

PROJECT:		HOTWRF	120/	208 V, 3 PHASE, 4 WIRE	PANELBOARD BB-L1					GENERAL NOTES:				
PROJECT NO:		09077		100 A BUS										
BY:		M.R.		50 A MCB										
FILE NAME:		09077 3 PHASE PANELBOARDS		10000 AIC RATING WALL MOUNTING										

CCT.	BKVR.	DESCRIPTION	LIGHTING	RECEPT.	MOTOR	OTHER	APPLIANCE	PH	APPLIANCE	OTHER	MOTOR	RECEPT.	LIGHTING	DESCRIPTION	BKVR.	CCT.
1	20/1	BLOWER ROOM RECEPTACLES		720				A					320	EXTERIOR LIGHTING	20/1	2
3	20/1	CONTROL ROOM RECEPTACLES		540				B					390	CONTROL ROOM LIGHTING	20/1	4
5	20/1	SCADA PANEL				500		C					908	BLOWER ROOM LIGHTING	20/1	6
7	20/1	SPARE						A					908	BLOWER ROOM LIGHTING	20/1	8
9	20/1	LOUVERS			600			B						BUSSED SPACE		10
11	20/1	SPARE						C						BUSSED SPACE		12
13	20/1	SPARE						A						BUSSED SPACE		14
15		BUSSESSED SPACE						B						BUSSED SPACE		16
17		BUSSESSED SPACE						C						BUSSED SPACE		18
19		BUSSESSED SPACE						A						BUSSED SPACE		20

LOAD SUMMARY										DEMAND FACTOR	DEMAND KVA
LOAD TYPE:	PH A	PH B	PH C	TOTALS	KVA	ALL	2.53	1.25	3.16		
LIGHTING	1.23	0.39	0.91	2.53	KVA						
RECEPTACLES	0.72	0.54	0.00	1.26	KVA	1ST 10KVA REMAINING	1.26	1.00	1.26		
MOTORS	0.00	0.60	0.00	0.60	KVA	LARGEST	0.00	1.25	0.00		
OTHER	0.00	0.00	0.50	0.50	KVA	ALL	0.60	1.00	0.60		
APPLIANCE	0.00	0.00	0.00	0.00	KVA	ALL	0.50	1.00	0.00		
TOTALS	1.95	1.53	1.41	4.89	KVA				5.52		

MINIMUM PANELBOARD AMPACITY: 15.32

PROJECT:

HOTDTRWF

20/

208 V, 3 PHASE, 4 WIRE

PROJECT NO:

09077

100 A BUS

BY:

M.R.

100 A MCB

FILE NAME:

09077 3 PHASE PANELBOARDS

10000 AIC RATING

SURFACE MOUNTING

GENERAL NOTES:

A. PANELBOARD IS INCLUDED IN PUMPING AND DISINFECTION BUILDING PERMIT SUBMITTAL.

CCT.	BRKR.	DESCRIPTION	LIGHTING	RECEPT.	MOTOR	OTHER	APPLIANCE	PH	APPLIANCE	OTHER	MOTOR	RECEPT.	LIGHTING	DESCRIPTION	BRKR.	CCT.
1	20/1	WSP-1/WSP-2 METERS				400		A			500			CHEM FEED PUMPS	20/1	2
3	20/1	WSP-3/RSP-1 METERS				400		B			1176			FUTURE CHEM TANK MIXER	20/1	4
5	20/1	RSP-2/RSP-3 METERS				400		A			1176			FUTURE CHEM TANK MIXER	20/1	6
7	20/1	DSP-1/DSP-2 METERS				400		A			800			EFFLUENT SAMPLER	20/1	8
9	20/1	FUTURE DSP-3 METER				200		B		500				SCADA SYSTEM	20/1	10
11	20/1	DRAIN AND WW METERS				400		C			400			SCADA CAB COOLING	15/	12
13	20/1	U.S. LEVEL SENSOR				200		A			400			—	2	14
15	20/1	UV FLOW. & NPW METERS				400		B			1150			UH-1	20/1	16
17	20/1	RECEPTACLES		720				C			1150			UH-2	20/1	18
19	20/1	RECEPTACLES		720				A			500			LOUVERS	20/1	20
21	20/1	RECEPTACLES		720				B					400	EXTERIOR LIGHTING	20/1	22
23	20/1	SCUM AND DECANT METERS				400		A			1440			SUMP PUMP	20/1	24
25	20/1	EF-5			1176			B					1266	INTERIOR LIGHTING	20/1	26
27	20/1	EF-6			1176			C					1266	INTERIOR LIGHTING	20/1	28
29		BUSSED SPACE						C					1092	INTERIOR LIGHTING	20/1	30
31		BUSSED SPACE						A					1638	INTERIOR LIGHTING	20/1	32
33		BUSSED SPACE						B					546	INTERIOR LIGHTING	20/1	34
35		BUSSED SPACE						C			300		240	INTERIOR LIGHTING, EF-4	20/1	36
37		BUSSED SPACE						A						BUSSED SPACE		38
39		BUSSED SPACE						B						BUSSED SPACE		40
41		BUSSED SPACE						C						BUSSED SPACE		42

LOAD TYPE:

PH A

PH B

PH C

TOTALS

KVA

ALL

6.45

1.25

8.06

LOAD SUMMARY

RECEPTACLES

0.72

0.72

0.72

2.16

KVA

1ST 10KVA

REMAINING

0.00

0.50

0.00

MOTORS

3.38

3.50

4.47

11.34

KVA

LARGEST

REMAINING

4.32

7.02

1.00

OTHER

1.00

1.50

1.20

3.70

KVA

ALL

3.70

1.00

3.70

APPLIANCE

0.00

0.00

0.00

0.00

KVA

ALL

0.00

1.00

0.00

TOTALS

8.00

7.93

7.72

23.65

KVA

26.34

MINIMUM PANELBOARD AMPACITY:

73.12

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