

PARSON & SANDERSON, INC.

PWCP
PROCESS WATER CONTROL PANEL
CITY OF LAKE CHARLES

PARSON & SANDERSON, INC.
P.O. BOX 958
METAIRIE, LA 70004
(504) 733-1330 Fax (504) 736-9348

VOLTAGE	480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2, 1	
HP	10, 7.5	
FLA	13, 10	
TYPE OF PUMP	Pump/Compressor	
MANUFACTURER		(Self-Priming, Submersible)
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Stainless Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR		(Floats, Bubbler, Other)
CAPACITORS		(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

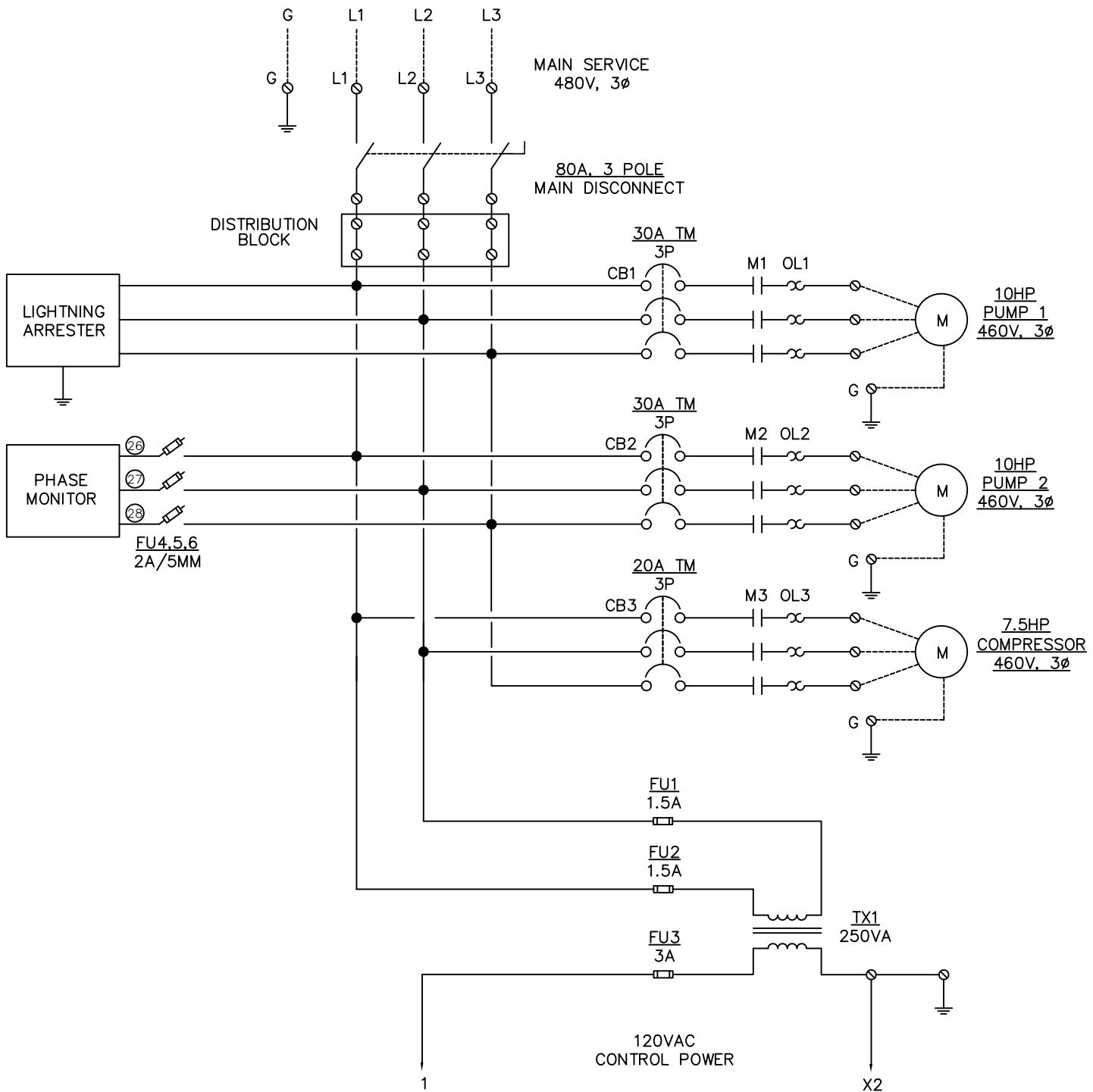
OPTIONS:

SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN		(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT		
LIGHT PANEL MTD		
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER		
PHASE MONITOR	X	
NEMA RATED STARTERS	X ABB	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

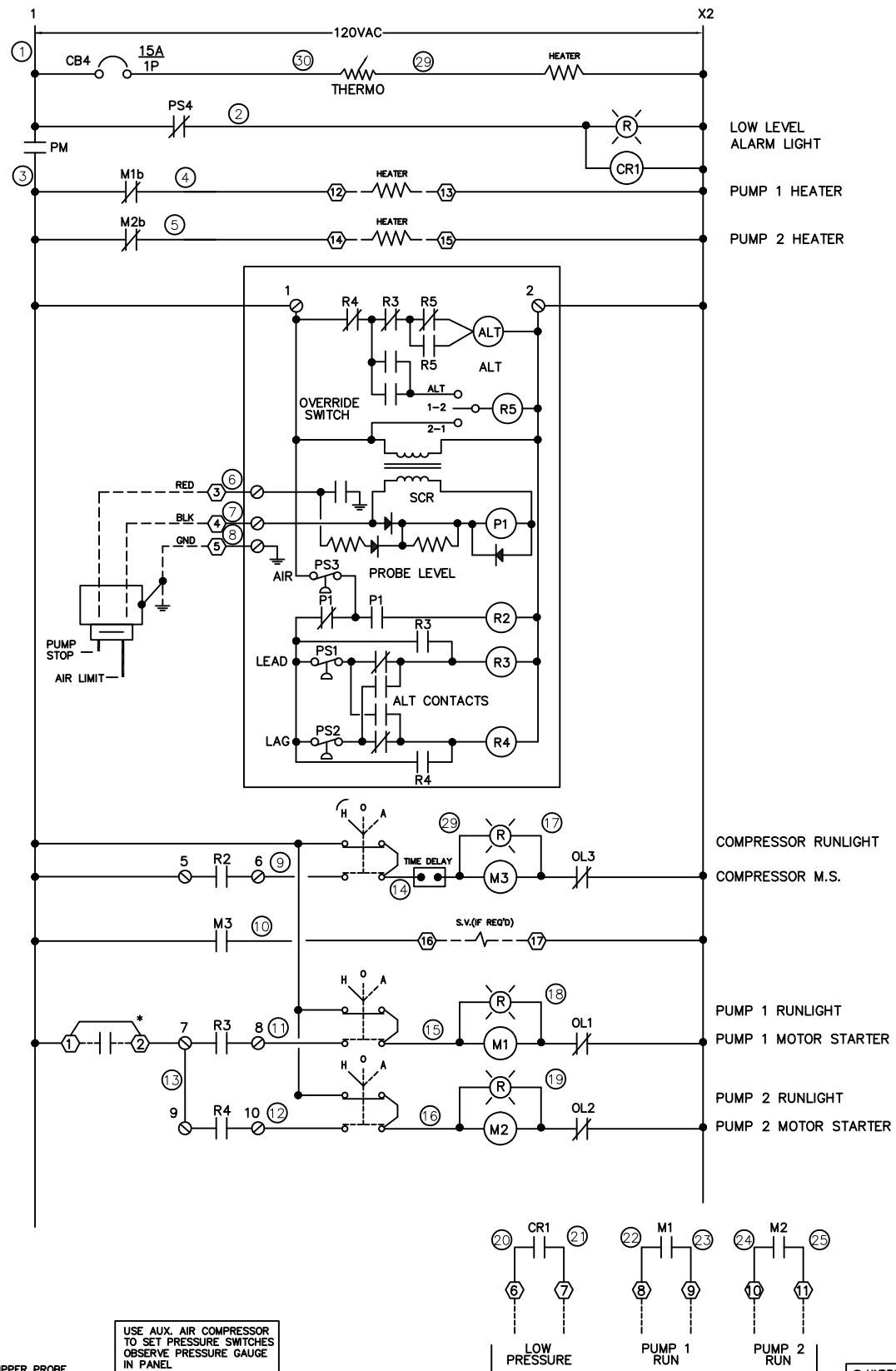
SOLD TO: Parson & Sanderson, Inc.
TAG : Lake Charles Wastewater Treatment Plant
Process Water Control Panel

