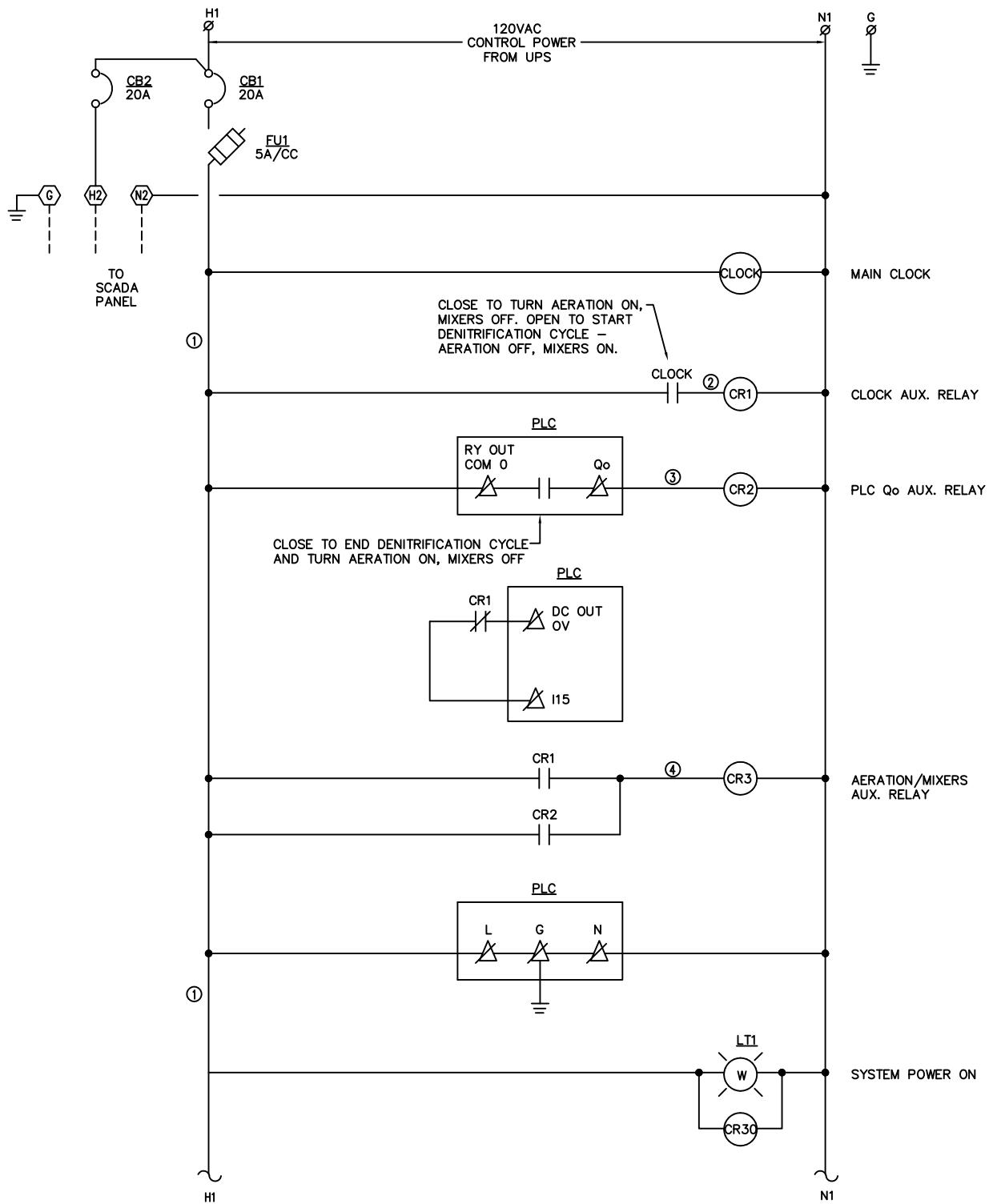


*United Industries, Inc.
Baton Rouge, LA*

ORP CONTROL PANEL

(QTY 3)
CP-1650



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Innovative Water And Wastewater Technologies

