

ELECTRICAL EQUIPMENT & CONTROL SCHEDULE																								
EQUIPMENT						SUPPLY							CONTROL DEVICE(S)											
ITEM #	DESCRIPTION	ROOM LOCATION	SIZE	VOLTAGE / PHASE	PANEL OR CONTROL CENTER	CIRCUIT NUMBER	CIRCUIT BREAKER	POWER WIRING CONTROL UNIT TO PANEL TO CONTROL UNIT		POWER WIRING CONTROL UNIT TO EQUIPMENT		GROUND WIRE (SIZE PER NEC)	CONTROLLER DEVICE TYPE REQUIRED & LOCATIONS										REFERENCE NOTES (SEE BELOW)	ITEM #
													PACKAGED CONTROL UNIT	VARIABLE FREQUENCY DRIVE	COMBINATION STARTER	MAGNETIC STARTER	MANUAL STARTER	DISCONNECT (FUSED)	DISCONNECT SWITCH (NON-USED)	THERMALLY RATED SWITCH	CONTROL DEVICE(S) INSTALLATION LOCATION			
								WIRE	CONDUIT	WIRE	CONDUIT													
1	HOT WATER PUMP P-HW-1	16-16	1 HP	200/3	E16-1A	13,15,17	20A-3P	#12	3/4"	#12	3/4"	#12	X								AT UNIT		30	



GENERAL NOTES:

- A. LIGHT FIXTURE PARTS SHALL BE PAINTED AFTER FABRICATION.
- B. PROVIDE LIGHT FIXTURE WITH NECESSARY MOUNTING COMPONENTS AS REQUIRED TO INSTALL FIXTURES @ LOCATIONS/ELEVATIONS AS SHOWN ON DRAWINGS. MOUNTING COMPONENTS INCLUDE, BUT NOT LIMITED TO, INTERMEDIATE STEEL, CHAIR, AIR CRAFT CABLE, BOXES, HANGERS, ETC.
- C. REFER TO SPECIFICATION SECTION 26 51 00 - INTERIOR LIGHTING, FOR BALLAST AND LAMPING REQUIREMENTS, AND ADDITIONAL INFORMATION.

PANELBOARD SCHEDULE													
PANEL: E16-1B				LOCATION: 16-13				BUS: 200A				MAIN: 200A MCB	
SOURCE: E16-1A, 200A				MOUNTING: SURFACE								VOLTS: 208Y/120V	
ENCLOSED CB				FEEDER: 4 - #4/O AWG + #2 G IN 2-1/2" C				KAIC (RMS SYM): 22				PHASE: 3	
												WIRE: 4	
CKT#	DESCRIPTION	MOTOR	LTG.	RECEPT.	C.B.	CKT#	CKT#	C.B.	MOTOR	LTG.	RECEPT.	DESCRIPTION	CKT#
1	RECP-ROOM 16-01A & 16-01 (NORTH WALL)			X	20A-1P	1	2	20A-1P		X		LIGHTING ROOM 16-01a	2
3	RECP-ROOM 16-01 (NORTH WALLS)			X	20A-1P	3	4	20A-1P		X		NEW EXIT SIGN LIGHTING	4
5	RECP-ROOM 16-01 (SOUTH & NORTH WALLS)			X	20A-1P	5	6	20A-1P		X		LIGHTING ROOM 16-01 (SOUTH)	6
7	RECP-ROOM 16-02			X	20A-1P	7	8	20A-1P		X		LIGHTING ROOM 16-01 (NORTH)	8
9	RECP-ROOM 16-03 (SOUTH & WEST WALLS)			X	20A-1P	9	10	20A-1P		X		LIGHTING ROOM 16-02	10
11	RECP-ROOM 16-03 (FLOOR)			X	20A-1P	11	12	20A-1P		X		LIGHTING ROOM 16-04 & 16-05	12
13	RECP-ROOM 16-03 (FLOOR)			X	20A-1P	13	14	20A-1P		X		LIGHTING ROOM 16-03 (SOUTH)	14
15	RECP-ROOM 16-03 (SOUTH & EAST WALL)			X	20A-1P	15	16	20A-1P		X		LIGHTING ROOM 16-03 (NORTH)	16
17	RECP-ROOM 16-03 (NORTH WALL)			X	20A-2P	17	18	20A-1P		X		LIGHTING ROOM 16-07	18
19	RECP-ROOM 16-04 (WEST WALL)			X	20A-1P	19	20	20A-1P		X		LIGHTING ROOM 16-08	20
21	RECP-ROOM 16-05 (WEST WALL)			X	20A-1P	21	22	20A-1P		X		LIGHTING ROOM 16-09	22
23	RECP-ROOM 16-07			X	20A-1P	23	24	20A-1P		X		LIGHTING ROOM 16-06 (SOUTH 1ST ROW)	24
25	RECP-ROOM 16-06 SOUTH WALL			X	20A-1P	25	26	20A-1P		X		LIGHTING ROOM 16-06 (SOUTH 2ND ROW)	26
27	RECP-ROOM 16-08 & 16-09			X	20A-1P	27	28	20A-1P		X		LIGHTING ROOM 16-01 (MIDDLE ROW)	28
29	RECP-ROOM 16-06 (DRINKING FOUNTAIN)			X	20A-1P	29	30	20A-1P		X		LIGHTING ROOM 16-01 (NORTH)	30
31	RECP-ROOM 16-06 (EAST WALL)			X	20A-1P	31	32	20A-1P		X		LIGHTING ROOM 16-10	32
33	RECP-ROOM 16-06 (EAST WALL)			X	20A-1P	33	34	20A-1P		X		LIGHTING ROOM 16-11	34
35	RECP-ROOM 16-13 (SOUTH WALL)			X	20A-2P	35	36	20A-1P		X		LIGHTING ROOM 16-12	36
37						37	38	20A-1P		X		LIGHTING ROOM 16-13	38
39	RECP-ROOM 16-06 (WEST WALL)			X	20A-1P	39	40	20A-1P		X		LIGHTING ROOM 16-14	40
41	RECP-ROOM 16-06 (WEST WALL)			X	20A-1P	41	42	SPACE				SPACE	42
43	RECP-ROOM 16-06 (WEST WALL)			X	20A-1P	43	44	SPACE				SPACE	42
45	RECP-ROOM 16-06 (WEST WALL)			X	20A-1P	45	46	SPACE				SPACE	42
47	RECP-ROOM 16-06 (SOUTH WALL)			X	20A-2P	47	48	SPACE				SPACE	42
49						49	50	SPACE				SPACE	42
51	RECP-ROOM 16-10			X	20A-1P	51	52	SPACE				SPACE	42
53	RECP-ROOM 16-11			X	20A-1P	53	54	SPACE				SPACE	42
55	RECP-ROOM 16-12			X	20A-1P	55	56	SPACE				SPACE	42
57	SPARE					57	58	SPACE</					

