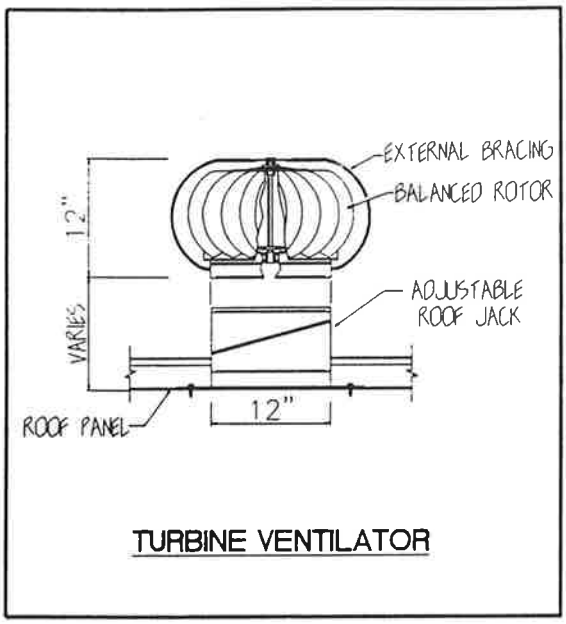
ROOF VENTILATORS



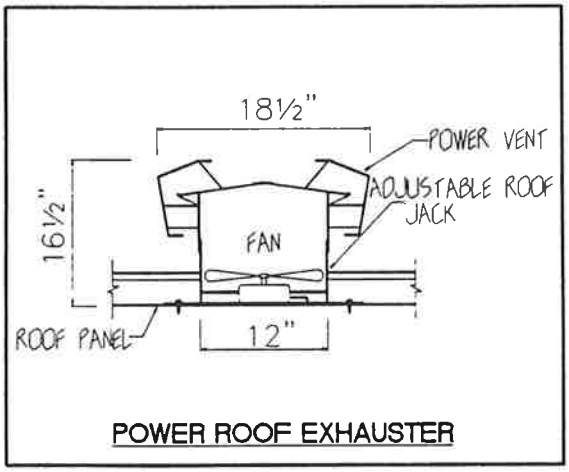
TURBINE VENTILATOR

PRODUCT DESCRIPTION

TURBINE VENT

Turbine vent shall be wind driven rotary type gravity roof ventilator, with 8" or 12" diameter throat, fabricated from galvanized steel, externally braced.

VENT SIZE	TEMP. DIFF. °F	EXHAUST CAP. (CFM) @ WIND OF 5 MPH	ROOF
12"	20°	580	3" & 4"
8"	20°	255	6"



POWER ROOF EXHAUSTER

POWER ROOF EXHAUSTER

Aluminum power roof exhauster for 3" or 4" roof shall have a 12" diameter throat, capable of 280 CFM air movement at 1/8" static pressure and shall be equipped with U.L. listed adjustable thermostats. Power requirements of exhauster shall be 4.1 amps at 120 volts. An intake louver of 115 square inches minimum free air area shall be required for each exhauster.

PRODUCT NAME

Roof Ventilators

MANUFACTURER

Parkline, Inc.
P.O. Box 65
Winfield, West Virginia 25213
Phone: (304) 586-2113 in WV
(800) 786-4855 outside WV
(304) 586-3842 FAX

PARKLINE, INC.

13122 RVM

EOS RESEARCH LTD.
ProControl Series II

ProView Configuration File Information

***** FAX Recipient:	FRANK LEVANTI *****
***** Customer:	ENVIROTRAC SERVICES *****
***** Site Location:	NORTH CASTLE NY *****
***** Setup:	1 *****
***** Option:	A *****
***** Type:	0 *****
***** Serial Number:	10255 *****
***** Date:	01/14/98 *****
***** Time:	16:04:09 *****
***** ProView:	Version 1.804 *****

THE INPUTS INCLUDED IN THIS SYSTEM ARE:

