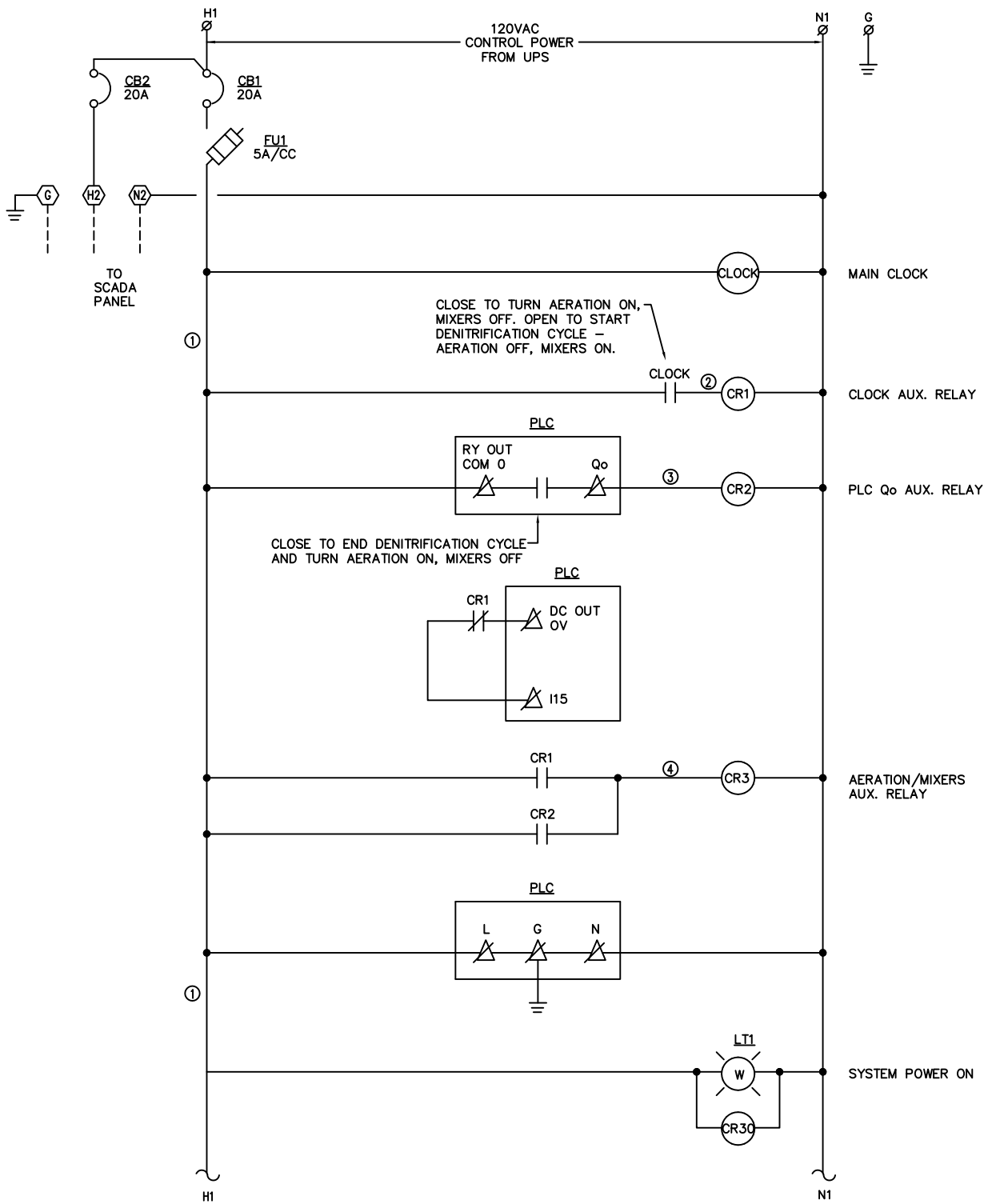


United Industries, Inc.
Baton Rouge, LA

ORP CONTROL PANEL

AS BUILTS

(QTY 3)
CP-1650

