

PANELBOARD AB-H1																
PROJECT:	HDRWRF	480 V, 3 PHASE, 3 WIRE	GENERAL NOTES:													
PROJECT NO:	09077	400 A BUS	A. NEMA 3R MINIMUM ENCLOSURE.													
BY:	M.R.	400 A MCB														
FILE NAME:	09077 3 PHASE PANELBOARDS	35000 AIC RATING SURFACE MOUNTING														
CCT.	BRKR.	DESCRIPTION	LIGHTING	RECEPT.	MOTOR	OTHER	APPLIANCE	PH	APPLIANCE	OTHER	MOTOR	RECEPT.	LIGHTING	DESCRIPTION	BRKR.	CCT.
1	40/	MIXER ABM-1			5710			A			5710			MIXER ABM-8	40/	2
3					5710			B			5710					4
5	3				5710			C			5710				3	6
7	40/	MIXER ABM-2			5710			A			5710			MIXER ABM-9	40/	8
9					5710			B			5710					10
11	3				5710			C			5710				3	12
13	40/	MIXER ABM-3			5710			A			5710			MIXER ABM-10	40/	14
15					5710			B			5710					16
17	3				5710			C			5710				3	18
19	40/	MIXER ABM-4			5710			A			5710			MIXER ABM-11	40/	20
21					5710			B			5710					22
23	3				5710			C			5710				3	24
25	40/	MIXER ABM-5			5710			A			5710			MIXER ABM-12	40/	26
27					5710			B			5710					28
29	3				5710			C			5710				3	30
31	40/	MIXER ABM-6			5710			A			5710			BUSSED SPACE		32
33					5710			B						BUSSED SPACE		34
35	3				5710			C						BUSSED SPACE		36
37	40/	MIXER ABM-7			5710			A						FUTURE AERATION BASIN	125/	38
39					5710			B						MIXERS		40
41	3				5710			C						(BUSSED SPACE ONLY)	3	42
43		BUSSED SPACE						A						SPD	30/	44
45		BUSSED SPACE						B								46
47		BUSSED SPACE						C							3	48

LOAD SUMMARY														
LOAD TYPE:	PH A	PH B	PH C	TOTALS	APPLIANCE	PH	APPLIANCE	OTHER	MOTOR	RECEPT.	LIGHTING	DESCRIPTION	BRKR.	CCT.
LIGHTING	0.00	0.00	0.00	0.00	KVA	ALL	0.00	1.25	0.00					
RECEPTACLES	0.00	0.00	0.00	0.00	KVA	1ST 10KVA	0.00	1.00	0.00					
						REMAINING	0.00	0.50	0.00					
MOTORS	68.52	68.52	68.52	205.56	KVA	LARGEST	17.13	1.25	21.41					
						REMAINING	188.43	1.00	188.43					
OTHER	0.00	0.00	0.00	0.00	KVA	ALL	0.00	1.00	0.00					
APPLIANCE	0.00	0.00	0.00	0.00	KVA	ALL	0.00	1.00	0.00					
TOTALS	68.52	68.52	68.52	205.56	KVA									

MINIMUM PANELBOARD AMPACITY: 252.40

PANELBOARD AB-L1																
PROJECT:	HDRWRF	120/	208 V, 3 PHASE, 4 WIRE	GENERAL NOTES:												
PROJECT NO:	09077	100 A BUS	A. NEMA 3R MINIMUM ENCLOSURE.													
BY:	M.R.	50 A MCB														
FILE NAME:	09077 3 PHASE PANELBOARDS	10000 AIC RATING WALL MOUNTING														
CCT.	BRKR.	DESCRIPTION	LIGHTING	RECEPT.	MOTOR	OTHER	APPLIANCE	PH	APPLIANCE	OTHER	MOTOR	RECEPT.	LIGHTING	DESCRIPTION	BRKR.	CCT.
1	20/1	INSTRUMENTATION PANEL C1				1000		A						BUSSED SPACE		2
3	20/1	INSTRUMENTATION PANEL C2				1000		B				540		RECEPTACLES NORTH	20/1	4
5	20/1	INSTRUMENTATION PANEL C3				1000		C				360		RECEPTACLES SOUTH	20/1	6
7	20/1	INSTRUMENTATION PANEL C4				1000		A						BUSSED SPACE		8
9	20/1	SPARE						B						BUSSED SPACE		10
11	20/1	SPARE						C				770		BASIN LIGHTING	20/1	12
13	20/1	SPARE						A						BUSSED SPACE		14
15	20/1	SPARE						B						SPD	30/	16
17		BUSSED SPACE						C								18
19		BUSSED SPACE						A							3	20

LOAD SUMMARY														
LOAD TYPE:	PH A	PH B	PH C	TOTALS	APPLIANCE	PH	APPLIANCE	OTHER	MOTOR	RECEPT.	LIGHTING	DESCRIPTION	BRKR.	CCT.
LIGHTING	0.00	0.00	0.77	0.77	KVA	ALL	0.77	1.25	0.96					
RECEPTACLES	0.00	0.54	0.36	0.90	KVA	1ST 10KVA	0.90	1.00	0.90					
						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	2.00	1.00	1.00	4.00	KVA	ALL	4.00	1.00	4.00					
APPLIANCE	0.00	0.00	0.00	0.00	KVA	ALL	0.00	0.65	0.00					
TOTALS	2.00	1.54	2.13	5.67	KVA									

MINIMUM PANELBOARD AMPACITY: 16.27

REVISIONS		
NO.	DATE	DESCRIPTION
1	12/12/2012	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PRRBD (AERATION BASINS)
2	01/29/2013	ISSUED FOR CONSTRUCTION PER PRRBD PERMIT #H64746 (AERATION BASINS)

THIS DRAWING IS THE PROPERTY OF GMS, INC., AND IS NOT TO BE REPRODUCED, MODIFIED OR USED FOR ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH THIS COMPANY.

© 2011 GMS, INC.

GENERAL ELECTRICAL SCHEDULES V HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT		GMS, INC. CONSULTING ENGINEERS 611 N. WEBER, SUITE 300 COLORADO SPRINGS, COLORADO 80903	SHEET ES-5 OF -
DRAWN _____ MAR _____ DESIGNED _____ MAR _____ CHECKED _____ MAR _____ DATE 2012 PROJECT NO. 20166.330 GMS FILE NO. 2599			

G:\UNSD001063030\ES-5.dwg, ESS, 1/20/2013 8:51:39 AM, 4, DWG TO PDF, p01, 1:1

XREF FILENAME: G:\
 BASE DWG: G:\
 PLOT STYLE FILE: 1005C.DWT
 FILENAME: G:\UNSD001063030\20166.330\ESS\ESS.DWG