LP-A1	PANEL SCHEDULE	PROJECT:	SOUTH EAST WTP
120/208V, 3Ph, 4W. 225A BUS	200A M.C.B.	SURFACE MOUNTED	3-Oct-14

	CKT NO	DESCRIPTION/ LOCATION	LOAD (VA)	LOAD TYPE	CB AMP	CB POLE	PHASE	CB AMP	CB POLE	LOAD (VA)	LOAD TYPE	DESCRIPTION/ LOCATION	CKT NO
	1	RECEPTACLES	540	R	20	1	a	20	1	540	R	RECEPTACLES	2
	3	BACKWASH MOTOR HEAT STRIP	200	G	40	2	b	20	1	2,500	G	WTP-PEP-FW1	4
	5	-	5,000	G	-	-	c	20	1	2,500	G	WTP-PEP-FW2	6
	7	WTP-PEP-FW3	2,500	G	20	1	a	20	3	1,200	G	IT ENCLOSURE (BUSINESS)	8
	9	IT ENCLOSURE (CONTROLS)	1,200	G	20	3	b	-	-	1,200	G	IT ENCLOSURE (BUSINESS)	10
	11	IT ENCLOSURE (CONTROLS)	1,200	G	-	-	c	-	-	1,200	G	IT ENCLOSURE (BUSINESS)	12
	13	IT ENCLOSURE (CONTROLS)	1,200	G	-	-	a	20	1		G	SPARE	14
	15	40/42-LIT-1	400	G	20	1	b	20	1	1,500	G	42-AIT-3/4	16
	17	WTP-AC/ACD-4	600	G	20	1	c	20	1	400	G	SECURITY PANEL	18
	19	42-FIT-1	400	G	20	1	a	20	1	400	G	AIT-1	20
	21	42-AIT-2	400	G	20	1	b	20	1		L	SPARE	22
	23	EXIT LIGHTS		L	20	1	c	20	1		L	EXIT LIGHTS	24
	25	RECEPTACLES	1,800	R	20	1	a	20	1	1,800	R	RECEPTACLES	26
	27	RECEPTACLES	1,800	R	20	1	b	20	1		L	LIGHTING	28
	29	LIGHTING		L	20	1	c	20	1		L	SPARE	30
	31	LIGHTING		L	20	1	a	20	1	1,200	G	TRANSFORMER #3 (HEATER AND FAN)	32
+	33	HTS-17 HEAT TRACE	200		20	1	b						34
	35	GFCI			-	-	c						36
+	37	HTS-18 HEAT TRACE	200		20	1	a	**	3			SPD/TVSS	38
	39	GFCI			-	-	b						40
	41						c						42

TOT CONN LOAD:	Ph A	11,780 VA	98 A		
TOT CONN LOAD:	Ph B	9,400 VA	78 A		10,000 A RMS AVAILABLE FAULT DUTY
TOT CONN LOAD:	Ph C	10,900 VA	91 A		
"MAX" PHASE CONN LOAD:	Ph A	11,780 VA			
TOTAL CONNECTED LOAD (3 X MAX):		35.3 KVA	98.2 AMPS	TOTAL DEMAND LOAD:	31.7 KVA 88.0 AMPS

LP-A1
PANEL SCHEDULE

SCALE: N/A

PROVIDE PANEL WITH SUB-FEED LUGS

** SIZE BREAKER PER SPD/TVSS MANUFACTURER RECOMMENDATION

\+ PROVIDE GFCI BREAKER

TETRA TECH
www.tetratech.com
101 QUALITY CIRCLE, SUITE 140
HUNTSVILLE, ALABAMA 35806
PHONE: (256) 424-4077 FAX: (256) 424-4097

BID SET

ALABAMA LICENSED No. 21938 PROFESSIONAL ENGINEER DAVID BRYAN ANDREW SUMNER 10/17/14

MARK	DATE	DESCRIPTION	BY

HUNTSVILLE UTILITIES
SOUTHEAST WATER TREATMENT PLANT

LOW VOLTAGE PANEL SCHEDULE

Project No.:	200-11740-10003
Designed By:	CSW
Drawn By:	TAC
Checked By:	DAB

E-4605

Copyright: Tetra Tech

Bar Measures 1 inch

10/17/2014 11:00:39 AM P:\IER\11740\200-11740-10003\CAD\SHEETFILES\TREATMENT PLANT\WTP E-4604 LOW VOLTAGE ONE LINE LP-A LUMINAIRE.DWG - CALZARETTA, TIMOTHY