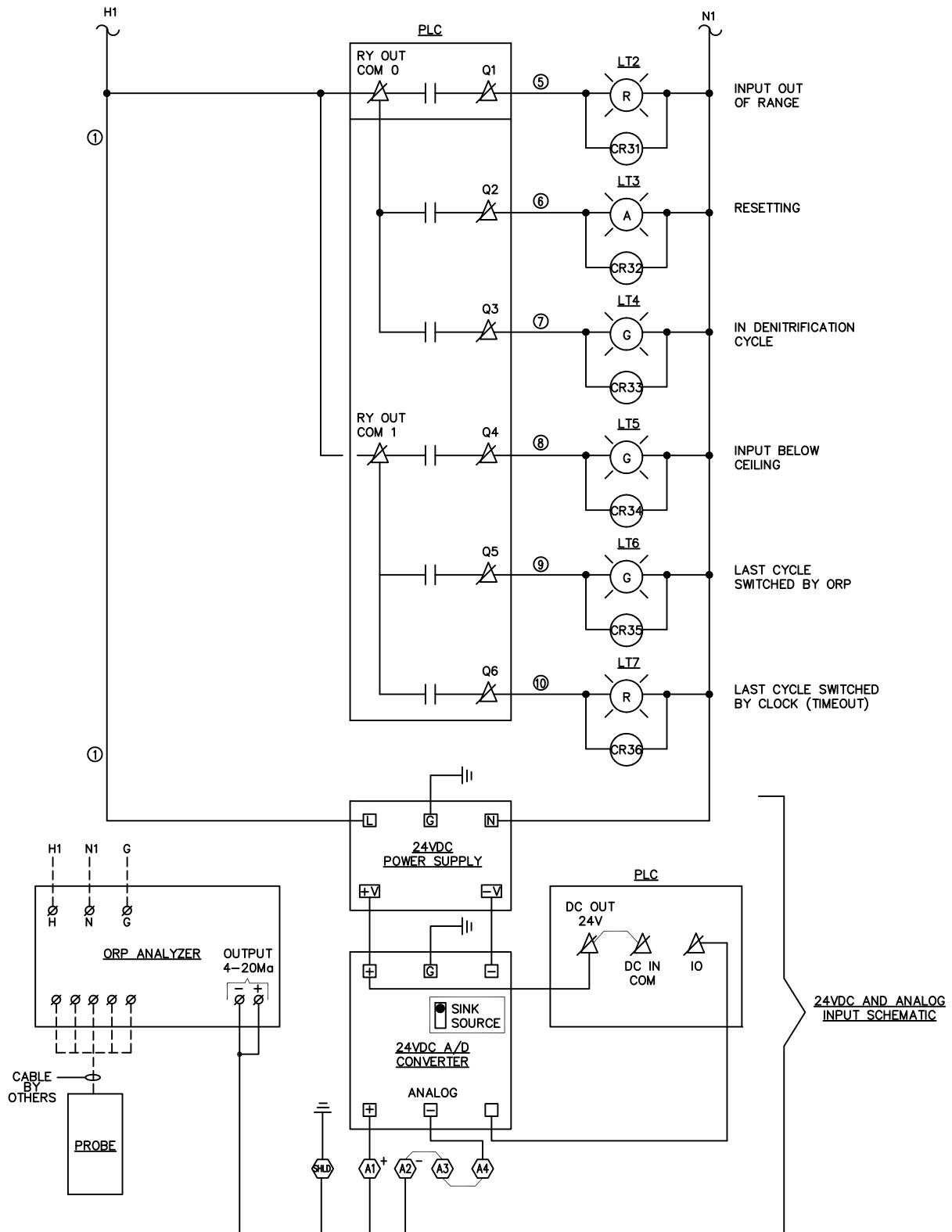


DATE	REVISION	BY	DESIGNED: DESIGN
			DRAWN : C.RACHAL
			CHECKED : CHECK
			APPROVED: APPROVE
			DATE 9/08/03
			SCALE N.T.S.
			JOB NO.
			DWG NO. ORP-1

ORP CONTROL PANEL

TITLE

CITY OF LAKE CHARLES
WWTP D
PROJECT



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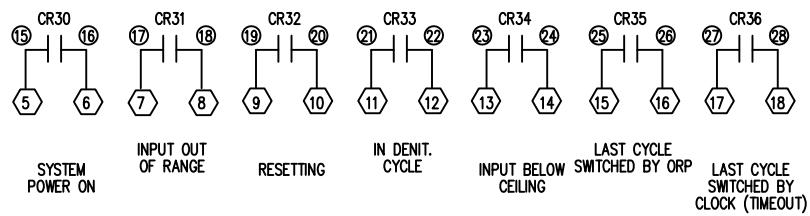
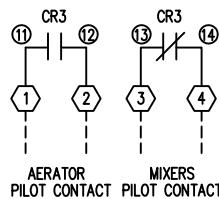