SHIP TO: Lake Charles WWTP Plant D

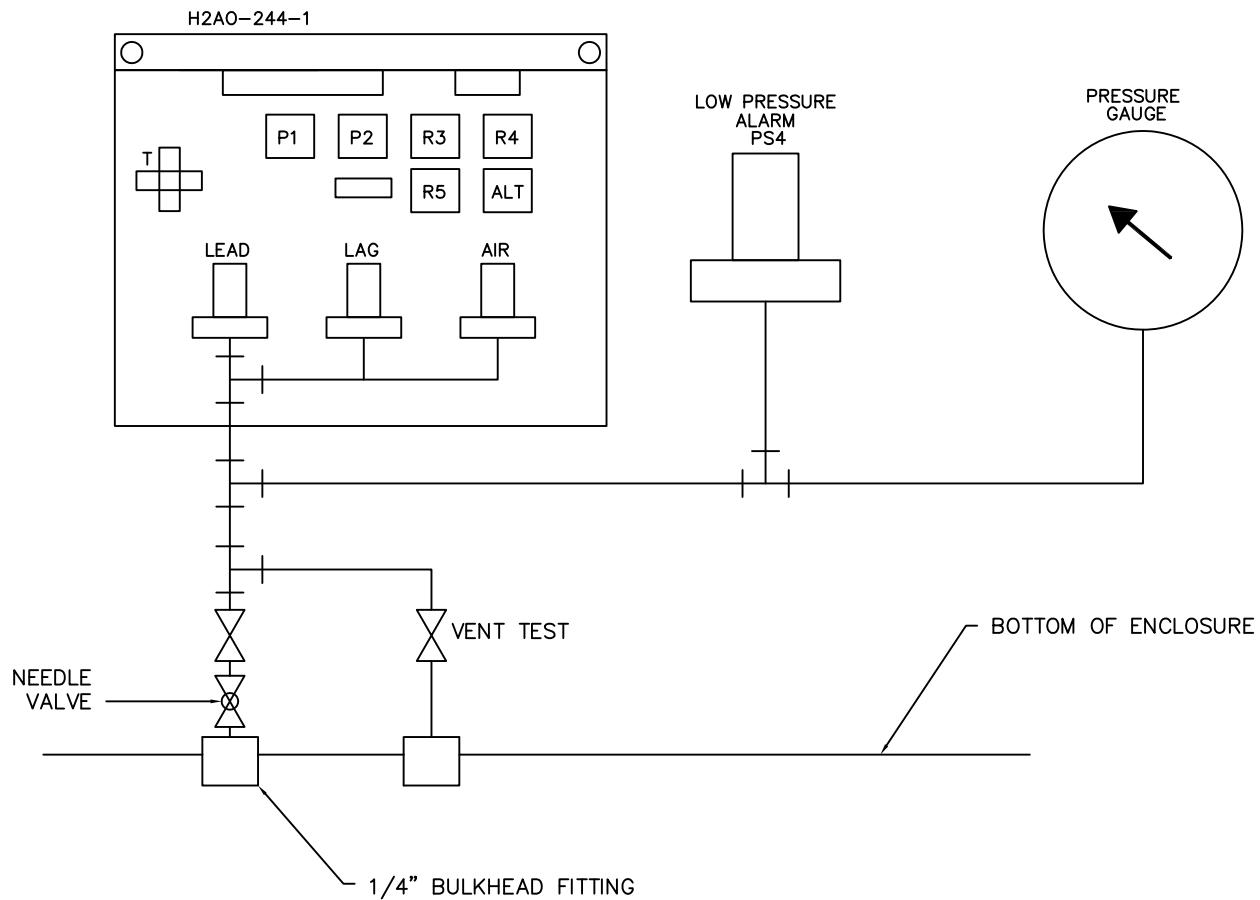
	Drawing Title						
	PANEL DESCRIPTION						
		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN
		S/N	Sales Engineer	Application Engineer	DRAWN	BY	APPROVED
DATE 2/05/04			C.C.	R.C.	BY C. RACHAL	BY	DATE
	Project Title					PURCHASE ORDER NUMBER	
	PROCESS WATER CONTROL PANEL	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				DRAWING NUMBER CP-1739	
						SHEET NUMBER 1	



