

EPP-1		PANEL SCHEDULE										PROJECT: SOUTH EAST WTP	
277/480V, 3Ph, 4W.		225A BUS			225A M.C.B.			SURFACE MOUNTED				22-Sep-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	ELP-1 VIA TRANSFORMER MFR	15,000		125	3	a	20	1			SPARE	2	
3		15,000				b	20	1			SPARE	4	
5		15,000				c	20	1			SPARE	6	
7	LIGHTING, STAIRS/LOBBY	500	L	20	1	a	20	1	946	L	LIGHTING, SECOND FLOOR LABS	8	
9	LIGHTING, FIRST FLOOR	1,443	L	20	1	b	20	1	1,225	L	LIGHTING, SECOND FLOOR OFFICES	10	
11	LIGHTING, FIRST FLOOR	1,872	L	20	1	c	20	1	541	L	LIGHTING, SECOND FLOOR	12	
13	LIGHTING, CORRIDOR & BLOWER RM	1,555	L	20	1	a	30	3	3,500	L	LC-2A	14	
15						b			3,500			16	
17						c			3,500			18	
19						a						20	
21						b						22	
23						c						24	
25						a						26	
27						b						28	
29						c						30	
31						a						32	
33						b						34	
35						c						36	
37						a						38	
39						b						40	
41						c						42	

TOT CONN LOAD: Ph A 25,944 VA 94 A  
 TOT CONN LOAD: Ph B 21,168 VA 76 A  
 TOT CONN LOAD: Ph C 20,913 VA 75 A  
 "MAX" PHASE CONN LOAD: Ph A 25,944 VA  
 TOTAL CONNECTED LOAD (3 X MAX) 51.9 KVA 144.0 AMPS

TOTAL DEMAND LOAD: 51.9 KVA 144.0 AMPS

22,000 A RMS AVAILABLE FAULT DUTY

**EPP-1  
PANEL SCHEDULE**

SCALE: NA

ELP-2		PANEL SCHEDULE										PROJECT: SOUTH EAST WTP	
120/208V, 3Ph, 4W.		100A BUS			100A M.C.B.			SURFACE MOUNTED				16-Sep-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	WTP-PP-2A1	1,200	G	20	3	a	20	3	1,200	G	IT ENCLOSURE (WTP-PP-2A1)	2	
3		1,200	G	-	-	b	-	-	1,200	G		4	
5		1,200	G	-	-	c	-	-	1,200	G		6	
7	SPARE	1,200	G	20	3	a	20	1	600	C	ACCESS CONTROL	8	
9		1,200	G	-	-	b	20	1	600	C	ACCESS CONTROL (WTP-AC-ACD-3)	10	
11		1,200	G	-	-	c	20	1	500	C	SPARE	12	
13						a						14	
15						b						16	
17						c						18	
19						a						20	
21						b						22	
23						c						24	
25						a						26	
27						b						28	
29						c						30	
31						a						32	
33						b						34	
35						c						36	
37						a	**	3			SPD/TVSS	38	
39						b						40	
41						c						42	

TOT CONN LOAD: Ph A 4,200 VA 35 A  
 TOT CONN LOAD: Ph B 4,200 VA 35 A  
 TOT CONN LOAD: Ph C 4,100 VA 34 A  
 "MAX" PHASE CONN LOAD: Ph A 4,200 VA  
 TOTAL CONNECTED LOAD (3 X MAX) 12.6 KVA 35.0 AMPS

TOTAL DEMAND LOAD: 12.9 KVA 35.9 AMPS

10,000 A RMS AVAILABLE FAULT DUTY

**ELP-2  
PANEL SCHEDULE**

SCALE: NA

\*\* SIZE BREAKER PER SPD/TVSS  
MANUFACTURER RECOMMENDATION

ELP-1		PANEL SCHEDULE										PROJECT: SOUTH EAST WTP	
120/208V, 3Ph, 4W.		200A BUS			150A M.C.B.			SURFACE MOUNTED				22-Sep-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	ELP-2	4,500		100	3	a	100	3	8,700		ELP-3	2	
3		4,500				b			8,700			4	
5		4,500				c			8,700			6	
7						a						8	
9						b						10	
11						c						12	
13						a						14	
15						b						16	
17						c						18	
19						a						20	
21						b						22	
23						c						24	
25						a						26	
27						b						28	
29						c						30	
31						a						32	
33						b						34	
35						c						36	
37						a						38	
39						b						40	
41						c						42	