#	TAGNAME	TAGNAME DESCRIPTION	SETUP*	RANGE
1	BAGPRS	Bag Filters High Differential Pressure	D,NO,AL	
2	CRBPRS	Carbon Units High Differential Pressure	D,NO,AL	
3	ILFPRS	In-Line Filter High Differential Pressure	D,NO,AL	
4	SUMPHH	Wastewater Sump High-High Level	D,NO,AL	
5	SUMPHL	Wastewater Sump High/Low Level	D,NO,ST	
6	EFFLHH	Effluent Tank High-High Level	D,NO,AL	
7	EFFLHL	Effluent Tank High/Low Level	D,NO,ST	
8	CBSNHL	Catch Basin High/Low Level	D,NO,AL	
9	RW1RUN	Recovery Well #1 Pump Run Indicator	D,NO,ST	
10	RW2RUN	Recovery Well #2 Pump Run Indicator	D,NO,ST	
11	RW3RUN	Recovery Well #3 Pump Run Indicator	D,NO,ST	
12	SMPRUN	Wastewater Sump Pump Run Indicator	D,NO,ST	
13	EFFRUN	Effluent Pump Run Indicator	D,NO,ST	
14	LMPTST	Lamp Test Button	D,NO,ST,LT	
15	E_STOP	Emergency Stop	D,NO,AL,SD	
16	RESET	Reset Switch	D,NO,ST,SU	
17	RW1FLO	Recovery Well #1 Flow	A,EP,AL	0-30 GPM
18	RW2FLO	Recovery Well #2 Flow	A,EP,AL	0-30 GPM
19	RW3FLO	Recovery Well #3 Flow	A,EP,AL	0-30 GPM
25	RW1LVL	Recovery Well #1 Level	A,EP,AL	0-230 FT
26	RW2LVL	Recovery Well #2 Level	A,EP,AL	0-115.3 FT
27	RW3LVL	Recovery Well #3 Level	A,EP,AL	0-230 FT
28	RW1PRS	Recovery Well #1 Discharge Pressure	A,EP,AL	0-60 PSI
29	RW2PRS	Recovery Well #2 Discharge Pressure	A,EP,AL	0-60 PSI
30	RW3PRS	Recovery Well #3 Discharge Pressure	A,EP,AL	0-60 PSI
32	ACFAIL	AC Power Failure	D,NC,AL	

*INPUT SETUP NOTES

D - This input is a (Discrete) or ON/OFF Input.
A - This input is a (Analog) or Variable Input.
NO-This input is a (Normally Open) Discrete Input.
NC-This input is a (Normally Closed) Discrete Input.
EP-(Endpoint) This input is "Active" when its value is outside the low to high alarm levels.
ST-(Status) This input shows a green LED in ProView when it is in its Active State.
AL-(Alarm) This input shows a red alarm bell in ProView when it is in its Active State.
SU-(Startup) This is a menu function input. When activated it will run the startup routine.
SD-(Shutdown) This is a menu function input. When activated it will run an emergency shutdown.
SQ-(Square Root) This analog channel's reading is proportional to the square root of the input.
LT-(Lamp Test)This is a Lamp Test input. When activated it will turn on all Alarm Light outputs.

THE DISCRETE OUTPUTS INCLUDED IN THIS SYSTEM ARE:

#	TAGNAME	TAGNAME DESCRIPTION	SETUP*
1	RW1PMP	Recovery Well #1 Pump	
2	RW2PMP	Recovery Well #2 Pump	
3	RW3PMP	Recovery Well #3 Pump	
4	SMPPMP	Wastewater Sump Pump	
5	EFFPMP	Effluent Pump	
6	W1LLVL	Recovery Well #1 Low Level Alarm	LT,AI
7	W1HPRS	Recovery Well #1 Discharge Pressure High Alarm	LT,AI
8	W1LFLO	Recovery Well #1 Low Flow Alarm	LT,AI
9	W1MOTR	Recovery Well #1 Pump Motor Failure	LT,AI
10	W2LLVL	Recovery Well #2 Low Level Alarm	LT,AI
11	W2HPRS	Recovery Well #2 Discharge Pressure High Alarm	LT,AI
12	W2LFLO	Recovery Well #2 Low Flow Alarm	LT,AI
13	W2MOTR	Recovery Well #2 Pump Motor Failure	LT,AI
14	W3LLVL	Recovery Well #3 Low Level Alarm	LT,AI
15	W3HPRS	Recovery Well #3 Discharge Pressure High Alarm	LT,AI
16	W3LFLO	Recovery Well #3 Low Flow Alarm	LT,AI
17	W3MOTR	Recovery Well #3 Pump Motor Failure	LT,AI
18	BAGALM	Bag Filter Pressure High Alarm	LT,AI
19	CRBALM	Carbon Unit Pressure High Alarm	LT,AI
20	EFFALM	Effluent Tank High-High Level Alarm	LT,AI
21	SMPALM	Wastewater Sump High-High Level Alarm	LT,AI
22	CBNALM	Catch Basin High Level Alarm	LT,AI