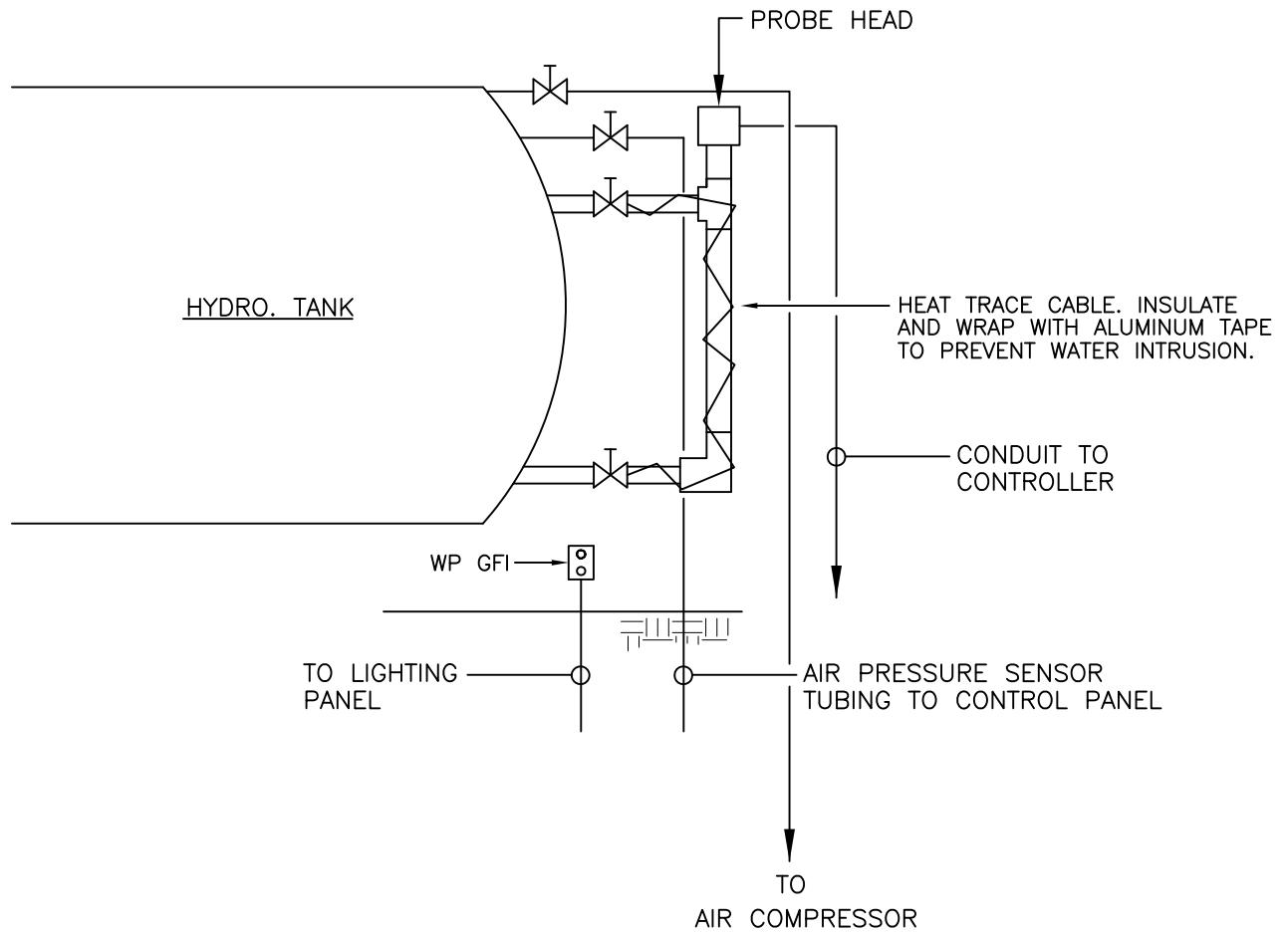
	Drawing Title						
	POWER DIAGRAM						
DATE 2/05/04	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY	
	Sales Engineer	Application Engineer R.C.					APPROVED BY DATE
	Project Title	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				PURCHASE ORDER NUMBER	
	PROCESS WATER CONTROL PANEL					DRAWING NUMBER CP-1739	
						SHEET NUMBER 2	