TOT CONN LOAD: Ph A 13,200 VA 110 A  
 TOT CONN LOAD: Ph B 13,200 VA 110 A  
 TOT CONN LOAD: Ph C 13,200 VA 110 A  
 "MAX" PHASE CONN LOAD: Ph A 13,200 VA  
 TOTAL CONNECTED LOAD (3 X MAX) 39.6 KVA 110.0 AMPS

TOTAL DEMAND LOAD: 39.6 KVA 110.0 AMPS

10,000 A RMS AVAILABLE FAULT DUTY

**ELP-1  
PANEL SCHEDULE**

SCALE: NA

ELP-3		PANEL SCHEDULE										PROJECT: SOUTH EAST WTP	
120/208V, 3Ph, 4W.		100A BUS			100A 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	IT ENCLOSURE (WTP-PP-2A2)	1,200	G	20	3	a	20	3	1,200	G	IT ENCLOSURE (WTP-PP-2A2)	2	
3		1,200	G	-	-	b	-	-	1,200	G		4	
5		1,200	G	-	-	c	-	-	1,200	G		6	
7	WTP-PP-2B	1,200	G	20	3	a	20	3	1,200	G	WTP-CS	8	
9		1,200	G	-	-	b	-	-	1,200	G		10	
11		1,200	G	-	-	c	-	-	1,200	G		12	
13	WTP-BS	1,200	G	20	3	a	20	1	600	C	ACCESS CONTROL WPT-DC (ACD-2)	14	
15		1,200	G	-	-	b	20	1	600	C	ACCESS CONTROL	16	
17		1,200	G	-	-	c	20	1	500	C	FIRE ALARM CONTROL PANEL	18	
19	RECEPTACLES: CONTROL LAB A FLOOR	360	R	20	1	a	20	1	500	C	SPARE	20	
21	RECEPTACLES: GENERAL LABS	720	R	20	1	b	20	1	360	R	RECEPTACLES: TRAINING RM	22	
23	RECEPTACLE: CONTROL LAB FRIDGE	500	R	20	1	c	20	1	900	R	RECEPTACLES: PRIVATE OFFICE	24	
25	RECEPTACLE: CONTROL LAB FRIDGE	500	R	20	1	a	20	1	500	R	RECEPTACLES: DI WATER SYSTEM	26	
27	RECEPTACLES: CONTROL LAB B FLOOR	360	R	20	1	b	20	1	500	C	SPARE	28	
29						c	20	1	100	C	SECURITY SYSTEM	30	
31						a	20	1	100	C	SECURITY SYSTEM	32	
33						b	20	1	100	C	SECURITY SYSTEM	34	
35						c	20	1	100	C	SECURITY SYSTEM	36	
37						a	**	3			SPD/TVSS	38	
39						b						40	
41						c						42	

TOT CONN LOAD: Ph A 8,560 VA 71 A  
 TOT CONN LOAD: Ph B 8,640 VA 72 A  
 TOT CONN LOAD: Ph C 8,000 VA 67 A  
 "MAX" PHASE CONN LOAD: Ph B 8,640 VA  
 TOTAL CONNECTED LOAD (3 X MAX) 25.9 KVA 72.0 AMPS

TOTAL DEMAND LOAD: 26.0 KVA 72.1 AMPS

10,000 A RMS AVAILABLE FAULT DUTY

**ELP-3  
PANEL SCHEDULE**

SCALE: NA

\*\* SIZE BREAKER PER SPD/TVSS  
MANUFACTURER RECOMMENDATION

10/17/2014 10:56:59 AM P:\ER11740\200-11740-10003\CAD\SHEETFILES\TREATMENT PLANT\WTP-E-2601 LOW VOLTAGE ONE LINE LP-B LUMINAIRE.DWG - CALZARETTA, TIMOTHY



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

BID SET



BY

DESCRIPTION

DATE

MARK

DATE

MARK

HUNTSVILLE UTILITIES  
 SOUTHEAST WATER TREATMENT PLANT

PANEL SCHEDULES

Project No.: 200-11740-10003

Designed By: CSW

Drawn By: CSW

Checked By: DAB

**E-2604**

Bar Measures 1 inch

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