

EXISTING PANEL DIRECTORY SHOWN FOR REFERENCE. UPDATE TO OMIT REMOVED DEVICES. CIRCUITS IDENTIFIED AS (NEW) ARE SHOWN ON NEW WORK PLANS. REMOVED CIRCUITS SHALL BE REIDENTIFIED AS SPARE. PROVIDE NEW TYPE WRITTEN CIRCUIT DIRECTORIES WITH TWO SPARE COPIES.

E1C-C

ROOM				VOLTS 208Y/120V 3P 4W		A/C -	
MOUNTING SURFACE		BUS AMPS 100		MAIN BKFR 100			
FEED FROM E1C-DPD ALSO FEEDS		NEUTRAL 100%		LUGS STANDARD			
NOTE		EGCA,E2CA,E2CB,E2CC					
CKT #	CKT BKFR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKFR	LOAD KVA	CIRCUIT DESCRIPTION
1	20/1	0	CALL BUTTONS, AUTO DOOR AMBULANCE ENTRANCE	a	2	20/1	0
3	20/1	0	SPARE	b	4	20/1	0
5	20/1	0	A139 COUNTERTOP RECEPT	c	6	20/1	0
7	20/1	0	NITROGEN & NITROSE ALARM C166	d	8	20/1	0
9	20/1	0	RECEPT C166	e	10	20/1	0
11	20/1	0	LTS HALL FIRM B CORRIDOR LTS TEAM R	f	12	20/1	0
13	20/1	0	FIRM B NURSE CALL PANEL	g	14	20/1	0
15	20/1	0	LTS HALL FIRM B CORRIDOR LTS TEAM R	h	16	20/1	0
17	20/1	0	SPARE	i	18	20/1	0
19	20/1	0	RECEPT WEST WALL C162	a	20	20/1	0
21	20/1	0	EXIT LIGHT C165	b	22	20/1	0
23	20/1	0	C162 DATA OUTLET	c	24	20/1	0
25	20/1	0	C162 FAN COIL UNIT	d	26	20/1	0
27	20/1	0.9	(NEW) FAN COIL, RECEPT RM C108, C112	e	28	20/1	1.04
29	20/1	0	SPARE	f	30	20/1	0.36
31	20/1	0	SPARE	g	32	20/1	0.9
33	20/1	0	SPARE	h	34	20/1	0.1
35	20/2	0.79	(NEW) FCS RM C134, FC3 & FC4 RM C116, FC1 & FC2 RM C118	a	36	20/1	0
37	20/1	0	SPACE	b	38	20/1	0
39	20/1	0	SPACE	c	40	20/1	0
41	20/1	0	SPACE	d	42	20/1	0
CONN. KVA				CONN. KVA			
CALC. KVA				CALC. KVA			
(125%)				(125%)			
LARGEST MOTOR 0.79				CONTINUOUS HEATING 0			
OTHER MOTORS 0				NONCONTINUOUS 0			
(100%)				(100%)			