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			DATE 9/08/03
			SCALE N.T.S.
			JOB NO.
			DWG NO. ORP-2

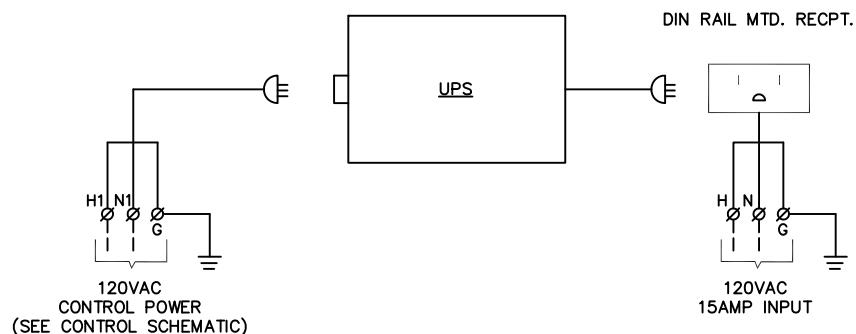
ORP CONTROL PANEL

TITLE

CITY OF LAKE CHARLES WWTP D PROJECT



AUXILIARY CONTACTS
TO SCADA



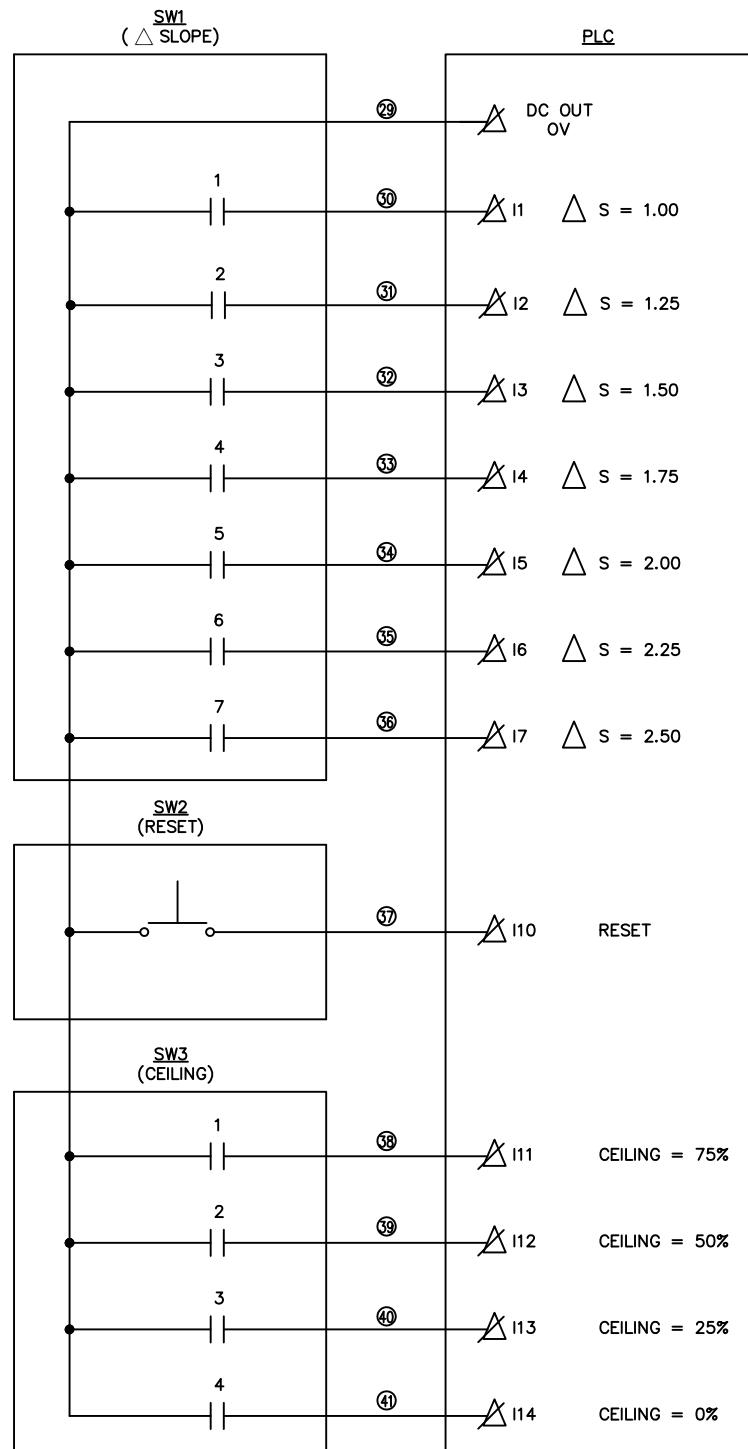
MAIN POWER SUPPLY

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			JOB NO.
			DWG NO. ORP-3
ORP CONTROL PANEL			
TITLE			
CITY OF LAKE CHARLES WWTP D PROJECT			