*OUTPUT SETUP NOTES

LT-(Lamp Test) - This output has been declared as an alarm light.
AI-(Alternate Image) - This output is displayed as an icon other than the default switch.

THE PROCESS CONTROL TASKS EXERCISED BY THIS SYSTEM ARE:

Process 1: If BAGPRS is ON THEN
Delay for 5 Seconds, Send Report[FAX #1;FAX #2;Page #1;Page #2], Initiate Shutdown, Switch BAGALM ON
Page Message: ' '

Process 2: If CRBPRS is ON THEN
Delay for 5 Seconds, Send Report[FAX #1;FAX #2;Page #1;Page #2], Initiate Shutdown, Switch CRBALM ON
Page Message: ' '

Process 3: If ILFPRS is ON THEN
Delay for 5 Seconds, Send Report[FAX #1;FAX #2;Page #1;Page #2], Switch SMPPMP OFF AND MEM_4 ON
Page Message: ' '

Process 4: If SUMPHH is ON THEN
Delay for 5 Seconds, Send Report[FAX #1;FAX #2;Page #1;Page #2], Initiate Shutdown, Switch SMPALM ON
Page Message: ' '

Process 5: If SUMPHL is ON AND MEM_4 is OFF AND MEM_5 is OFF THEN
Delay for 5 Seconds, Switch SMPPMP ON

Process 6: If SUMPHL is OFF THEN
Switch SMPPMP OFF

Process 7: If EFFLHH is ON THEN
Delay for 5 Seconds, Send Report[FAX #1;FAX #2;Page #1;Page #2], Initiate Shutdown, Switch EFFALM ON
Page Message: ' '

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Process 8: If EFFLHL is ON AND MEM_5 is OFF  THEN
Delay for 5 Seconds, Switch EFFPMP ON

Process 9: If EFFLHL is OFF  THEN
Switch EFFPMP OFF

Process 10: If CBSNHL is ON  THEN
Delay for 5 Seconds, Send Report[FAX #1;FAX #2;Page #1;Page #2], Switch CBNALM ON AND MEM_5 ON
Page Message: ' '

Process 11: If RW1RUN is OFF AND RW1PMP is ON  THEN
Delay for 5 Seconds, Send Report[FAX #1;FAX #2;Page #1;Page #2], Switch RW1PMP OFF AND W1MOTR ON
AND MEM_1 ON
Page Message: ' '

Process 12: If RW2RUN is OFF AND RW2PMP is ON  THEN
Delay for 5 Seconds, Send Report[FAX #1;FAX #2;Page #1;Page #2], Switch RW2PMP OFF AND W2MOTR ON
AND MEM_2 ON
Page Message: ' '

Process 13: If RW3RUN is OFF AND RW3PMP is ON  THEN
Delay for 5 Seconds, Send Report[FAX #1;FAX #2;Page #1;Page #2], Switch RW3PMP OFF AND W3MOTR ON
AND MEM_3 ON
Page Message: ' '

Process 14: If RW1RUN is ON AND RW1FLO is Low  THEN
Delay for 30 Seconds, Send Report[FAX #1;FAX #2;Page #1;Page #2], Switch RW1PMP OFF AND W1LFLO
ON AND MEM_1 ON
Page Message: ' '

