8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

ELECTRICAL PANELBOARD SCHEDULE

PANEL: MTF-PNL-A
VOLTAGE: 480V, 3PH, 3W
BUS SIZE: 800 A
MAINS: MAIN LUGS ONLY

LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
FED FROM: MTF-MCC-A
MAIN TYPE: COPPER
AIC RATING: 22,000 A

CIRCUIT TITLE	BREAKER CKT NO.	BREAKER AMP	BREAKER POLE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	LOAD TYPE	LOAD TYPE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	BREAKER POLE	BREAKER AMP	CKT NO.	CIRCUIT TITLE
CHEM PBU 511, 512, 513 A	1	20	3	914			M	H	1,667			3	15	2	IR-1A
-	3	-	-		914		M	H		1,667		-	-	4	-
-	5	-	-			914	M	H			1,667	-	-	6	-
A FLTR VALVES	7	20	3	1,333			M	H	1,667			3	15	8	IR-1B
-	9	-	-		1,333		M	H		1,667		-	-	10	-
-	11	-	-			1,333	M	H			1,667	-	-	12	-
D FLTR VALVES	13	20	3	1,333			M	H	1,667			3	15	14	IR-1C
-	15	-	-		1,333		M	H		1,667		-	-	16	-
-	17	-	-			1,333	M	H			1,667	-	-	18	-
SLDP VALVES 700, 701, 704, 705	19	20	3	667			M	M	22,144			3	100	20	CU-4
-	21	-	-		667		M	M		22,144		-	-	22	-
-	23	-	-			667	M	M			22,144	-	-	24	-
FLPS-SHWR-525-HEATER	25	20	3	1,000			H	M	4,430			3	25	26	CU-2A
-	27	-	-		1,000		H	M		4,430		-	-	28	-
-	29	-	-			1,000	H	M			4,430	-	-	30	-
531 METERING PUMP ENCLOSURE HTR	31	20	3	1,000			H	M	4,430			3	25	32	CU-2B
-	33	-	-		1,000		H	M		4,430		-	-	34	-
-	35	-	-			1,000	H	M			4,430	-	-	36	-
ROLL UP DOOR (RUD-1)	37	20	3	1,200			M	-	0			3	35	38	SPARE
-	39	-	-		1,200		M	-		0		-	-	40	-
-	41	-	-			1,200	M	-			0	-	-	42	-
CAIR-C-800-A	43	30	3	5,828			M	-	0			3	25	44	SPARE
-	45	-	-		5,828		M	-		0		-	-	46	-
-	47	-	-			5,828	M	-			0	-	-	48	-
SPARE	49	20	3	0			-	-	0			-	-	50	SPACE
-	51	-	-		0		-	-		0		-	-	52	SPACE
-	53	-	-			0	-	-			0	-	-	54	SPACE
SPACE	55	-	-	0			-	-	0			-	-	56	SPACE
-	57	-	-		0		-	-		0		-	-	58	SPACE
-	59	-	-			0	-	-			0	-	-	60	SPACE
TOTAL LOAD				13275	13275	13275			36004	36004	36004				

PHASE A LOAD (VA) 49,279
PHASE B LOAD (VA) 49,279
PHASE C LOAD (VA) 49,279
TOTAL LOAD (VA) = 147,837 Demand Load 100% 147.8 KVA
178 AMPS