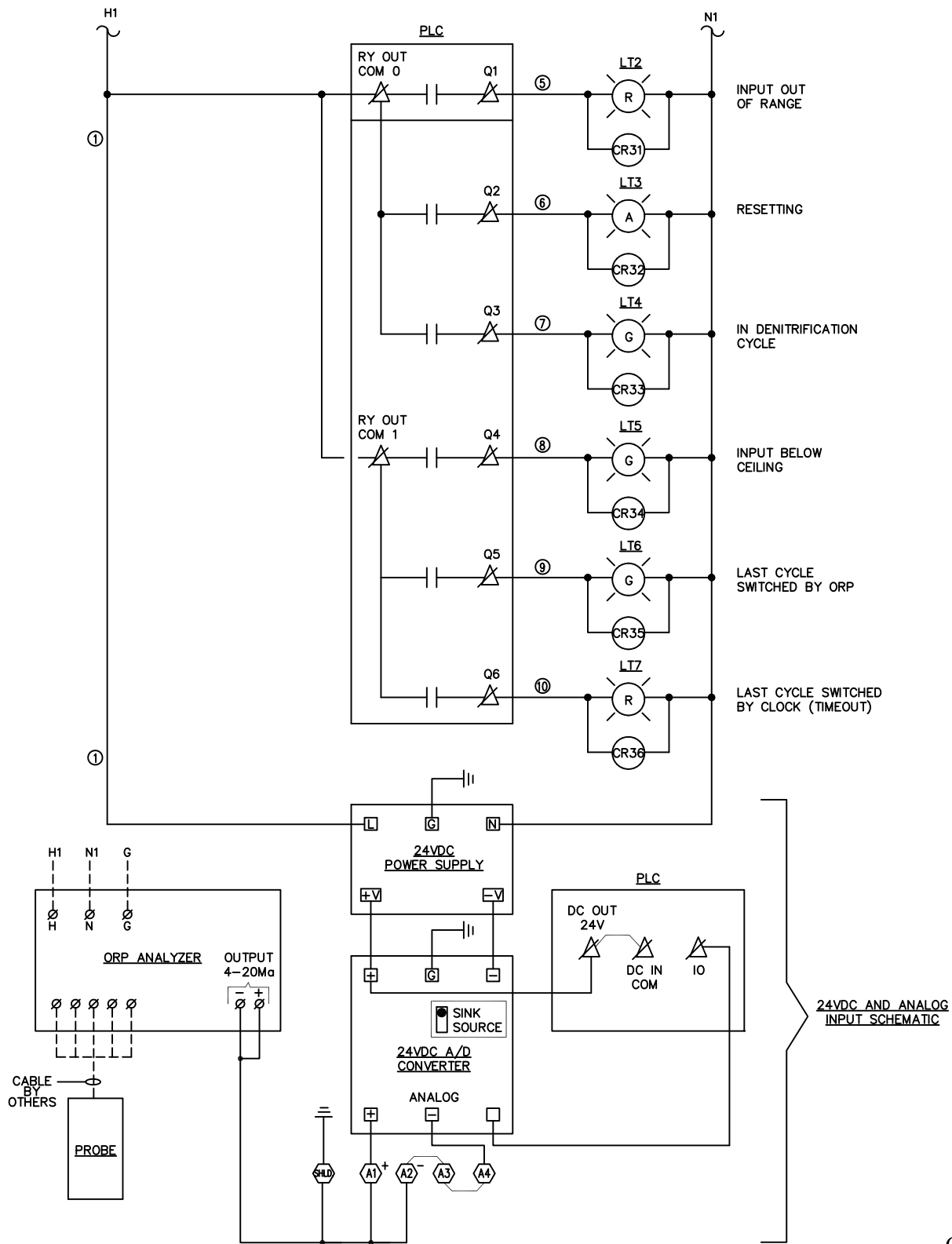


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Innovative Water And Wastewater Technologies