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1C-NMF

ROOM			VOLTS 208Y/120V 3P 4W			AFC 22,000			
MOUNTING RECESSED			BUS AMPS 225			MAIN BRKR 225			
FED FROM GDDP			NEUTRAL 100%			LUGS STANDARD			
NOTE									
CKT #	CKT	LOAD KVA	CIRCUIT DESCRIPTION		CKT #	CKT	LOAD KVA	CIRCUIT DESCRIPTION	
1	20/1	0	CP-1 MECHANICAL ROOM		a	2	20/1	0	P-3
3	20/1	0	LIGHTS ELECTRICAL ROOM		b	4	20/1	0	P-4
5	20/1	0	P-2, FC-2, P-5		c	6	20/1	0	LIGHT MECHANICAL ROOM
7	20/1	0	HALL RECEPT., OUTSIDE RECEPT.		c	8	20/1	0	HALL RECEPT., OUTSIDE RECEPT.
9	60/3	0	DOOR AIR CURTAIN GARAGE ENTRANCE		c	10	20/1	0	AD-1 & AD-2
11					c	12	20/1	0	FC-1, FC-2
13					c	14	20/1	0	PTAC
15	20/1	0	FLAG POLE LIGHT		c	16	50/2	0	PTAC
17	20/1	0	D FUTURE		c	18	20/1	0	GUARD SHACK LIGHT AND RECEPT.
19	20/1	0	SIGN LIGHT		c	20	20/1	0	E LIGHT
21	20/1	0	LIGHTING CONTACTOR		b	22	20/1	0	WATER FOUNTAIN GFCI
23	20/1	0	H FUTURE		c	24	20/1	0	FC-3, FC-4, FC-5
25	20/1	0	P-1, TC, FC-2		c	26	20/1	0	LOBBY RECEPT.
27	20/1	0	VESTIBULE LIGHTS		b	28	20/1	0	HEAT TAPE IN DRAINS IN WALKWAY (RELOCATE FROM PNL E1C-A)
29	20/1	0	G FIXTURES		c	30	20/1	0	AIR CURTAIN TIME CLOCK (RELOCATE FROM PNL E1C-A)
31	30/3	6	ECU#-1&2 (RELOCATE FROM PNL E1C-A)		c	32	20/1	0	SPARE
33					c	34	20/1	0	SPARE
35					c	36	20/1	0	SPARE
37	60/3	0	EXISTING MAIN ENTRANCE DOOR HEATER (RELOCATE FROM PNL E1C-A)		c	38	100/3	10.3	PANEL 1CG
39					b	40			
41					c	42			
			CONN. KVA	CALC. KVA				CONN. KVA	CALC. KVA
LIGHTING			0	0	CONTINUOUS			0	0
LARGEST MOTOR			0.568	0.71	(125%) HEATING			6	6
OTHER MOTORS			0	0	(100%) NONCONTINUOUS			0	0
RECEPTACLES			9.76	9.76	(50%>10) KITCHEN EQUIP			0	0
					NONCON/VERSE TOTAL KVA			16.3	16.5
					BALANCED THREE PHASE AMPS			45.7	
					PHASE B 112%			PHASE C 83%	

ROOM				VOLTS 208Y/120V 3P 4W		AIG 22,000	
MOUNTING RECESSED				BUS AMPS 100		MAIN BKR 100	
FED FROM 1C-NME				NEUTRAL 100%		LUOS STANDARD	
NOTE							
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION
1	20/1	0.54	RECEPT RM C118	a	20/1	0.54	RECEPT RM C116
3	20/1	0.54	RECEPT RM C118	b	20/1	0.6	REFRIGERATOR RM C116
5	20/1	0.9	GFCI RM A188, C142, C144, HALL 145	c	20/1	0.36	COUNTER RM C116
7	20/1	0.6	REFRIGERATOR RM C113	d	20/1	0.54	RECEPT HALL RM C141
9	20/1	0.4	ICE MACHINE RM C112	b	20/1	0.36	GFCI RM C142
11	20/1	0.36	COUNTER RM C112	b	20/1	0.36	GFCI RM C112
13	20/1	0.36	COUNTER RM C112	e	14/0	0.6	CORNER RM C148
15	20/1	0.72	RECEPT RM C116	b	16/0	0.36	RECEPT RM C146, C147
17	20/1	0.54	C110, RECEPT RM C108	b	18/0	0	SPARE
18	20/1	0.36	COUNTER HEIGHT RM C113	a	20/1	0.18	COUNTER HEIGHT HALL C141
21	20/1	0.54	TV RM C108, C110, C112	b	22/0	0.568	EFT & EPT MAIN LOBBY ROOF C139
23	20/1	0	SPARE	c	24/0	0	SPARE
25	20/1	0	SPARE	c	26/0	0	SPARE
27	20/1	0	SPARE	b	28/0	0	SPARE
29	20/1	0	SPARE	c	30/0	0	SPARE
31	20/1	0	SPARE	c	32/0	0	SPARE
33	20/1	0	SPACE	b	34/0	0	SPACE
35	20/1	0	SPACE	c	36/0	0	SPACE
37	20/1	0	SPACE	c	38/0	0	SPACE
38	20/1	0	SPACE	b	40/0	0	SPACE
41	20/1	0	SPACE	c	42/0	0	SPACE
		CONN. KVA	CALC. KVA			CONN. KVA	CALC. KVA
LIGHTING		0.568	0.71 (125%)	CONTINUOUS		0	0 (125%)
LARGEST MOTOR		0	0.71 (125%)	HEATING		0	0 (100%)
OTHER MOTORS		0	0 (100%)	NONCONTINUOUS		0	0 (100%)
RECEPTACLES		9.76	9.76 (50%>10)	KITCHEN EQUIP		0	0 (N/A)
				NONCHON/DIVERSE		0	0 (N/A)
						10.3	10.5
BALANCED THREE PHASE AMPS				29.1			
PHASE BALANCE PERCENT: PHASE A 108%				PHASE B 119%			
				PHASE C 73.2%			