ELECTRICAL PANELBOARD SCHEDULE

PANEL: MTF-PNL-B
VOLTAGE: 480V, 3PH, 3W
BUS SIZE: 800 A
MAINS: MAIN LUGS ONLY

LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
FED FROM: MTF-MCC-B
MAIN TYPE: COPPER
AIC RATING: 22,000 A

CIRCUIT TITLE	BREAKER CKT NO.	BREAKER AMP	BREAKER POLE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	LOAD TYPE	LOAD TYPE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	BREAKER POLE	BREAKER AMP	CKT NO.	CIRCUIT TITLE
CHEM PBU 511, 512, 513 B	1	20	3	914			-	H	1,667			3	15	2	IR-1D
-	3	-	-		914		-	H		1,667		-	-	4	-
-	5	-	-			914	-	H			1,667	-	-	6	-
B FLTR VALVES	7	20	3	1,333			M	M	29,618			3	125	8	AHU-3
-	9	-	-		1,333		M	M		29,618		-	-	10	-
-	11	-	-			1,333	M	M			29,618	-	-	12	-
E FLTR VALVES	13	20	3	1,333			M	M	5,038			3	35	14	AHU-5
-	15	-	-		1,333		M	M		5,038		-	-	16	-
-	17	-	-			1,333	M	M			5,038	-	-	18	-
SLDP VALVES	19	20	3	500			M	M	22,144			3	100	20	CU-1
-	21	-	-		500		M	M		22,144		-	-	22	-
-	23	-	-			500	M	M			22,144	-	-	24	-
SPARE	25	20	3	0			-	M	19,376			3	70	26	CU-3
-	27	-	-		0		-	M		19,376		-	-	28	-
-	29	-	-			0	-	M			19,376	-	-	30	-
SPARE	31	20	3	0			-	M	1,663			3	15	32	CU-5
-	33	-	-		0		-	M		1,663		-	-	34	-
-	35	-	-			0	-	M			1,663	-	-	36	-
WH-1	37	50	3	5,000			WH	M	2,100			3	20	38	SF-2
-	39	-	-		5,000		WH	M		2,100		-	-	40	-
-	41	-	-			5,000	WH	M			2,100	-	-	42	-
CAIR-C-800-B	43	30	3	5828			M	M	1,663			3	15	44	CU-6
-	45	-	-		5828		M	M		1,663		-	-	46	-
-	47	-	-			5,828	M	M			1,663	-	-	48	-
SPACE	49	-	-	0			-	M	5,038			3	35	50	AHU-6
-	51	-	-		0		-	M		5,038		-	-	52	-
-	53	-	-			0	-	M			5,038	-	-	54	-
	55	-	-				-	H	1,667			3	15	56	IR-1E
	57	-	-				-	H		1,667		-	-	58	-
	59	-	-				-	H			1,667	-	-	60	-
	61	-	-				-							62	
	63	-	-				-							64	
	65	-	-				-							66	
	67	-	-				-							68	
	69	-	-				-							70	
	71	-	-				-							72	
TOTAL LOAD				14908	14908	14908			89974	89974	89974				

PHASE A LOAD (VA) 104,882
PHASE B LOAD (VA) 104,882
PHASE C LOAD (VA) 104,882
TOTAL LOAD (VA) = 314,645 Demand Load 101% 318.4 KVA
383 AMPS

