

PROJECT: HDTWRWF
 PROJECT NO: 09077
 BY: M.R.
 FILE NAME: 09077 3 PHASE PANELBOARDS

480 V, 3 PHASE, 3 WIRE 7
 100 A BUS
 - A MCB
 18000 AIC RATING
 SURFACE MOUNTING

GENERAL NOTES:
 A. PANELBOARD IS INCLUDED IN SECONDARY CLARIFIER COMPLEX PERMIT SUBMITTAL.

CCT.	BRKR.	DESCRIPTION	LIGHTING	RECEPT.	MOTOR	OTHER	APPLANCE	PH	APPLANCE	OTHER	MOTOR	RECEPT.	LIGHTING	DESCRIPTION	BRKR.	CCT.
1	20/	PANELBOARD SC-L1	160	360	0	0	0	A					825	CLARIFIERS 1 & 2 LIGHTING	20/	2
3		9KVA XFMR	0	0	0	500	0	B					825	-	2	4
5	3/	-	0	0	0	500	0	A						SPARE	20/1	6
7	30/	SPD						A						SPARE	20/1	8
9		-						B						SPARE	20/1	10
11	3/	-						C						BUSSED SPACE		12
13	15/	CLARIFIER DRIVE CD-1			690			A						BUSSED SPACE		14
15		LCP SC-1			690			B						BUSSED SPACE		16
17	3/	-			690			C						BUSSED SPACE		18
19	15/	CLARIFIER DRIVE CD-2			690			A						BUSSED SPACE		20
21		LCP SC-2			690			B						BUSSED SPACE		22
23	3/	-			690			C						BUSSED SPACE		24
25	30/	SPD						A						BUSSED SPACE		26
27	-	-						B						BUSSED SPACE		28
29	3/	-						C						BUSSED SPACE		30

LOAD SUMMARY

LOAD TYPE:	PH A	PH B	PH C	TOTALS			DEMAND FACTOR	DEMAND KVA
LIGHTING	0.99	0.83	0.00	1.81	KVA	ALL	1.81	2.26
RECEPTACLES	0.36	0.00	0.00	0.36	KVA	1ST 10KVA	0.36	0.36
						REMAINING	0.00	0.00
MOTORS	1.38	1.38	1.38	4.14	KVA	LARGEST	2.07	2.59
						REMAINING	2.07	2.07
OTHER	0.00	0.50	0.50	1.00	KVA	ALL	1.00	1.00
APPLIANCE	0.00	0.00	0.00	0.00	KVA	ALL	1.00	0.00
TOTALS	2.73	2.71	1.88	7.31	KVA			8.28

MINIMUM PANELBOARD AMPACITY: 9.96

3		ANALYZER BLANKET				500		B				BUSSED SPACE		20/1	4
5	3	ANALYZER BLANKET				500		B				BUSSED SPACE		20/1	6
7	20/1	SPARE						A				BUSSED SPACE		20/1	8
9	20/1	SPARE						B				BUSSED SPACE		20/1	10
11	20/1	SPARE						C				BUSSED SPACE		20/1	12
13		BUSSED SPACE						A				BUSSED SPACE			14
15	30/	SPD						B				BUSSED SPACE			16
17	-	-						C				BUSSED SPACE			18
19	3	-						A				BUSSED SPACE			20

LOAD SUMMARY									
LOAD TYPE:	PH A	PH B	PH C	TOTALS			DEMAND FACTOR	DEMAND KVA	
LIGHTING	0.16	0.00	0.00	0.16	KVA	ALL	0.16	1.25	0.20
RECEPTACLES	0.36	0.00	0.00	0.36	KVA	1ST 10KVA	0.36	1.00	0.36
						REMAINING	0.00	0.50	0.00
MOTORS	0.00	0.00	0.00	0.00	KVA	LARGEST	0.00	1.25	0.00
						REMAINING	0.00	1.00	0.00
OTHER	0.00	0.50	0.50	1.00	KVA	ALL	1.00	1.00	1.00
APPLIANCE	0.00	0.00	0.00	0.00	KVA	ALL	0.00	1.00	0.00
TOTALS	0.52	0.50	0.50	1.52	KVA				1.56

MINIMUM PANELBOARD AMPACITY: 4.33

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REVISIONS		
NO.	DATE	DESCRIPTION
13	06/29/2012	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPR
14	07/17/2012	ISSUED FOR CONSTRUCTION PER PPRBD BLDG
15	08/15/2012	ISSUED FOR CONSTRUCTION PER PPRBD BUILDING
16	11/29/2012	ISSUED FOR VALUE, ENGINEERING REVIEW AND
17	12/15/2012	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPR
18	01/07/2013	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PP
19	01/29/2013	ISSUED FOR CONSTRUCTION PER PPRBD PERMIT
20	03/14/2013	ISSUED FOR CONSTRUCTION PER PPRBD BLDG PERMIT

REVISONS	
DATE	DESCRIPTION
03/30/2011	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPRBD (SECONDARY CLARIFIER COMPLEX)
05/17/2011	ISSUED FOR PREPARATION OF CMO
06/20/2011	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPRBD (HEADWORKS BUILDING)
06/10/2011	ISSUED FOR CONSTRUCTION (SECONDARY CLARIFIER COMPLEX)
07/07/2011	REVISIONS PER REQUEST OF PPRBD FOR BUILDING PERMIT SUBMITTAL (HEADWORKS BUILDING)
08/05/2011	ISSUED FOR CONSTRUCTION PER BUILDING PERMIT #48510 (HEADWORKS BLDG.)
10/12/2011	REVISED 480V PANEL AND MCC TO 3-WIRE, REVISED EXT. LIGHTING TO 480V.
11/23/2011	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPRBD (EQUIP. MAINT. & STOR. BLDG.)
12/22/2011	ISSUED FOR DESIGN TEAM REVIEW
04/18/2012	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPRBD (PUMPING AND DISINFECTION BLDG)
05/21/2012	ISSUED FOR CONSTRUCTION PER PPRBD BLDG PERMIT #8993 (PUMP AND DISINFECTION BLDG)

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GENERAL ELECTRICAL SCHEDULES I

HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY

LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT

DRAWN	MAM/SKAT	GMS, INC. CONSULTING ENGINEERS 611 N. WEBER, SUITE 300 COLORADO SPRINGS, COLORADO 80903
DESIGNED	AFS	
CHECKED	MR	
DATE	2010	
PROJECT NO.	20166.330	
GMS FILE NO.	2599	