

PP-B1		PANEL SCHEDULE										PROJECT: SOUTH EAST WTP	
277/480V, 3Ph, 4W.		225ABUS		M.L.O.			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	DH-2-1	9,640	H	45	3	a	25	3	5,208	M	CU-2-1	2	
3	-	9,640	H	-	-	b	-	-	5,208	M	-	4	
5	-	9,640	H	-	-	c	-	-	5,208	M	-	6	
7	DH-2-2	9,640	H	45	3	a	25	3	4,654	M	CU-2-2 (CIRCUIT 1)	8	
9	-	9,640	H	-	-	b	-	-	4,654	M	-	10	
11	-	9,640	H	-	-	c	-	-	4,654	M	-	12	
13	DH-2-3	9,640	H	45	3	a	25	3	5,319	M	CU-2-2 (CIRCUIT 2)	14	
15	-	9,640	H	-	-	b	-	-	5,319	M	-	16	
17	-	9,640	H	-	-	c	-	-	5,319	M	-	18	
19	OVERHEAD DOOR P101B	3,000	M	20	3	a	20	3	3,500	L	LC-2B	20	
21	-	3,000	M	-	-	b	-	-	3,500	L	-	22	
23	-	3,000	M	-	-	c	-	-	3,500	L	-	24	
25	OVERHEAD DOOR P101C	3,000	M	20	3	a	20	3	3,000	M	OVERHEAD DOOR P101D	26	
27	-	3,000	M	-	-	b	-	-	3,000	M	-	28	
29	-	3,000	M	-	-	c	-	-	3,000	M	-	30	
31	OVERHEAD DOOR P101E	3,000	M	20	3	a	-	-	-	-	-	32	
33	-	3,000	M	-	-	b	-	-	-	-	-	34	
35	-	3,000	M	-	-	c	-	-	-	-	-	36	
37	-	-	-	-	-	a	**	3	-	-	SPD/TVSS	38	
39	-	-	-	-	-	b	-	-	-	-	-	40	
41	-	-	-	-	-	c	-	-	-	-	-	42	
TOT CONN LOAD:	Ph A	59,601 VA		215 A									
TOT CONN LOAD:	Ph B	59,601 VA		215 A							10,000 A RMS AVAILABLE FAULT DUTY		
TOT CONN LOAD:	Ph C	59,601 VA		215 A									
"MAX" PHASE CONN LOAD:	Ph A	59,601 VA											
TOTAL CONNECTED LOAD (3 X MAX):		178.8 KVA		215.1 AMPS					TOTAL DEMAND LOAD:	181.4 KVA	218.2 AMPS		

**PP-B1
PANEL SCHEDULE**
SCALE: N/A

** SIZE BREAKER PER SPD/TVSS
MANUFACTURER RECOMMENDATION

PP-B2		PANEL SCHEDULE										PROJECT: SOUTH EAST WTP	
277/480V, 3Ph, 4W.		225ABUS		M.L.O.			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	CU-2-3	5,817	M	30	3	a	20	3	3,047	M	CU-2-4	2	
3	-	5,817	M	-	-	b	-	-	3,047	M	-	4	
5	-	5,817	M	-	-	c	-	-	3,047	M	-	6	
7	EUH-2-1	1,667	M	15	3	a	15	3	582	M	EF-2-5	8	
9	-	1,667	M	-	-	b	-	-	582	M	-	10	
11	-	1,667	M	-	-	c	-	-	582	M	-	12	
13	EF-2-6	582	H	15	3	a	15	3	1,330	H	EF-2-7	14	
15	-	582	H	-	-	b	-	-	1,330	H	-	16	
17	-	582	H	-	-	c	-	-	1,330	H	-	18	
19	LIGHTING	1,888	L	20	1	a	20	1	700	L	SPARE	20	
21	LIGHTING	1,888	L	20	1	b	20	1	1,770	L	LIGHTING	22	
23	LIGHTING	1,770	L	20	1	c	20	1	826	L	LIGHTING	24	
25	OVERHEAD DOOR C100B	3,900	M	20	3	a	20	3	3,900	M	OVERHEAD DOOR C101B	26	
27	-	3,900	M	-	-	b	-	-	3,900	M	-	28	
29	-	3,900	M	-	-	c	-	-	3,900	M	-	30	
31	OVERHEAD DOOR C104A	3,900	M	20	3	a	-	-	-	-	-	32	
33	-	3,900	M	-	-	b	-	-	-	-	-	34	
35	-	3,900	M	-	-	c	-	-	-	-	-	36	
37	HEAT TRACE PANEL XFMR	5,000	-	90	3	a	**	3	-	-	SPD/TVSS	38	
39	-	5,000	-	-	-	b	-	-	-	-	-	40	
41	-	5,000	-	-	-	c	-	-	-	-	-	42	
TOT CONN LOAD:	Ph A	32,313 VA		117 A									
TOT CONN LOAD:	Ph B	33,383 VA		120 A							10,000 A RMS AVAILABLE FAULT DUTY		
TOT CONN LOAD:	Ph C	32,321 VA		117 A									
"MAX" PHASE CONN LOAD:	Ph B	33,383 VA											
TOTAL CONNECTED LOAD (3 X MAX):		100.1 KVA		120.5 AMPS					TOTAL DEMAND LOAD:	85.2 KVA	102.5 AMPS		