ELECTRICAL PANELBOARD SCHEDULE

PANEL: MTF-PNL-C
VOLTAGE: 480V, 3PH, 3W
BUS SIZE: 800 A
MAINS: MAIN LUGS ONLY

LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
FED FROM: MTF-MCC-C
MAIN TYPE: COPPER
AIC RATING: 22,000 A

CIRCUIT TITLE	BREAKER CKT NO.	BREAKER AMP	BREAKER POLE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	LOAD TYPE	LOAD TYPE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	BREAKER POLE	BREAKER AMP	CKT NO.	CIRCUIT TITLE
CHEM PBU 511, 512 C	1	20	3	610			M	U	1,667			3	50	2	MTF-UPS-C
-	3	-	-		610		M	U		7,185		-	-	4	-
-	5	-	-			610	M	U			7,927	-	-	6	-
C FLTR VALVES	7	20	3	1,333			M	M	831			3	20	8	CF-1
-	9	-	-		1,333		M	M		831		-	-	10	-
-	11	-	-			1,333	M	M			831	-	-	12	-
F FLTR VALVES	13	20	3	1,333			M	M	2,100			3	20	14	SF-1
-	15	-	-		1,333		M	M		2,100		-	-	16	-
-	17	-	-			1,333	M	M			2,100	-	-	18	-
SLDP VALVES	19	20	3	500			M	M	9,422			3	70	20	EF-1
-	21	-	-		500		M	M		9,422		-	-	22	-
-	23	-	-			500	M	M			9,422	-	-	24	-
SPARE	25	20	3	0			-	M	831			3	20	26	EF-2A
-	27	-	-		0		-	M		831		-	-	28	-
-	29	-	-			0	-	M			831	-	-	30	-
SPARE	31	20	3	0			-	M	831			3	20	32	EF-2B
-	33	-	-		0		-	M		831		-	-	34	-
-	35	-	-			0	-	M			831	-	-	36	-
WH-2	37	20	3	1,333			WH	M	0			3	20	38	EF-3
-	39	-	-		1,333		WH	M		0		-	-	40	-
-	41	-	-			1,333	WH	M			0	-	-	42	-
ROLL UP DOOR (RUD-2)	43	20	3	1,200			M	-	0			3	20	44	SPARE
-	45	-	-		1,200		M	-		0		-	-	46	-
-	47	-	-			1,200	M	-			0	-	-	48	-
IR-1F	49	15	3	1,667			H	-	0			-	-	50	SPACE
-	51	-	-		1,667		H	-		0		-	-	52	-
-	53	-	-			1,667	H	-			0	-	-	54	-
IR-1G	55	15	3	1,667			H	-	0			-	-	56	SPACE
-	57	-	-		1,667		H	-		0		-	-	58	-
-	59	-	-			1,667	H	-			0	-	-	60	-
TOTAL LOAD				9642	9642	9642			15682	21200	21942				

PHASE A LOAD (VA) 25,324
PHASE B LOAD (VA) 30,842
PHASE C LOAD (VA) 31,584
TOTAL LOAD (VA) = 87,751 Demand Load 100% 87.8 KVA
106 AMPS