Process 15: If RW2RUN is ON AND RW2FLO is Low  THEN
Delay for 30 Seconds, Send Report[FAX #1;FAX #2;Page #1;Page #2], Switch RW2PMP OFF AND W2LFLO
ON AND MEM_2 ON
Page Message: ' '

Process 16: If RW3RUN is ON AND RW3FLO is Low  THEN
Delay for 30 Seconds, Send Report[FAX #1;FAX #2;Page #1;Page #2], Switch RW3PMP OFF AND W3LFLO
ON AND MEM_3 ON
Page Message: ' '

Process 17: If RW1LVL is High AND MEM_1 is OFF AND MEM_5 is OFF  THEN
Delay for 5 Seconds, Switch RW1PMP ON

Process 18: If RW1LVL is Low  THEN
Switch RW1PMP OFF

Process 19: If RW1LVL is Low  THEN
Delay for 1 Minute, Send Report[FAX #1;FAX #2;Page #1;Page #2], Switch W1LLVL ON AND MEM_1 ON
Page Message: ' '

Process 20: If RW2LVL is High AND MEM_2 is OFF AND MEM_5 is OFF  THEN
Delay for 5 Seconds, Switch RW2PMP ON

Process 21: If RW2LVL is Low  THEN
Switch RW2PMP OFF

Process 22: If RW2LVL is Low  THEN
Delay for 1 Minute, Send Report[FAX #1;FAX #2;Page #1;Page #2], Switch W2LLVL ON AND MEM_2 ON
Page Message: ' '