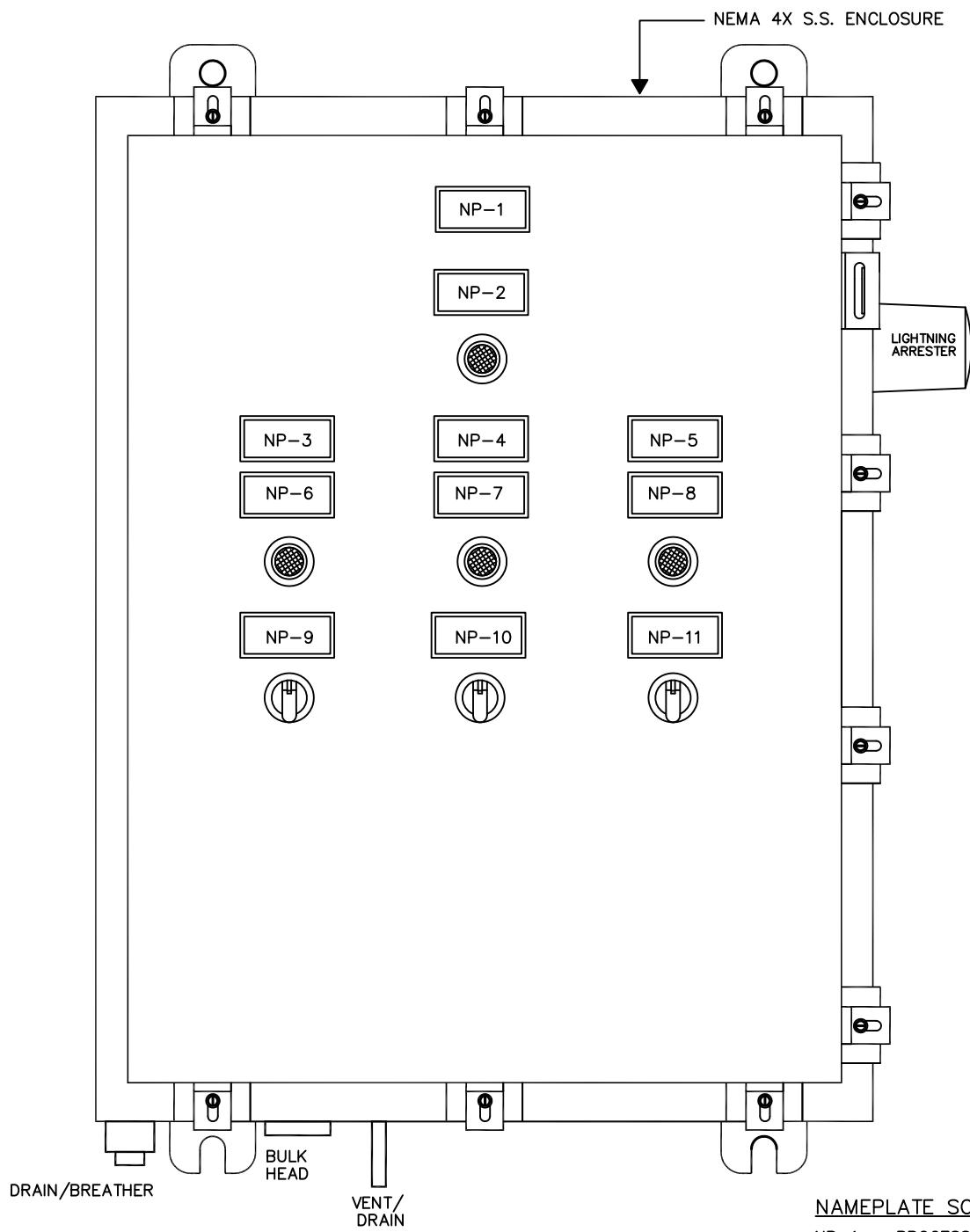
	Drawing Title					
	CONTROL DIAGRAM					
DATE 2/05/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
			DRAWN BY C. RACHAL	APPROVED BY	DATE	
Project Title	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348					PURCHASE ORDER NUMBER
PROCESS WATER CONTROL PANEL						DRAWING NUMBER CP-1739
						SHEET NUMBER 3