FED FROM ELC-E			NEUTRAL 100%		LUGS STANDARD			
NOTE								
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	
1	20/1	0.72	MONITORS RM C118	a	2	20/1	0.54	RAISED FLOOR RM C118
3	20/1	0.72	MONITORS RM C118	4	20/1	0.54	RAISED FLOOR RM C118	
5	20/1	0.72	MONITORS RM C118	6	20/1	0.72	RECEPT RM C116	
7	20/1	0.72	RECEPT RM C118	8	20/1	0.72	RECEPT RM C116	
9	20/1	0.54	COUNTER RM C118, RECEPT RM C118	10	20/1	0.54	RAISED FLOOR RM C118	
11	20/1	0.54	MONITOR RM C118, TV RM C118	12	20/1	0.36	RECEPT RM C148	
13	20/1	0.382	RM A188, CORR C122, HALL C141, EXITS HALL C141, HALL C143, EXIT HALL C145, CORR 122, EXIT CORR 122 LIGHTING	14	20/1	0.54	RAISED FLOOR RM C118	
15	20/1	0.72	RECEPT RM C134	18	20/1	0.5	SECURITY PANELS RM C134	
17	20/1	0.72	RECEPT RM C134	a	18	20/1	0	SPARE
19	20/1	0	SPARE	20	20/1	0	SPARE	
21	20/1	0	SPARE	22	20/1	0	SPARE	
23	20/1	0	SPARE	24	20/1	0	SPARE	
25	20/1	0	SPARE	a	28	20/1	0	SPARE
27	20/1	0	SPARE	b	28	20/1	0	SPARE
29	20/1	0	EXISTING FIRE ALARM PANEL STAIR#3	c	30	20/1	0	SPARE
31	20/1	0	EXISTING HALL LIGHTS	a	32	20/1	0	EXISTING OVERHEAD LIGHTS
33	20/1	0	SPARE	34	20/1	0	SPARE	
35	20/1	0	EXISTING AUTOMATIC DOOR OPENER #3	c	36	20/1	0	EXISTING STAIRWAY LIGHTS
37	20/1	0	EXISTING AUTOMATIC DOOR OPENER #4	a	38	20/1	0	SPARE
38	20/1	0	EXISTING EXIT LIGHTS	b	40	20/1	0	SPARE
41	20/1	0	EXISTING LIGHTS	c	42	20/1	0	SPARE
		CONN. KVA	CALC. KVA			CONN. KVA	CALC. KVA	
LIGHTING		0.382	0.478 (125%)	CONTINUOUS		0.5	0.625 (125%)	
LARGEST MOTOR		0	0 (125%)	HEATING		0	0 (100%)	
OTHER MOTORS		0	0 (100%)	NONCONTINUOUS		0	0 (100%)	
RECEPTACLES		9.36	9.36 (50%>10)	KITCHEN EQUIP		0	0 (N/A)	
				NONCON/DIVERSE		0	0 (N/A)	
				TOTAL KVA		10.2	10.5	
PHASE BALANCE PERCENT: PHASE A 106%				PHASE B 104%				
				PHASE C 89.6%				



STATE OF NEW YORK
PAUL JAMES MARTIN
069440
REGISTERED PROFESSIONAL ENGINEER

AUTHORIZED ALTERATION OR ADDITION TO THIS
DRAWING IS A VIOLATION OF SECTION 7209 SUBDIVISION
OF THE NEW YORK STATE EDUCATION LAW.

Sigma Psi Consulting

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Project Title		
SYRACUSE VAMC RENOVATE POLICE STATION		
Location		
SYRACUSE VA MEDICAL CENTER		NY
Date	Checked	Drawn
4/19/13	- PJM	- PJM

	Drawing Number

EC

Office of
Construction
and Facilities
Management

 Department of
Veterans Affairs