Process 23: If RW3LVL is High AND MEM_3 is OFF AND MEM_5 is OFF  THEN
Delay for 5 Seconds, Switch RW3PMP ON
```

Process 24: If RW3LVL is Low THEN
Switch RW3PMP OFF

Process 25: If RW3LVL is Low THEN
Delay for 1 Minute, Send Report[FAX #1;FAX #2;Page #1;Page #2], Switch W3LLVL ON AND MEM_3 ON
Page Message: ' '

Process 26: If RW1PRS is High THEN
Delay for 5 Seconds, Send Report[FAX #1;FAX #2;Page #1;Page #2], Switch RW1PMP OFF AND W1HPRS ON AND MEM_1 ON
Page Message: ' '

Process 27: If RW2PRS is High THEN
Delay for 5 Seconds, Send Report[FAX #1;FAX #2;Page #1;Page #2], Switch RW2PMP OFF AND W2HPRS ON AND MEM_2 ON
Page Message: ' '

Process 28: If RW3PRS is High THEN
Delay for 5 Seconds, Send Report[FAX #1;FAX #2;Page #1;Page #2], Switch RW3PMP OFF AND W3HPRS ON AND MEM_3 ON
Page Message: ' '

Process 29: If MEM_1 is ON AND MEM_2 is ON AND MEM_3 is ON THEN
Send Report[FAX #1;FAX #2;Page #1;Page #2], Initiate Shutdown,
Page Message: ' '

Process 30: If ACFAIL is ON THEN
Delay for 10 Seconds, Send Report[FAX #1;FAX #2;Page #1;Page #2], Initiate Shutdown,
Page Message: ' '

Process 31: If MEM_5 is ON THEN
Switch RW1PMP OFF AND RW2PMP OFF AND RW3PMP OFF AND SMPPMP OFF AND EFFPMP OFF