**PP-B2
PANEL SCHEDULE**
SCALE: N/A

** SIZE BREAKER PER SPD/TVSS
MANUFACTURER RECOMMENDATION

PP-B3		PANEL SCHEDULE										PROJECT: SOUTH EAST WTP	
277/480V, 3Ph, 4W.		225ABUS		M.L.O.			SURFACE MOUNTED					17-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	MAU-2-1	12,797	M	60	3	a	20	3	4,903	M	MAU-2-2	2	
3	-	12,797	M	-	-	b	-	-	4,903	M	-	4	
5	-	12,797	M	-	-	c	-	-	4,903	M	-	6	
7	EF-2-1	1,330	M	15	3	a	15	3	831	M	EF-2-4	8	
9	-	1,330	M	-	-	b	-	-	831	M	-	10	
11	-	1,330	M	-	-	c	-	-	831	M	-	12	
13	EF-2-11	582	M	15	3	a	15	3	433	M	EF-2-12	14	
15	-	582	M	-	-	b	-	-	433	M	-	16	
17	-	582	M	-	-	c	-	-	433	M	-	18	
19	ERV-2-1	3,776	M	20	3	a	-	-	3	-	SPACE	20	
21	-	3,776	M	-	-	b	-	-	-	-	-	22	
23	-	3,776	M	-	-	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	24,652 VA		89 A									
TOT CONN LOAD:	Ph B	24,652 VA		89 A							10,000 A RMS AVAILABLE FAULT DUTY		
TOT CONN LOAD:	Ph C	24,652 VA		89 A									
"MAX" PHASE CONN LOAD:	Ph A	24,652 VA											
TOTAL CONNECTED LOAD (3 X MAX):		74.0 KVA		89.0 AMPS					TOTAL DEMAND LOAD:	74.0 KVA	89.0 AMPS		

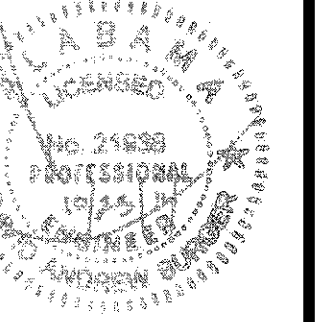
**PP-B3
PANEL SCHEDULE**
SCALE: N/A

** SIZE BREAKER PER SPD/TVSS
MANUFACTURER RECOMMENDATION



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BID SET



BY

MARK

DATE

HUNTSVILLE UTILITIES
SOUTHEAST WATER TREATMENT PLANT

PANEL SCHEDULES

Project No.: 200-11740-10003

Designed By: CSW

Drawn By: CSW

Checked By: DAB

E-2602

Bar Measures 1 inch

10/17/2014 10:58:49 AM P:\IER\1740\200-11740-10003\CAD\SHEETFILES\TREATMENT PLANT\WTP-E-2601 LOW VOLTAGE ONE LINE LP-B LUMINAIRE.DWG - CALZARETTA, TIMOTHY