ELECTRICAL PANELBOARD SCHEDULE

PANEL: MTF-PNL-A1
VOLTAGE: 208/120V 3PH, 4W
BUS SIZE: 200A
MAINS: 200 A MAIN BREAKER

LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
FED FROM: MTF-TR-A1
MAIN TYPE: COPPER
AIC RATING: 10,000 A

CIRCUIT TITLE	BREAKER CKT NO.	BREAKER AMP	BREAKER POLE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	LOAD TYPE	LOAD TYPE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	BREAKER POLE	BREAKER AMP	CKT NO.	CIRCUIT TITLE
PARKING/ROAD LTS	1	20	1	1,072			L	M	500			1	20	2	GATE MOTOR
PARKING/ROAD LTS	3	20	1		1,206		L	M		500		1	20	4	-
LOWER AREA A LTS	5	20	1			1,404	L	M			500	1	20	6	GATE MOTOR
LOWER AREA B LTS (LCP-1 E)	7	20	1	981			L	M	500			1	20	8	-
WALKWAY LTS (LCP-1 G)	9	20	1		459		L	C		500		1	20	10	GATE CONTROL
TANK LTS (LCP-1 H)	11	20	1			252	L	C			500	1	20	12	GATE CONTROL
LOWER AREA B RCPTS	13	20	1	900			R	R	360			1	20	14	LOWER AREA A RCPTS
LOWER AREA B LTS (LCP-1 j)	15	20	1		1,308		L	L		1,434		1	20	16	MIDDLE AREA B LTS
LOWER AREA B LTS (LCP-1 E)	17	20	1			981	L	R			540	1	20	18	MIDDLE AREA B RCPTS
UPPER AREA B LTS	19	20	1	882			L	R	360			1	20	20	UPPER AREA B RCPTS
SAFETY SHOWERS 520, 525	21	20	1		400		G	L		819		1	20	22	UPPER AREA B LTS
SAFETY SHOWERS 526, 535	23	20	1			400	G	C			250	1	20	24	MTF-LCP-1
SPARE	25	20	1	0			-	M	1,176			1	20	26	DEDICATED SUMP PUMP RCPT
UNIT HEATER, EU-1	27	30	3		2,880		H	H		750		2	15	28	EH-2
-	29	-	-			2,880	H	H			750	-	-	30	-
-	31	-	-	2,880			H	H	750			2	15	32	EH-3
UNIT HEATER, EU-2	33	30	3		2,880		H	H		750		-	-	34	-
-	35	-	-			2,880	H	L			1,308	1	20	36	LOWER AREA B LTS (LCP-1 K)
-	37	-	-	2,880			H	L	216			1	20	38	EXTERIO BLDG LTS
CHEM-P-531-A	39	20	1		1,656		M	-		0		1	20	40	SPARE
CHEM-P-520-A	41	20	1			1,176	M	-			0	1	20	42	SPARE
CHEM-P-512-A	43	20	1	1,176			M	-	0			1	20	44	SPARE
CHEM-P-511-A	45	20	1		1,176		M	-		0		-	-	46	SPACE
CHEM-P-513-A	47	20	1			864	M	-			0	-	-	48	SPACE
CHEM-P-500-A	49	20	1	864			M	-	0			-	-	50	SPACE
CHEM-P-500-B	51	20	1		864		M	-		0		-	-	52	SPACE
CHEM-P-540-A	53	30	1			2,400	M	-			0	-	-	54	SPACE
CHEM-P-540-B	55	30	1	2,400			M	-	0			3	30	56	SPD
CHEM-P-550-A	57	20	1		864		M	-		0		-	-	58	-
SPACE	59	-	-			0	-	-			0	-	-	60	-
TOTAL LOAD				14035	13693	13237			3862	4753	3848				

PHASE A LOAD (VA) 17,897
PHASE B LOAD (VA) 18,446
PHASE C LOAD (VA) 17,085
TOTAL LOAD (VA) = 53,428 Demand Load 100% 53.4 KVA
148 AMPS