DATE	REVISION	BY	DESIGNED: DESIGN
			DRAWN : C.RACHAL
			CHECKED : CHECK
			APPROVED: APPROVE
<p>ORP CONTROL PANEL</p> <p>TITLE</p> <p>CITY OF LAKE CHARLES WWTP D</p> <p>PROJECT</p>			DATE 9/08/03
			SCALE N.T.S.
			JOB NO.
			DWG NO. ORP-1



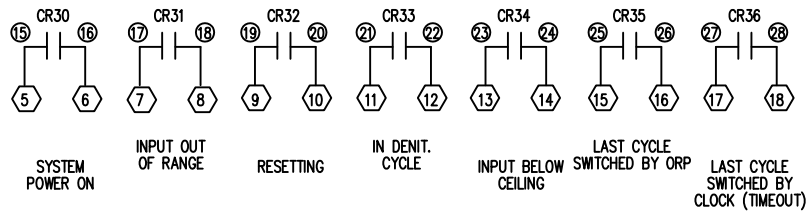
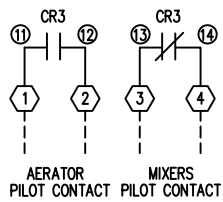
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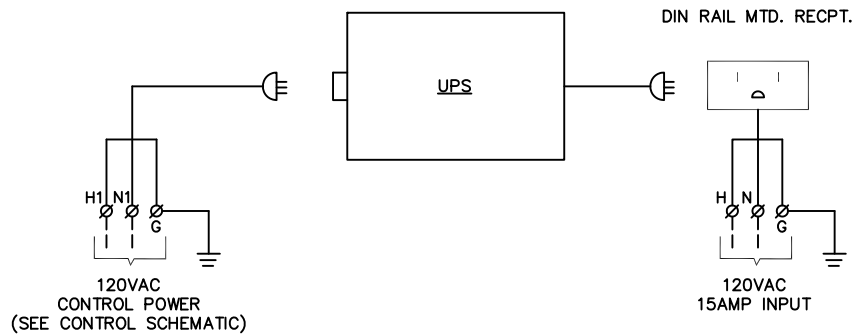


DATE	REVISION	BY	DESIGNED: DESIGN
			DRAWN : C.RACHAL
			CHECKED : CHECK
			APPROVED: APPROVE
ORP CONTROL PANEL CITY OF LAKE CHARLES WWTP D PROJECT			DATE 9/08/03
			SCALE N.T.S.
			JOB NO. DWG NO. ORP-2

