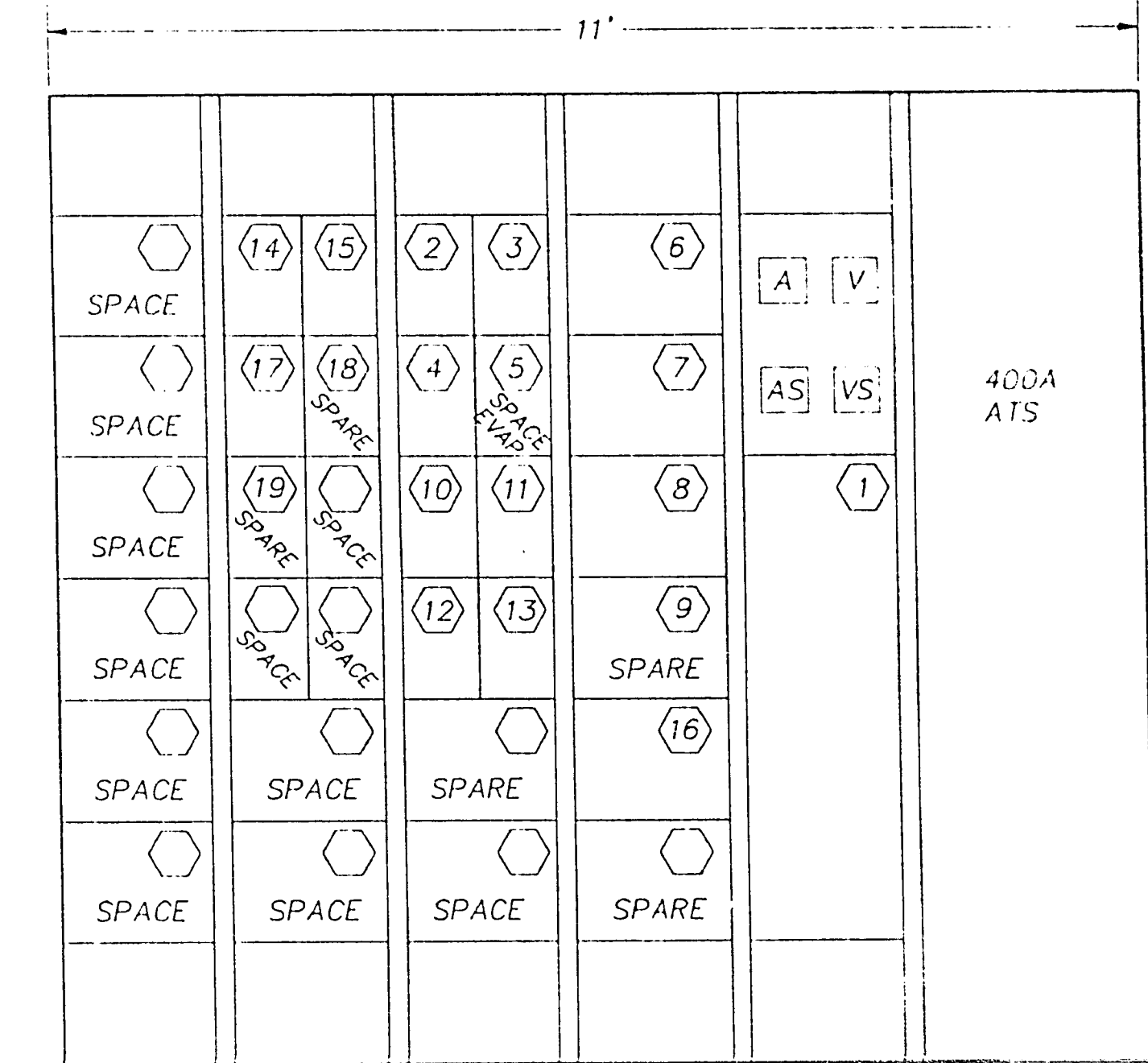


ONE-LINE DIAGRAM - MCC-Q



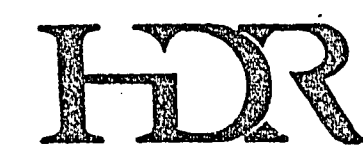
MCC-Q ELEVATION

PANEL: LPQ1		ENTRANCE: BOTTOM		MOUNTING: SURFACE				
SERVICE: 120/208 VOLTS, 3 PHASE, 4 WIRE, 100% NEUTRAL								
MAIN DEVICE: 100 AMP CIRCUIT BREAKER, 3 POLE, 10,000 AIC INTERRUPTING RATING								
CKT NO.	CIRCUIT IDENTIFICATION	C.B. AMPS	VA PER PHASE			C.B. AMPS	CIRCUIT IDENTIFICATION	CKT NO.
			A	B	C			
1	SO ₂ TANK VALVE C.P.	15/1	100	200		20/1	RTU-20 CONTROL PANEL	2
3	SO ₂ VENTILATION C.P.	20/1		850		20/1	SPARE	4
5	SPARE	20/1			1200	20/1	SO ₂ VENT C.P.: ERV-902, 903	6
7	SPARE	20/1	50			15/1	VACUUM REGULATOR VR-101	8
9	SPARE	20/1		50		15/1	VACUUM REGULATOR VR-301	10
11	SULFONATOR SF-401	20/1			500	15/1	VACUUM REGULATOR VR-302	12
13	SULFONATOR SF-402	20/1	50			15/1	VACUUM REGULATOR VR-303	14
15	SULFONATOR SF-403	20/1		500	50	15/1	GENERATOR BATTERY CHARGER	16
17	SULFONATOR SF-404	20/1			500	15/1	CAMERA	18
19	SPARE (FUT SF-405)	20/1			100	15/1	SPARE	20
21	WEIGHT INDICATOR WI-101	20/1		50		15/1	SPARE	22
23	WEIGHT INDICATOR WI-102	20/1			50	15/1	SPARE	24
25	SO ₂ GAS DETECTOR AE-101	20/1	100	200		15/1	AIR DRYER D-501	26
27	SO ₂ GAS DETECTOR AE-301	20/1		100	600	20/1	EXHAUST FAN ERV-301 (SULFONATOR RM)	28
29	DEWPOINT AE-501	20/1			10	20/1	SPARE	30
31	SPARE	20/1				20/1	SPARE	32
33	SPACE				3000	30		34
35	SPACE					2	GENERATOR BLOCK HEATER	36
37	SPACE			3276		100		38
39	SPACE				3170		SPARE	40
41	SPACE					3		42
EST TOTAL VA PER PHASE			4476	8370				
EST TOTAL PANELBOARD VA					21231			

LPQ1 PANEL SCHEDULE