	Drawing Title					
	PRESSURE SWITCH PIPING					
DATE 2/05/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	BY
	Project Title	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348			PURCHASE ORDER NUMBER	
	PROCESS WATER CONTROL PANEL				DRAWING NUMBER CP-1739	
					SHEET NUMBER 4	



	Drawing Title					
	HYDRO TANK PIPING					
	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 2/05/04	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
	C.C.		R.C.	BY C. RACHAL	BY	DATE
	Project Title	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				PURCHASE ORDER NUMBER
	PROCESS WATER CONTROL PANEL					DRAWING NUMBER CP-1739
						SHEET NUMBER 5



VIEW OF FRONT DOOR

NAMEPLATE SCHEDULE

NP-1	PROCESS WATER CONTROL PANEL PWCP
NP-2	LOW LEVEL
NP-3	PUMP 1
NP-4	PUMP 2
NP-5	COMPRESSOR
NP-6	RUN
NP-7	RUN
NP-8	RUN
NP-9	HOA
NP-10	HOA
NP-11	HOA

	Drawing Title					
	ENCLOSURE					
DATE 2/05/04	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY
	Sales Engineer	Application Engineer R.C.			APPROVED	
				BY	DATE	
	Project Title	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348			PURCHASE ORDER NUMBER	
	PROCESS WATER CONTROL PANEL				DRAWING NUMBER CP-1739	
					SHEET NUMBER 6	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S363010N4X	ENCLOSURE
1a	1	EBE	3630P	BACKPLATE
2	2	ABB	S1N030TL	CB1,2
3	1	ABB	S1N020TL	CB3
4	1	MLC	H2AO-244-1	HYDROMASTER
5	1	MLC	R-B PROBE ASSY	BRONZE PROBE HEAD
6	1	DAYTON	4BA54	30W HEATER
7	1	IDEA	RY2S-U	CR1
8	1	SQUARE D	9012GRG4	PRESSURE SWITCH PS4
9	1	AMTEK	5HK68	PRESSURE GAUGE
10	1	MARATHON	1323580	DISTRIBUTION BLOCK
11	1	SQUARE D	QOU115	CB4
12	3	ABB	A26N1-30-10-84	M1,M2,M3
13	1	DELTA	LA603	LIGHTNING ARRESTER
14	1	SSAC	PLMU-11	PHASE MONITOR
15	1	ABB	OT63E3	DISCONNECT SWITCH
16	1	SQUARE D	9070TF250D1	TRANSFORMER
17	1	A-B	800H-JR4A	HOA SPRING RETURN FROM LEFT
18	2	ABB	CAL5-11	AUX. CONTACT
19	4	A-B	800H-QRT10R	RED PTT PILOT LIGHT
20	2	A-B	800H-JR2A	H-O-A SWITCH
21	2	ABB	TA25DU14	O.L. RELAY (10-14A)
22	1	ABB	TA25DU11	O.L. RELAY (7.5-11A)
23	1	DAYTON	2A561	TIME DELAY
24				
25				

	Drawing Title							
	BILL OF MATERIALS							
			REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 2/05/04			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
				C.C.	R.C.	BY C. RACHAL	BY	DATE
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	PROCESS WATER CONTROL PANEL					DRAWING NUMBER		CP-1739
						SHEET NUMBER		7