LEGEND	
SYMBOL	DESCRIPTION
—	PANEL WIRING
---	FIELD WIRING



AUXILIARY CONTACTS
TO SCADA



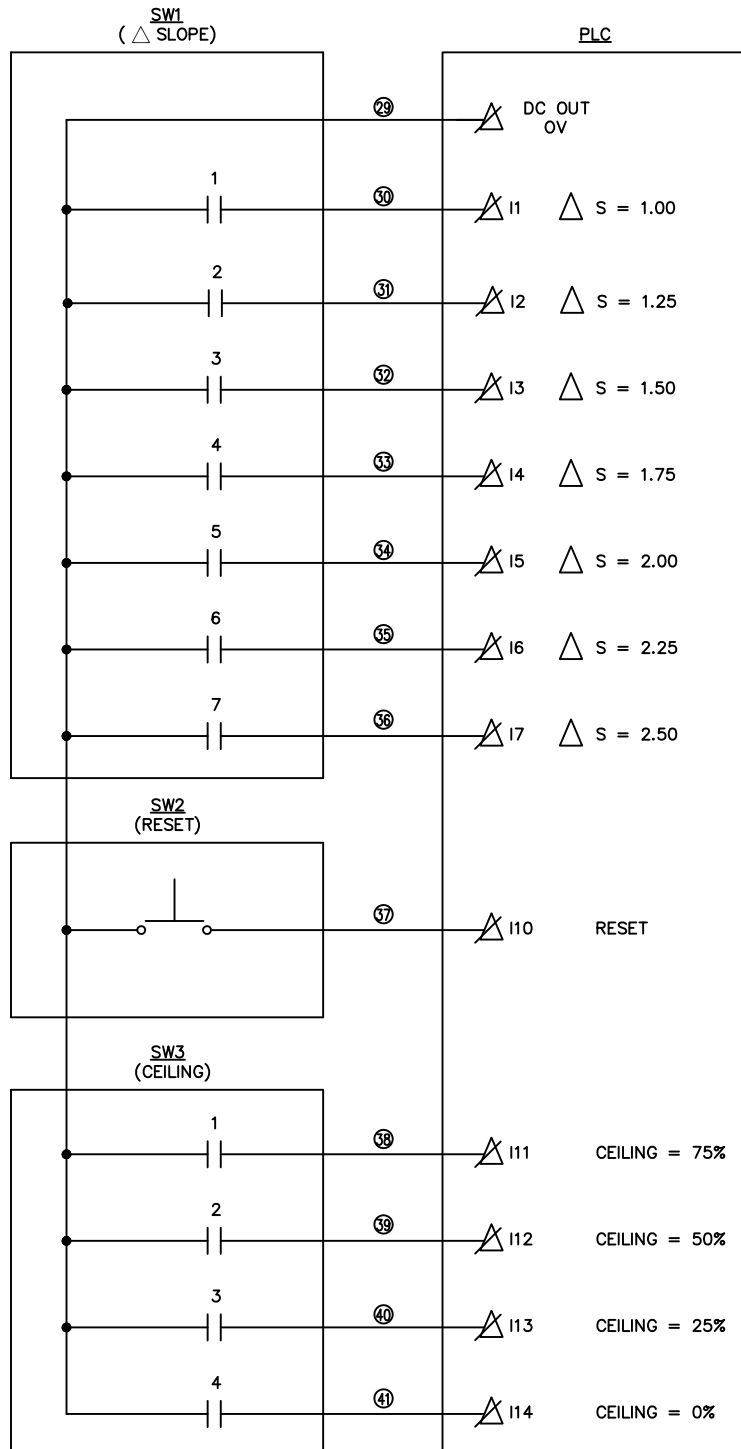
MAIN POWER SUPPLY

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			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-3