PANEL: LPQ2		ENTRANCE: BOTTOM		MOUNTING: SURFACE				
SERVICE: 120/208 VOLTS, 3 PHASE, 4 WIRE, 100% NEUTRAL								
MAIN DEVICE: 100 AMP CIRCUIT BREAKER, 3 POLE, 10,000 AIC INTERRUPTING RATING								
CKT NO.	CIRCUIT IDENTIFICATION	C.B. AMPS	VA PER PHASE			C.B. AMPS	CIRCUIT IDENTIFICATION	CKT NO.
			A	B	C			
1	LIGHTING-SULFONATOR & EVAP RM	20/1	246	900		20/1	RECEPTACLES	2
3	LIGHTING-MECH. ELEC. SO ₂ STORAGE RM	20/1		950	720	20/1	RECEPTACLES	4
5	LIGHTING- SO ₂ STORAGE	20/1			715	20/1	RECEPTACLES	6
7	EMERGENCY LIGHTING	15/1	350	720		20/1	RECEPTACLES	8
9	EXTERIOR LIGHTING	20/1		600	180	20/1	RECEPTACLE	10
11	EXTERIOR FLOOD LIGHTING	20/1			1380	20/1	RECEPTACLE	12
13	SPARE	20/1			180	20/1	SPARE	14
15	SPARE	20/1			720	20/1	RECEPTACLES	16
17	SPACE					20/1	SPARE	18
19	SPACE					20/1	SPACE	20
21	SPACE						SPACE	22
23	SPACE						SPACE	24
EST TOTAL VA PER PHASE			2916	3170	2995			
EST TOTAL PANELBOARD VA					9081			

LPQ2 PANEL SCHEDULE



HDR Engineering, Inc.

Rev. No.	Description	Date	Drawn	Check	Res. Eng.	Proj. Mgr.
3	CORRECTED ACCORDING TO CONSTRUCTION RECORDS	11/11/93	KBN	DMM	DAP	DAP
2	ISSUED FOR CONSTRUCTION	11/22/91		DMM	LDS	DAP
1	ADDENDUM NO. 3, CHANGE NOTE	10/11/91	KBN	DMM	LDS	DAP

Project Manager	Author	Checked	Reviewed
DAVID A. PIVETTI			
L. SMITHEY			

City of Los Angeles
 Water Pollution Control Facility
 Nitrification / Filtration Facilities
 Contract 12
 DECHLORINATION FACILITY

DECLORINATION BUILDING
 MCC-Q ONE-LINE DIAGRAM & ELEVATION
 AND PANEL SCHEDULES

Date: SEPTEMBER 1991	Project No: 00120-079-141	Sheet No: E-07
Scale: NONE		