Process 32: If CBSNHL is OFF THEN
Switch MEM_5 OFF

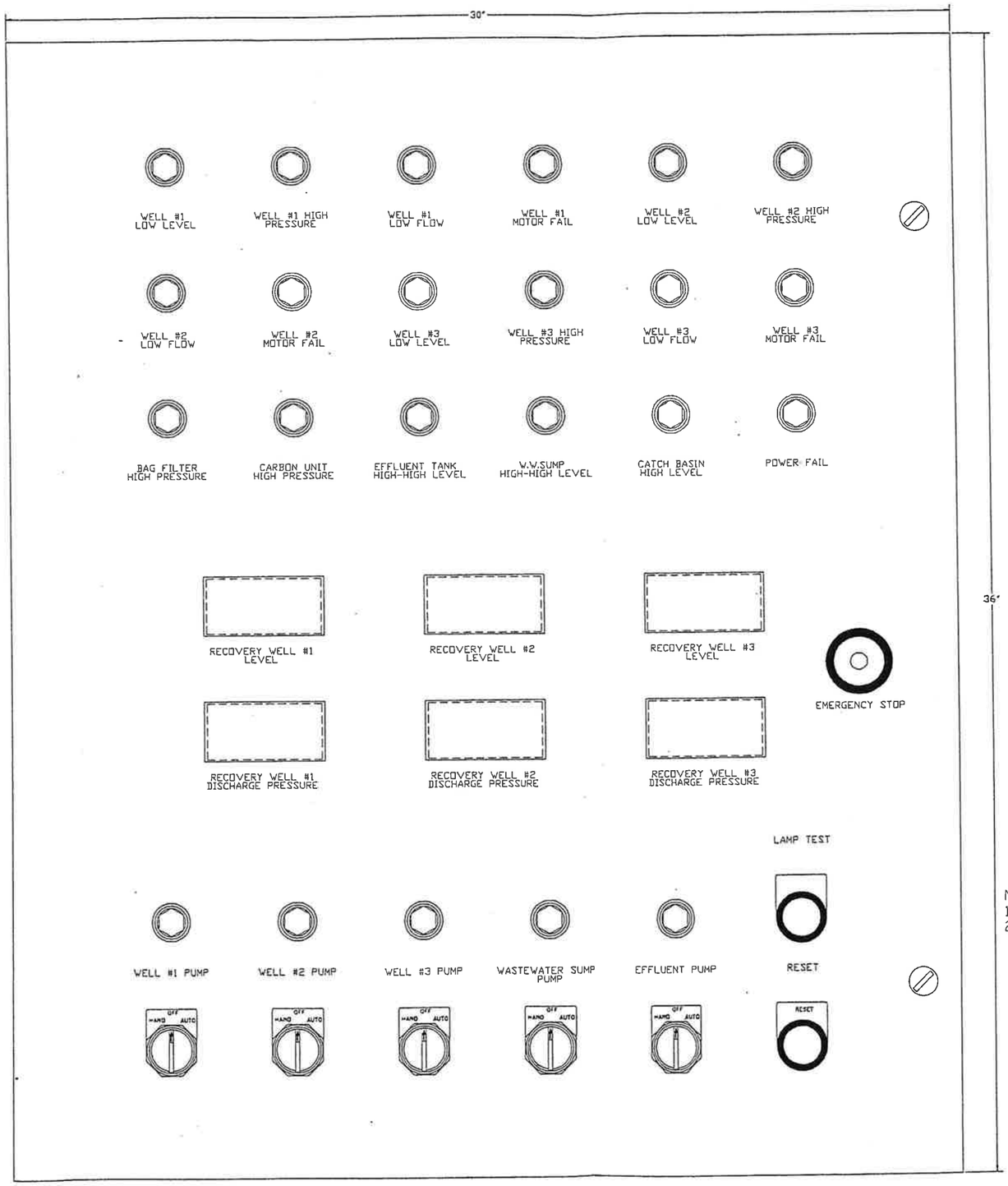
Startup 1:
Switch W1LLVL OFF AND W1HPRS OFF AND W1LFLO OFF AND W1MOTR OFF AND W2LLVL OFF AND W2HPRS OFF AND W2LFLO OFF AND W2MOTR OFF AND W3LLVL OFF AND W3HPRS OFF AND W3LFLO OFF AND W3MOTR OFF AND BAGALM OFF AND CRBALM OFF AND EFFALM OFF AND SMPALM OFF AND CBNALM OFF

Startup 2:
Switch MEM_1 OFF AND MEM_2 OFF AND MEM_3 OFF AND MEM_4 OFF AND MEM_5 OFF

Shutdown 1:
Switch RW1PMP OFF AND RW2PMP OFF AND RW3PMP OFF

Shutdown 2:
Delay for 2 Seconds, Switch SMPPMP OFF

Shutdown 3:
Delay for 2 Seconds, Switch EFFPMP OFF



LEGEND

- PANEL METER DISPLAY
- HAND/OFF/AUTO SWITCH
- RUN OR ALARM LIGHT
- PUSH BUTTON
- EMERGENCY STOP

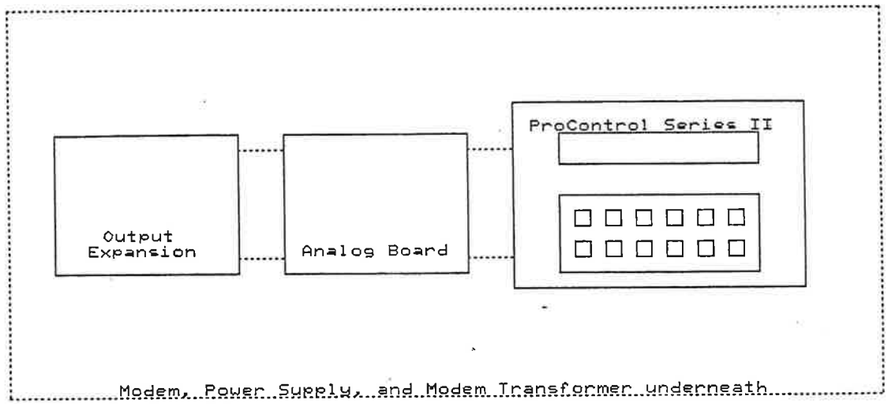
NOTES:
1. FLOW METER DISPLAYS WALL OR PIPE MOUNTED NEAR CONTROL PANEL.
2. PANEL DEPTH = 16"

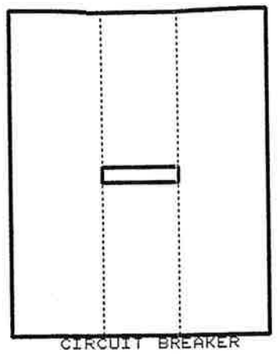
E O S research
210 West Road Portsmouth, NH

FIGURE: 1
PANEL DOOR LAYOUT
GROUND WATER TREATMENT SYSTEM
ARMONK PRIVATE WELL SITE
NORTH CASTLE, NY

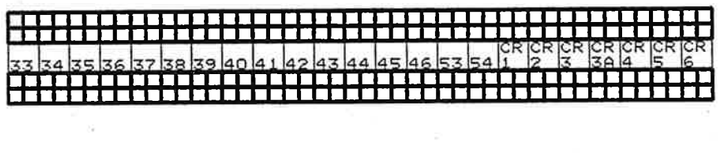
DATE: 1-7-98	DRAWN BY: DEK	PROJECT: 7235	SCALE: 1/4"=1"
DATE: 1-14-98	REVISED BY: DEK	PREPARED FOR:	
