

GENERAL SHEET NOTES

1. SEE SIEMENS ELECTRICAL DRAWINGS FOR ELECTRICAL CONTRACTORS ADDITIONAL RESPONSIBILITIES.

SHEET KEYNOTES

1. GROUNDING CONDUCTOR MUST BE THE SAME SIZE AS CURRENT CARRYING CONDUCTOR.
2. PROVIDE EATON POWERWARE 9390IT UNINTERRUPTIBLE POWER SUPPLY. 40 KVA.
3. EATON POWERWARE 9390 TRANSFER SWITCH.
4. CABLING PROVIDED BY EATON, CONTRACTOR INSTALLED.
5. (4) #14 SHIELDED TWISTED PAIR UP TO 500'—0".

CONDUCTOR AND CONDUIT SCHEDULE

SCHEDULE NUMBER

(E.G.) 5 IG

SUBSCRIPT (NOTE 5)

SYM	AMP	CONDUIT SIZE	CONDUCTOR QTY	(NOTE 1) SIZE G	IG	SE	NOTES
1	20	.75	2	12	12	8	2
2	20	.75	3	12	12	8	2,3
3	20	.75	4	12	12	8	2,3
4	30	.75	2	10	10	8	2
5	30	.75	3	10	10	8	2
6	30	.75	4	10	10	8	2
7	40	1	2	8	10	8	6
8	40	1	3	8	10	8	6
9	40	1	4	8	10	8	6
10	55	1	2	6	10	8	4
11	55	1	3	6	10	8	4
12	55	1.25	4	6	10	8	4
13	70	1	2	4	8	4	2
14	70	1.25	3	4	8	4	2
15	70	1.25	4	4	8	4	2
16	85	1.25	2	3	8	3	2
17	85	1.25	3	3	8	3	2
18	85	1.25	4	3	8	3	2
19	95	1.25	3	2	8	2	2
20	95	1.50	4	2	8	2	2
21	130	1.50	3	1	6	2	2
22	130	1.50	4	1	6	2	2
23	150	2	3	1/0	6	2	1/0
24	150	2	4	1/0	6	2	1/0
25	175	2	3	2/0	6	2	2/0
26	175	2	4	2/0	6	2	2/0
27	200	2	3	3/0	6	2	2/0
28	200	2.50	4	3/0	6	2	2/0
29	230	2.50	3	4/0	4	2	2/0
30	230	2.50	4	4/0	4	2	2/0
31	255	2.50	3	250	4	1	2/0
32	255	2.50	4	250	4	1	2/0
33	310	3	3	350	3	1/0	3/0
34	310	3	4	350	3	1/0	3/0
35	380	3.50	3	500	3	3/0	3/0
36	380	4	4	500	3	3/0	3/0
37	400	2 EA 2	3	3/0	3	3/0	3/0
38	400	2 EA 2.50	4	3/0	3	3/0	3/0
39	510	2 EA 2.50	3	250	1	4/0	3/0
40	510	2 EA 3	4	250	1	4/0	3/0
41	620	2 EA 3	3	350	1/0	4/0	3/0
42	620	2 EA 3	4	350	1/0	4/0	3/0
43	760	2 EA 3.50	3	500	1/0	4/0	3/0
44	760	2 EA 4	4	500	1/0	4/0	3/0
45	855	3 EA 3	3	300	2/0	4/0	3/0
46	855	3 EA 3	4	300	2/0	4/0	3/0
47	1000	3 EA 3.50	3	400	2/0	4/0	3/0
48	1000	3 EA 3.50	4	400	2/0	4/0	3/0
49	1140	3 EA 4	3	500	3/0	4/0	3/0
50	1140	3 EA 4	4	500	3/0	4/0	3/0
51	1240	4 EA 3	3	350	3/0	4/0	3/0
52	1240	4 EA 3	4	350	3/0	4/0	3/0
53	1675	5 EA 3.50	4	400	4/0	4/0	4/0
54	2010	6 EA 3.50	4	400	250	250	250
55	2660	7 EA 4	4	500	350	350	350
56	3040	8 EA 4	4	500	500	500	500
57	4180	11 EA 4	4	500	500	500	500
58		5 EA 4					6
59		5					6
60		10 EA 4					6

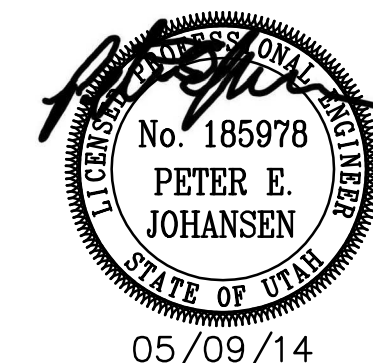
- ### CONDUCTOR AND CONDUIT SCHEDULE NOTES
1. CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE 5. ALL CONDUCTORS SHOWN ARE THIN UNLESS OTHERWISE NOTED.
 2. PROVIDE EQUIPMENT GROUND CONDUCTORS PER TABLE 250-122 WHEN CIRCUIT BREAKERS ARE SIZED GREATER THAN AMPERE RATING SHOWN IN TABLE.
 3. PROVIDE #10 NEUTRALS FOR MULTIWIRE BRANCH CIRCUITS SERVING COMPUTERS.
 4. GROUND (G) CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS.
 5. SYMBOL SUBSCRIPTS:
"IG": INCLUDE IG (INSULATED/ISOLATED GROUND CONDUCTOR) SCHEDULED ALONG WITH GROUND OR EQUIPMENT GROUND CONDUCTOR.
"SE": SUBSTITUTE "SE" CONDUCTOR FOR "IG" CONDUCTOR SHOWN, WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY OF THE SEPARATELY DERIVED SYSTEM.
"2N": INCLUDE TWO NEUTRAL CONDUCTORS, SIZED AS SCHEDULED FOR PHASE AND NEUTRAL CONDUCTORS.
 6. RACEWAY ONLY. CONDUCTORS PROVIDED BY UTILITY.



SPECTRUM
ENGINEERS

324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com

CONSULTANTS



05/09/14

SALT LAKE CITY
VA UPS
FOR ZEGO O.R.

5		
4		
3		
2		
1		
MARK	DATE	DESCRIPTION

ISSUE:
DATE: 05/09/1

PROJECT NO:	2013060
DRAWN BY:	ST
CHECKED BY:	PE
DESIGNED BY:	PE

SIGNATURE:

© 2013 Spectrum Engineers, Inc.

SHEET TITLE
ONE LINE DIAGRAMS

EP601