ELECTRICAL PANELBOARD SCHEDULE

PANEL: MTF-PNL-B1
VOLTAGE: 208/120V 3PH, 4W
BUS SIZE: 200A
MAINS: 200 A MAIN BREAKER

LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
FED FROM: MTF-TR-B1
MAIN TYPE: COPPER
AIC RATING: 10,000 A

CIRCUIT TITLE	BREAKER CKT NO.	BREAKER AMP	BREAKER POLE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	LOAD TYPE	LOAD TYPE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	BREAKER POLE	BREAKER AMP	CKT NO.	CIRCUIT TITLE
LOWER AREA C LTS	1	20	1	981			L	L	0			1	20	2	SPARE
LOWER AREA C LTS	3	20	1		981		L	L		0		1	20	4	SPARE
LOWER AREA C LTS	5	20	1			1,090	L	L			0	1	20	6	SPARE
LOWER AREA C RCPTS	7	20	1	720			R	L	1,090			1	20	8	LOWER AREA D LTS
LOWER AREA C LTS	9	20	1		872		L	L		1,090		1	20	10	LOWER AREA D LTS
LOWER AREA D RCPTS	11	20	1			540	R	L			1,090	1	20	12	LOWER AREA D LTS
OFFICE, RESTROOM LTS	13	20	1	156			L	R	540			1	20	14	LOWER AREA D RCPTS
OFFICE, RESTROOM RCPTS	15	20	1		720		R	L		1,090		1	20	16	LOWER AREA D LTS
OFFICE, MECH, ELECT RM LTS	17	20	1			324	L	R			360	1	20	18	LOWER AREA D RCPTS
MECH, ELECT, BAY RCPTS	19	20	1	720			R	L	1,090			1	20	20	LOWER AREA D LTS
OFFICE RCPTS	21	20	1		720		R	R		540		1	20	22	LOWER AREA C RCPTS
EH-1	23	15	2			750	H	H			750	2	15	24	EH-4
-	25	-	-	750			H	H	750			-	-	26	-
RCP-2	27	20	1		50		M	M		50		1	20	28	RCP-1
SAFETY SHOWER	29	20	1			80	C	R			180	1	20	30	FIRE RISER ROOM RCPT
MC-1A, MC-1B	31	20	1	1,392			M	M	3,420			3	35	32	AHU-5
MC-1C, MC-1D	33	20	1		1,392		M	M		3,420		-	-	34	-
MC-2A	35	20	1			700	M	M			3,420	-	-	36	-
MC-2B	37	20	1	700			M	M	1,176			1	20	38	DEDICATED SUMP PUMP RCPT
MC-2C	39	20	1		700		M	WH		1,650		1	20	40	WATER HEATER - RESTROOM
CHEM-P-531-B	41	20	1			1,656	M	WH			1,650	1	20	42	WATER HEATER - LAB SINK
CHEM-P-520-B	43	20	1	1,176			M	WH	1,650			1	20	44	WATER HEATER - SERVICE SINK
CHEM-P-512-B	45	20	1		1,176		M	M		1,200		1	20	46	EF-5, EF-6, EF-7, EF-8
CHEM-P-511-B	47	20	1			1,176	M	H			750	2	15	48	EH-2
CHEM-P-513-B	49	20	1	864			M	H	750			-	-	50	-
CHEM-P-500-C	51	20	1		864		M	H		750		2	15	52	EH-3
CHEM-P-500-D	53	20	1			864	M	H			750	-	-	54	-
CHEM-P-540-C	55	30	1	2,400			M					1		56	SPACE
CHEM-P-540-D	57	30	1		2,400		M					1		58	SPACE
CHEM-P-550-B	59	20	1			864	M					1		60	SPACE
SPARE	61	20	1									1	20	62	SPARE
SPARE	63	20	1									1	20	64	SPARE
SPARE	65	20	1									1	20	66	SPARE
SPARE	67	20	1									1	20	68	SPARE
SPARE	69	20	1									1	20	70	SPARE
SPARE	71	20	1									1	20	72	SPARE
SPARE	73	20	1									1	20	74	SPARE
SPARE	75	20	1									1	20	76	SPARE
SPARE	77	20	1									1	20	78	SPARE
SPACE	79		1					-	0			3	30	80	SPD
SPACE	81		1					-		0		-	-	82	-
SPACE	83		1					-			0	-	-	84	-
TOTAL LOAD				9859	9875	8044			10466	9790	8950				

PHASE A LOAD (VA) 20,325
PHASE B LOAD (VA) 19,665
PHASE C LOAD (VA) 16,994
TOTAL LOAD (VA) = 56,984 Demand Load 102% 58.2 KVA
161 AMPS