GENERAL NOTES (FOR ELECTRICAL EQUIPMENT & CONTROL SCHEDULE ONLY):

- DESIGNATION NUMBER IS USED TO IDENTIFY EQUIPMENT & ASSOCIATED CONTROL DEVICES.
- VERIFY ALL MOTOR SIZES BEFORE ORDERING ANY CONTROL DEVICES.
- CONTROL DEVICES ARE PROVIDED BY CONTRACTOR UNLESS OTHERWISE NOTED.
- VERIFY FEEDER SIZES FOR VOLTAGE DROP IN ACCORDANCE WITH NEC REQUIREMENTS BASED ON ACTUAL ROUTING DISTANCES IN FIELD, INCREASE WIRE AND CONDUIT SIZE IF REQUIRED.

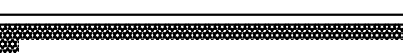
REFERENCE NOTES (FOR ELECTRICAL EQUIPMENT & CONTROL SCHEDULE ONLY):

1. PROVIDE DUST MOUNTED SMOKE DETECTORS WHERE SHOWN FOR INSTALLATION ON 1' DRAWINGS. CIRCUIT DETECTORS TO EXISTING FIRE ALARM CONTROL PANEL AS REQUIRED. FIELD VERIFY LOCATION OF EXISTING FIRE ALARM CONTROL PANEL.
2. PROVIDE WEATHERPROOF GFCI RECEPTACLE MOUNTED TO UNIT FOR MAINTENANCE. CIRCUIT RECEPTACLE TO NEAREST, UNSWITCHED 120V POWER SUPPLY (FIELD VERIFY).
3. PROVIDE SHUTDOWN OF EQUIPMENT UPON ACTIVATION OF FIRE ALARM. PROVIDE ASSOCIATED WIRING, RELAYS, ETC. TO THE EXISTING FIRE ALARM CONTROL PANEL AS REQUIRED.
4. PROVIDE CIRCUIT BREAKER TO PROTECT UNIT FROM OVERCURRENT. WIRE TO AND DISCONNECT SWITCH, AND FROM DISCONNECT SWITCH TO EQUIPMENT TERMINAL CONNECTION.
5. UNIT IS FURNISHED WITH INTERNAL LIGHT FIXTURES FOR MAINTENANCE PURPOSES. PROVIDE LIGHT SWITCH (IN WEATHERPROOF ENCLOSURE) AT LIGHTING TERMINAL JUNCTION BOX LOCATED AT UNIT. PROVIDE 120V CIRCUITRY FROM JUNCTION BOX, THRU LIGHT SWITCH, AND BACK TO NEAREST, UNSWITCHED 120V POWER SOURCE (FIELD VERIFY).

OCCUPANCY SENSOR SCHEDULE				
TYPE	DESCRIPTION	MOUNTING	DESIGN BASIS	ACCEPT. MFR'S.
W1	WALL SWITCH DECORATOR SENSOR; MICROPHONE-DUAL TECHNOLOGY; LINE VOLTAGE	WALL MOUNT	SENSOR SWITCH WSP-PDT	ENGINEER APPROVED EQUAL
C1	MICROPHONIC DUAL TECHNOLOGY SENSOR; LOW VOLTAGE;	CEILING MOUNT	SENSOR SWITCH CM-PDT-9	ENGINEER APPROVED EQUAL

GENERAL NOTES:

- A. PROVIDE NECESSARY POWER PACKS FOR LOW-VOLTAGE SENSORS. VERIFY THE NUMBER OF POWER PACKS NEEDED TO PROVIDE A COMPLETE SYSTEM. TO MAINTAIN DRAWING CLARITY, POWER PACKS HAVE NOT BEEN SHOWN.
- B. IF REQUIRED, PROVIDE SENSOR MASKING KITS TO LIMIT COVERAGE OF AREAS. VERIFY WITH OWNER.
- C. VERIFY OCCUPANCY COLOR SELECTION WITH ARCHITECT/ OWNER'S REPRESENTATIVE.

		<b>CONSULTANTS:</b>			<b>ARCHITECT/ENGINEERS:</b>	Drawing Title	Project Title		Project Number	
						PARTIAL ONE LINE POWER DIAGRAM & SCHEDULES	RENOVATE FOR EDUCATION SERVICE AND ADMINISTRATIVE SPACE		628A7-12-732	
									Building Number	
									16	
									Drawing Number	
									E-102	
Revisions:	Date					Approved: Project Director	Location SYRACUSE VAMC		DWG 19 OF 23	
							Date 06/25/2012	Checked CF	Drawn AZH	