SWITCH INPUTS

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			JOB NO.
			DWG NO. ORP-4

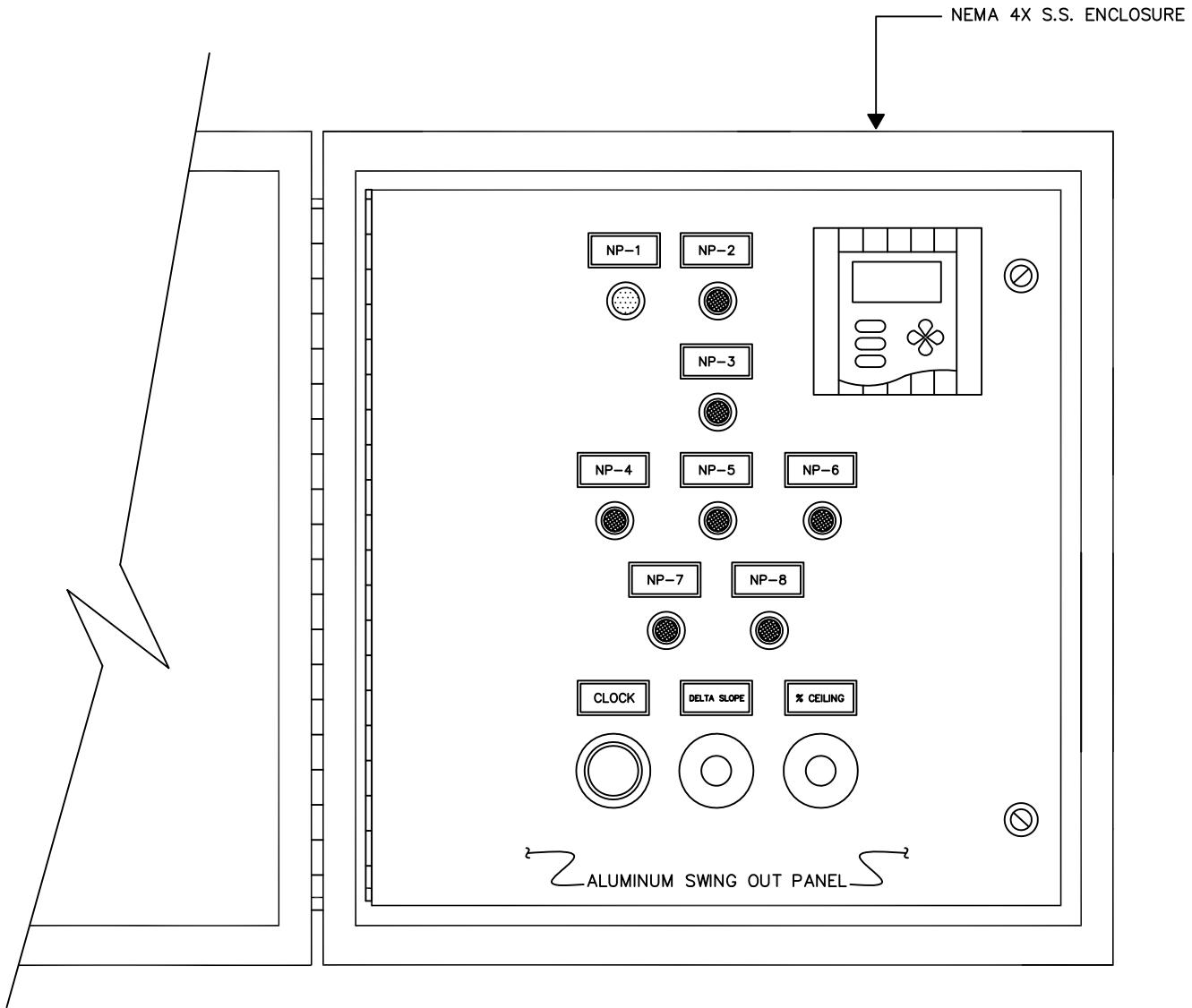
ORP CONTROL PANEL

TITLE

**CITY OF LAKE CHARLES
WWTP D**

PROJECT

<u>LEGEND</u>	
<u>SYMBOL</u>	DESCRIPTION
— — —	PANEL WIRING FIELD WIRING



VIEW OF SWING OUT PANEL

VIEW OF SWING OUT PANEL

NAMEPLATE ENGRAVING		
DEVICE	FIRST LINE	SECOND LINE
1	SYSTEM RESET	
2	SYSTEM POWER	ON
3	SYSTEM RESETTING	
4	IN DENITRIFICATION CYCLE	
5	INPUT BELOW CEILING	
6	LAST CYCLE SWITCHED	BY ORP
7	LAST CYCLE SWITCHED	BY CLOCK
8	INPUT OUT OF	RANGE
9	CLOCK	
10	DELTA SLOPE	*
11	% CEILING	**
12	1,2,3,4,5,6,7	
13	1,2,3,4	

* 1=1.00 ** 1=0
 2=1.25 2=25
 3=1.50 3=50
 4=1.75 4=75
 5=2.00
 6=2.25
 7=2.50

CP-1650

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DATE	REVISION	BY	DESIGNED: DESIGN
			DRAWN : C.RACHAL
			CHECKED : CHECK
			APPROVED: APPROVE
ORP CONTROL PANEL			DATE 9/08/03
			SCALE
			N.T.S.
CITY OF LAKE CHARLES WWTP D PROJECT			JOB NO.
			DWG NO.
			ORP-5

BILL OF MATERIALS

ITEM	QUANTITY	MANUFACTURER	CATALOG NO.	DESCRIPTION	PART NO.
1	1	EB&E	S242410REPL	ENCLOSURE S.S.	—