ELECTRICAL PANELBOARD SCHEDULE

PANEL: MTF-PNL-C1
VOLTAGE: 208/120V 3PH, 4W
BUS SIZE: 200A
MAINS: 200 A MAIN BREAKER

LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
FED FROM: MTF-TR-C1
MAIN TYPE: COPPER
AIC RATING: 10,000 A

CIRCUIT TITLE	BREAKER CKT NO.	BREAKER AMP	BREAKER POLE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	LOAD TYPE	LOAD TYPE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	BREAKER POLE	BREAKER AMP	CKT NO.	CIRCUIT TITLE
RCPTS ELECT RM	1	20	1	540			R	C	500			1	20	2	FACP (NOTE 1)
RCPTS ELECT RM	3	20	1		540		R	L		1,225		1	20	4	LTS HIGH BAY
RCPTS COMP/HVAC RM	5	20	1			720	R	L			1,225	1	20	6	LTS HIGH BAY
RCPTS COMP/HVAC RM	7	20	1	720			R	L	980			1	20	8	LTS HIGH BAY
UPPER AREA C LTS	9	20	1		1,635		L	L		1,199		1	20	10	LTS MEZZANINE
UPPER AREA C LTS	11	20	1			654	L	L			630	1	20	12	LTS ELECT RM
UPPER AREA C LTS	13	20	1	1,635			L	L	630			1	20	14	LTS COMP/HVAC RM
UPPER AREA C RCPTS	15	20	1		540		R	L		714		1	20	16	LTS COMP/HVAC RM
UPPER AREA C LTS	17	20	1			327	L	L			735	1	20	18	UPPER AREA C LTS
UPPER AREA C RCPTS	19	20	1	720			R	G	600			1	20	20	SAFETY SHOWERS 400, 401, 402
CF-2A, CF-2B, CF-2C	21	20	1		2,000		M	G		400		1	20	22	SAFETY SHOWERS 600, 601
CF-3A, CF-3B, CF-3C	23	20	1			2,000	M	G			600	1	20	24	SAFETY SHOWERS 710, 711, 712
MC-3A, MC-3B	25	20	1	1,392			M	G	800			1	20	26	SAFETY SHOWERS 500, 512, 550, 551
UNIT HEATER, EU-3	27	30	3		2,880		H	-		0		1	20	28	SPARE
-	29	-	-			2,880	H	-			0	1	20	30	SPARE
-	31	-	-	2,880			H	M	3,420			3	35	32	AHU-6
UNIT HEATER, EU-4	33	30	3		2,880		H	M		3,420		-	-	34	-
-	35	-	-			2,880	H	M			3,420	-	-	36	-
-	37	-	-	2,880			H	H	750			2	15	38	EH-5
CHEM-P-531-C	39	20	1		1,656		M	H		750		-	-	40	-
CHEM-P-520-C	41	20	1			1,176	M	H			750	2	15	42	EH-6
CHEM-P-512-C	43	20	1	1,176			M	H	750			-	-	44	-
CHEM-P-511-C	45	20	1		1,176		M	-		0		1	20	46	SPARE
SPARE	47	20	1			0	-	-			0	1	20	48	SPARE
SPACE	49	-	-	0			-	-	0			1	20	50	SPARE
SPACE	51	-	-		0		-	-		0		-	-	52	SPACE
SPACE	53	-	-			0	-	-			0	-	-	54	SPACE
SPACE	55	-	-	0			-	-	0			3	30	56	SPD
SPACE	57	-	-		0		-	-		0		-	-	58	-
SPACE	59	-	-			0	-	-			0	-	-	60	-
TOTAL LOAD				11943	13307	10637			8430	7708	7360				

PHASE A LOAD (VA) 20,373
PHASE B LOAD (VA) 21,015
PHASE C LOAD (VA) 17,997
TOTAL LOAD (VA) = 59,385 Demand Load 100% 59.4 KVA
165 AMPS

NOTE 1: RED AND LOCKABLE "ON" BREAKER

ELECTRICAL PANELBOARD SCHEDULE

PANEL: MTF-PNL-UPS-C
VOLTAGE: 480/277V, 3PH, 4W
BUS SIZE: 100 A
MAINS: 50 A MAIN BREAKER

LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
FED FROM: MTF-UPS-C
MAIN TYPE: COPPER
AIC RATING: 22,000 A
* = GFI CIRCUIT BREAKER WITH 30mA TRIP