DATE: 1-15-98	REVISED BY: DEK	ENVIROTRAC SERVICES	

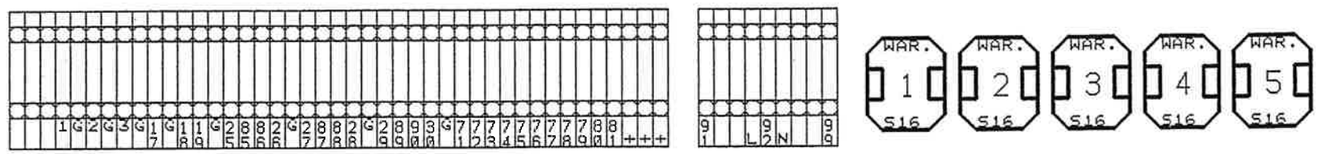
ETRAC1.DWG

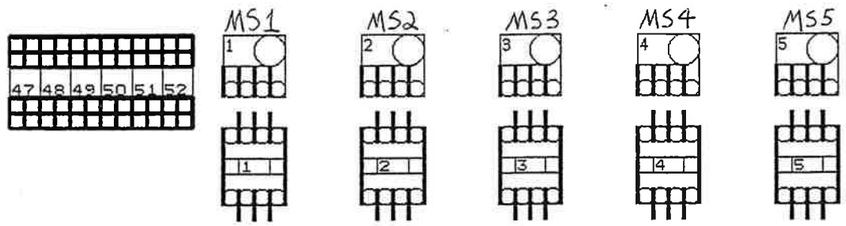




Neutral Bar







36"H x 30"W x 16"D With DOOR-IN-DOOR DISCONNECT
10 HOUR UPS IN SEPARATE ENCLOSURE

EOS RESEARCH LTD.

ENVIROTRAC ENVIRONMENTAL SERVICES
TAMS CONSULTANTS, INC.
ARMONK PRIVATE WELLS SITE
NORTH CASTLE, NY

LINK
O:\7235.LVW
O:\7235.HVW
O:\7235.EXP
O:\7235.HV2
O:\7235.WAR
O:\7235.UPS

Title		
ProControl 52 - LAYOUT		
Size B	Document Number 7235.LAY	REV C
Date: February 6, 1998	Sheet 1 of 7	

+24VDC

ProControl Series II

RECOVERY WELL #1 PUMP — CR33 — RW1PMP HV01
RECOVERY WELL #2 PUMP — CR34 — RW2PMP HV02
RECOVERY WELL #3 PUMP — CR35 — RW3PMP HV03
WASTEWATER SUMP PUMP — CR36 — SMPPMP HV04
EFFLUENT PUMP — CR37 — EFFPMP HV05
RECOVERY WELL #1 LOW LEVEL — CR38 — W1LLVL HV06
RECOVERY WELL #1 DISCHARGE PRES. HIGH — CR39 — W1HPRS HV07
RECOVERY WELL #1 LOW FLOW — CR40 — W1LFLO HV08
RECOVERY WELL #1 PUMP MOTOR FAILURE — CR41 — W1MOTR HV09
RECOVERY WELL #2 LOW LEVEL — CR42 — W2LLVL HV10
RECOVERY WELL #2 DISCHARGE PRES. HIGH — CR43 — W2HPRS HV11
RECOVERY WELL #2 LOW FLOW — CR44 — W2LFLO HV12
RECOVERY WELL #2 PUMP MOTOR FAILURE — CR45 — W2MOTR HV13