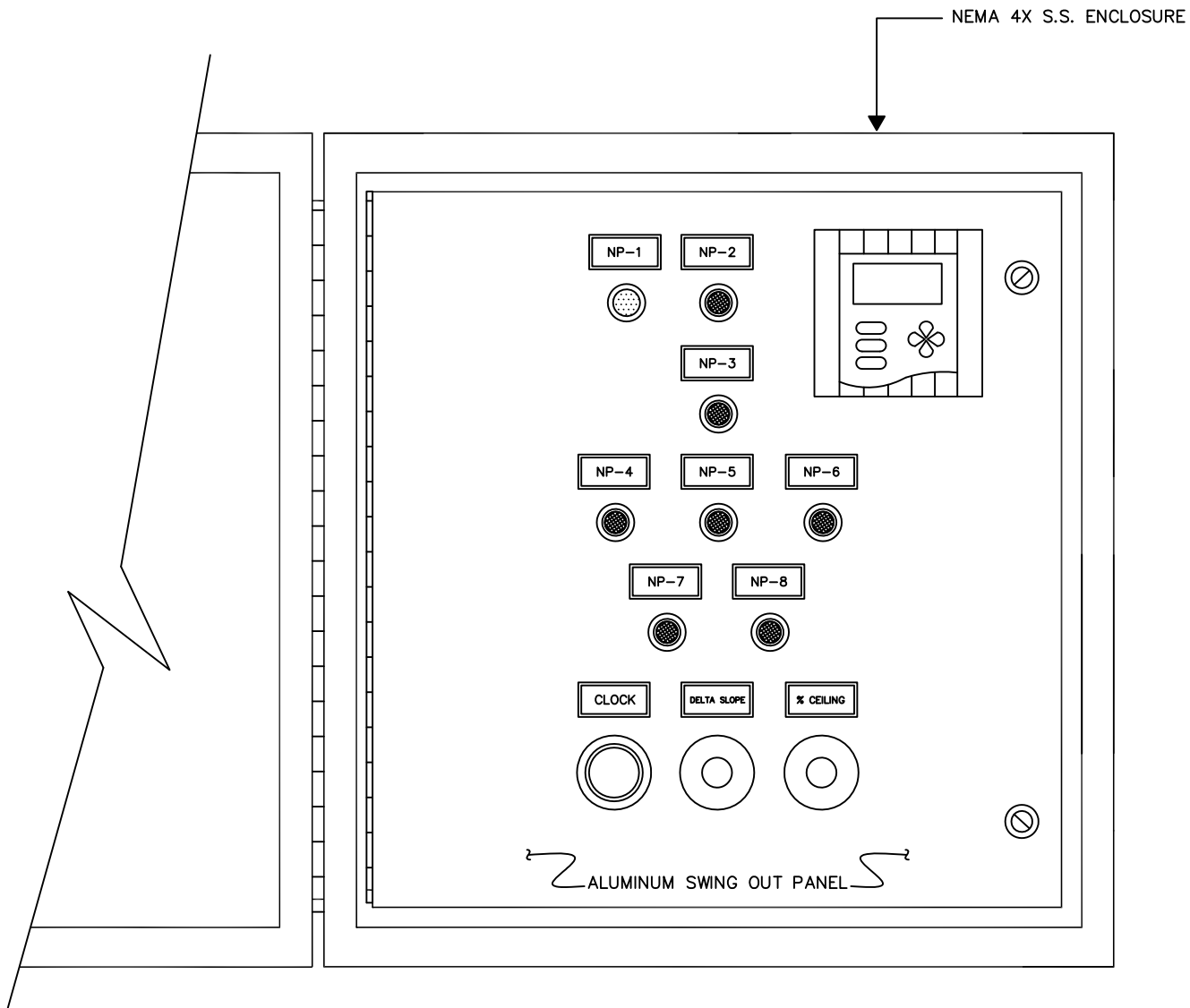


SWITCH INPUTS

CP-1650

LEGEND	
SYMBOL	DESCRIPTION
—	PANEL WIRING
---	FIELD WIRING

United Industries, Inc. <i>Innovative Water And Wastewater Technologies</i>		
DATE	REVISION	
BY	DESIGNED: DESIGN	
	DRAWN : C.RACHAL	
	CHECKED : CHECK	
	APPROVED: APPROVE	
ORP CONTROL PANEL		DATE 9/08/03
TITLE CITY OF LAKE CHARLES WWTP D		SCALE N.T.S.
PROJECT		JOB NO.
		DWG NO. ORP-4



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 RESETING	
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
2=1.25
3=1.50
4=1.75
5=2.00
6=2.25
7=2.50


** 1=0
2=25
3=50
4=75

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<i>United Industries, Inc.</i> Innovative Water And Wastewater Technologies				
DATE	REVISION	BY	DESIGNED: DESIGN	
			DRAWN : C.RACHAL	
			CHECKED : CHECK	
			APPROVED: APPROVE	
ORP CONTROL PANEL				DATE 9/08/03
TITLE CITY OF LAKE CHARLES WWTP D				SCALE N.T.S.
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	IDEC	FC2A-C24A1	PLC	—
5	1	IDEC	PS5R-A24	POWER SUPPLY 24VDC	—
6	1	IDEC	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					

CP-1650

<i>United Industries, Inc.</i> <i>Innovative Water And Wastewater Technologies</i>			
DATE	REVISION	BY	
			DESIGNED: DESIGN
			DRAWN : C.RACHAL
			CHECKED : CHECK
			APPROVED: APPROVE
ORP CONTROL PANEL TITLE			DATE 9/08/03
			SCALE N.T.S.
CITY OF LAKE CHARLES WWTP D PROJECT			JOB NO.
			DWG NO. ORP-6