TRG. B25-B39 & B24	20	A
			B
			C
15	TRG. B25-B39 & B24	20	A
			B
			C
17	TRG. B25-B39 & B24	20	A
			B
			C
19	TRG. B25-B39 & B24	20	A
			B
			C
21	TRG. B25-B39 & B24	20	A
			B
			C
23	TRG. B25-B39 & B24	20	A
			B
			C
TOTAL:		142.9	131.5
LOAD (AMPS):		171.8	158.1

PANEL LPE			
VOLTAGE (L-N):		277	ENCLOSURE TYPE: NEMA 1
VOLTAGE (L-L):		480	MOUNTING: SURFACE
PHASES, WIRES:		3 ϕ 4 W	MC RATING (A): 22000
MINIMUM BUS CAPACITY (A):		100 A M.L.O.	NOTES: -----
MAIN O.C. DEVICE (A):		100 A M.L.O.	
CKT NO	DESCRIPTION	TRIP AMPS	POLE
1	TRG. CORR.	20	A
			B
			C
3	TRG. ROOMS A05-A15	20	A
			B
			C
5	TRG. MFD DESK. WEST	20	A
			B
			C
7	TRG. B25-B39 & B24	20	A
			B
			C
9	TRG. B25-B39 & B24	20	A
			B
			C
11	TRG. B25-B39 & B24	20	A
			B
			C
13	TRG. B25-B39 & B24	20	A
			B
			C
15	TRG. B25-B39 & B24	20	A
			B
			C
17	TRG. B25-B39 & B24	20	A
			B
			C
19	TRG. B25-B39 & B24	20	A
			B
			C
21	TRG. B25-B39 & B24	20	A
			B
			C
23	TRG. B25-B39 & B24	20	A
			B
			C
TOTAL:		142.9	131.5
LOAD (AMPS):		171.8	158.1

Project Number	520-326
Project Name	CONSTRUCT VA OUTPATIENT CLINIC, PANAMA CITY
Project Location	PANAMA CITY, FLORIDA
Project Date	APRIL 2018
Project Status	Completed
Project Owner	CHS
Project Manager	EP602
Project Engineer	Department of Veterans Affairs

CONSULTANTS:	CONSULTANTS:
CONNECHT HOME & ASSOCIATES 7201 NORTH 9TH AVENUE, STE. 6 PANAMA CITY, FLORIDA 32404 PH: (850) 471-8005 FX: (850) 471-0093	CONNECHT HOME & ASSOCIATES 7201 NORTH 9TH AVENUE, STE. 6 PANAMA CITY, FLORIDA 32404 PH: (850) 471-8005 FX: (850) 471-0093
JANUSCARE ARCHITECT 6300 PROUDLY SQUARE DRIVE PANAMA CITY, FLORIDA 32409 PH: (904) 344-4039 FX: (231) 344-4032	JANUSCARE ARCHITECT 6300 PROUDLY SQUARE DRIVE PANAMA CITY, FLORIDA 32409 PH: (904) 344-4039 FX: (231) 344-4032



ARCHITECT/ENGINEERS:	BES DESIGN/BUILD, LLC 766 Middle St., Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716
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Drawing Title	PANEL SCHEDULES
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