CIRCUIT TITLE	BREAKER CKT NO.	BREAKER AMP	BREAKER POLE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	LOAD TYPE	LOAD TYPE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	BREAKER POLE	BREAKER AMP	CKT NO.	CIRCUIT TITLE
HEAT TRACE FCL LINES	1	20*	1	1,860			H	H	1,000			1	20*	2	HEAT TRACE
HEAT TRACE	3	20*	1		1,000		H	H		1,000		1	20*	4	HEAT TRACE
HEAT TRACE	5	20*	1			1,000	H	H			1,860	1	20*	6	HEAT TRACE 4" TANK DRAINS
HEAT TRACE	7	20*	1	1,000			H	H	86			1	20*	8	HEAT TRACE 8" TANK DRAIN
HEAT TRACE	9	20*	1		1,000		H	H		939		1	20*	10	HEAT TRACE 3" SLW LINE
HEAT TRACE	11	20*	1			1,000	H	H			2,237	1	20*	12	HEAT TRACE 10" BWW LINE
HEAT TRACE 3" W2 LINES	13	20*	1	3,092			H	H	1,890			1	20*	14	HEAT TRACE 1/2" OGS LINES
HEAT TRACE 1/2" FAPS LINES	15	20*	1		1,236		H	H		2,010		1	20*	16	HEAT TRACE 1/2" SB LINES
HEAT TRACE 1/2" FLPS LINES	17	20*	1			1,830	H	-			0	1	20*	18	SPARE
SPARE	19	20*	1	0			-	-	0			1	20*	20	SPARE
SPARE	21	20*	1		0		-	-		0		-	-	22	SPACE
SPACE	23	-	-			0	-	-			0	-	-	24	SPACE
SPACE	25	-	-	0			-	-	0			-	-	26	SPACE
SPACE	27	-	-		0		-	-		0		-	-	28	SPACE
SPACE	29	-	-			0	-	-			0	-	-	30	SPACE
SPACE	31	-	-	0			-	-	0			-	-	32	SPACE
SPACE	33	-	-		0		-	-		0		-	-	34	SPACE
SPACE	35	-	-			0	-	-			0	-	-	36	SPACE
SPACE	37	-	-	0			-	-	0			-	-	38	SPACE
SPACE	39	-	-		0		-	-		0		-	-	40	SPACE
SPACE	41	-	-			0	-	-			0	-	-	42	SPACE
TOTAL LOAD				5952	3236	3830			2976	3949	4097				

PHASE A LOAD (VA) 8,928
PHASE B LOAD (VA) 7,185
PHASE C LOAD (VA) 7,927
TOTAL LOAD (VA) = 24,040 Demand Load 100% 24.0 KVA
29 AMPS

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PART	REV	DESCRIPTION	DRW	CHKR	DE	DVR	DM	DATE	PE	DATE
	Ø	ISSUED FOR CONSTRUCTION	KB	BW	GK		LE	06/2017		

REVISION OR ISSUE PURPOSE | REVISION APPROVALS | SQUAD CHECK: WE AR CV ST HV EM FP PD EE IE M NP

RPE — JAMES KEITH LANDMAN, REGISTERED ENGINEER, AGRICULTURE, COMMERCE, No. 119038, STATE OF TENNESSEE — 6-30-2017

REV. DATE

DRW	K BARTLETT	06/16/17
CHKR	B WILKINSON	06/16/17
DE	G KLOSSNER	06/16/17
DVR		
DM	L ELLIS	06/16/17
PE	Teresa J. Pierce, P.E.	

DRAWING APPROVALS | DATE

UCOR URS | CH2M Oak Ridge LLC

OF200 Mercury Treatment Facility
Designed by URS|CH2M Oak Ridge LLC (UCOR) for the Department of Energy
Oak Ridge Office of Environmental Management under U. S. Government contract DE-SC-0004645

Y-12 National Security Complex managed and operated by Consolidated Nuclear Security, LLC for the Department of Energy under U.S. Government contract DE-NA0001942
∘ Oak Ridge, Tennessee ∘

PROJECT NAME:
OF200 MERCURY TREATMENT FACILITY

ELECTRICAL TREATMENT FACILITY PANEL SCHEDULE

USE	DISC	DT	DC	CM	SYSTEM	STAT	SIZE	BLDG	FL	CLASS
3	E	M	S	NC	FAC	AR	E	9410-02	X	U

SH.	OF	TYPE		PART	REV
1	1	DD	E941002-F-0058	000	0

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ISSUED FOR CONSTRUCTION

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