2	1	EB&E	A2424P	BACK PLATE	—
3	1	EB&E	A2424SP	SWING OUT DOOR	—
4	1	IDECK	FC2A-C24A1	PLC	—
5	1	IDECK	PS5R-A24	POWER SUPPLY 24VDC	—
6	1	IDECK	FC2A-AD4	A/D CONVERTER	—
7	1	GRASSLIN	FM1 STUZH-L	CLOCK	—
8	2	SQUARE D	QOU120	CIRCUIT BREAKER 20A/1P	—
9	1	CUTLER-HAMMER	10250T23B	N.O.P.B. SWITCH (SW2)	—
10	10	OMRON	LY4NAC120	RELAY	6C884
11	10	OMRON	PTF14A	SOCKET	2XC09
12	1	A-B	800H-QR10W	LIGHT (WHT)-120V, LED	—
13	2	A-B	800H-QR10R	LIGHT (RED)-120V, LED	—
14	1	A-B	800H-QR10Y	LIGHT (AMB)-120V, LED	—
15	3	A-B	800H-QR10G	LIGHT (GRN)-120V, LED	—
16	LOT	WEILAND	WK6/U	TERMINALS	0840
17	1	OHMITE	111-7	7 POS. SWITCH (SW1)	291-0840
18	1	OHMITE	111-4	4 POS. SWITCH (SW3)	291-0825
19	2	OHMITE	5/50	KNOB	296-1235
20	1	OHMITE	5002-7	DIAL	
21	1	OHMITE	5002-4	DIAL	
22	1	APC	350	U.P.S.	—
23	1	ACME	DRGF526I	GFI	
24	1	GLI	P53A2AIN	ORP TRANSMITTER	
25	1	GLI	KRD1R5	ORP SENSOR	
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					

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			CHECKED : CHECK
			APPROVED: APPROVE
ORP CONTROL PANEL			DATE 9/08/03
			SCALE N.T.S.
CITY OF LAKE CHARLES WWTP D PROJECT			JOB NO. DWG NO. ORP-6