RECOVERY WELL #3 LOW LEVEL — CR46 — W3LLVL HV14

BAGPRS PIN01 — BAG FILTER HIGH DIFF. PRES. (1 — G)
CRBPRS PIN02 — CARBON UNITS HIGH DIFF. PRES. (2 — G)
ILFPRS PIN03 — IN-LINE FILTER HIGH DIFF. PRES. (3 — G)
SUMPHH PIN04 — WASTEWATER SUMP HIHI — Warrick S16 #1 (6 — 8)
SUMPHL PIN05 — WASTEWATER SUMP HILO — Warrick S16 #2 (6 — 8)
EFFLHH PIN06 — EFFLUENT TANK HIHI — Warrick S16 #3 (6 — 8)
EFFLHL PIN07 — EFFLUENT TANK HILO — Warrick S16 #4 (6 — 8)
CBSNHL PIN08 — CATCH BASIN HILO — Warrick S16 #5 (6 — 8)
RW1RUN PIN09 — RECOVERY WELL #1 PUMP RUN INDICATOR — N013 MS1 14
RW2RUN PIN10 — RECOVERY WELL #2 PUMP RUN INDICATOR — N013 MS2 14
RW3RUN PIN11 — RECOVERY WELL #3 PUMP RUN INDICATOR — N013 MS3 14
SMPRUN PIN12 — WASTEWATER SUMP PUMP RUN INDICATOR — N013 MS4 14
EFFRUN PIN13 — EFFLUENT PUMP RUN INDICATOR — N013 MS5 14
LMPTST PIN14 — LAMP TEST (4 — 3)
E_STOP PIN15 — CR1 (1 — 2 RESET) / CR2
RESET PIN16 — RESET (3 — 4)
DC GROUND

+24VDC
LAMP TEST (3 — 4)
1N4003 — CR6 — CR5 — CR4
1N4003 — CR1 — E-STOP LATCH
1N4003 — CR2 — E-STOP RELAY — E-STOP

EOS RESEARCH LTD.

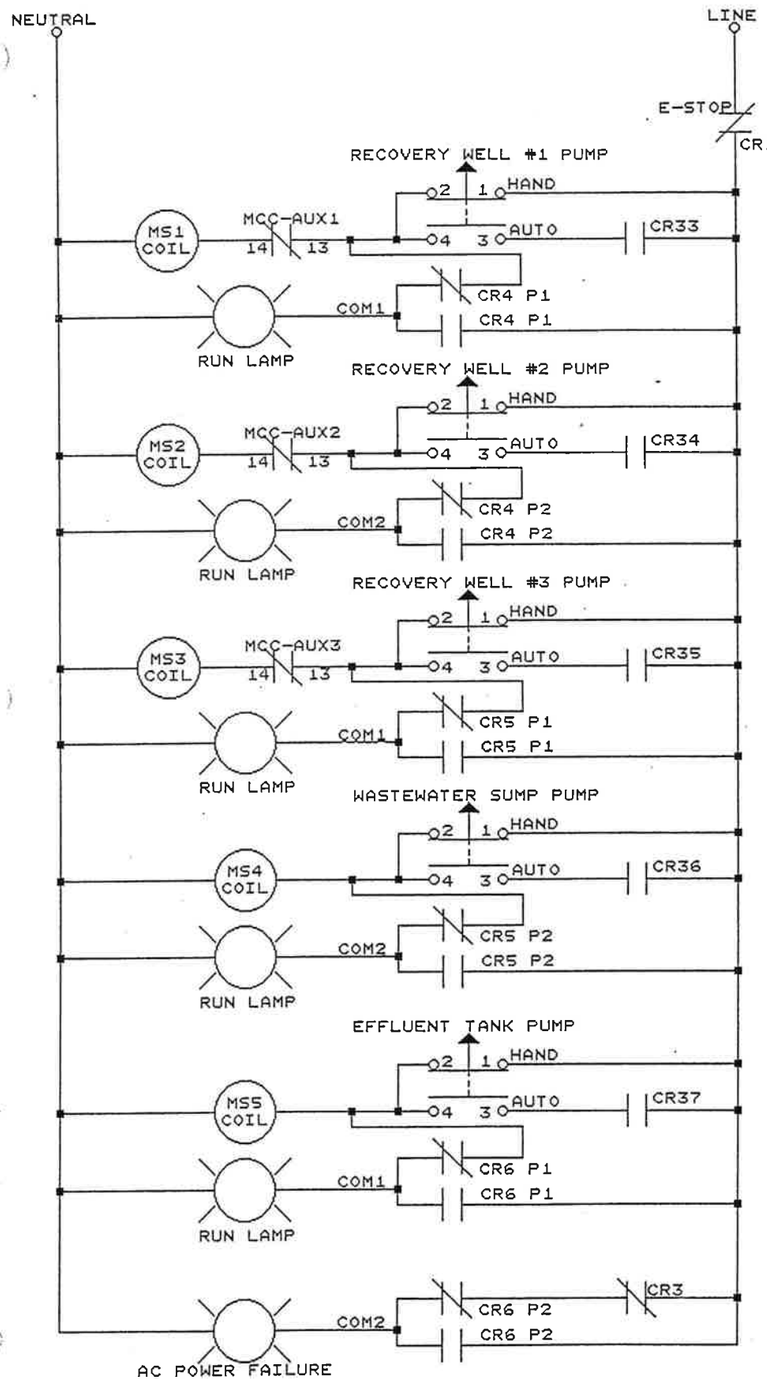
ENVIROTRAC ENVIRONMENTAL SERVICES
TAMS CONSULTANTS, INC.
ARMONK PRIVATE WELLS SITE
NORTH CASTLE, NY

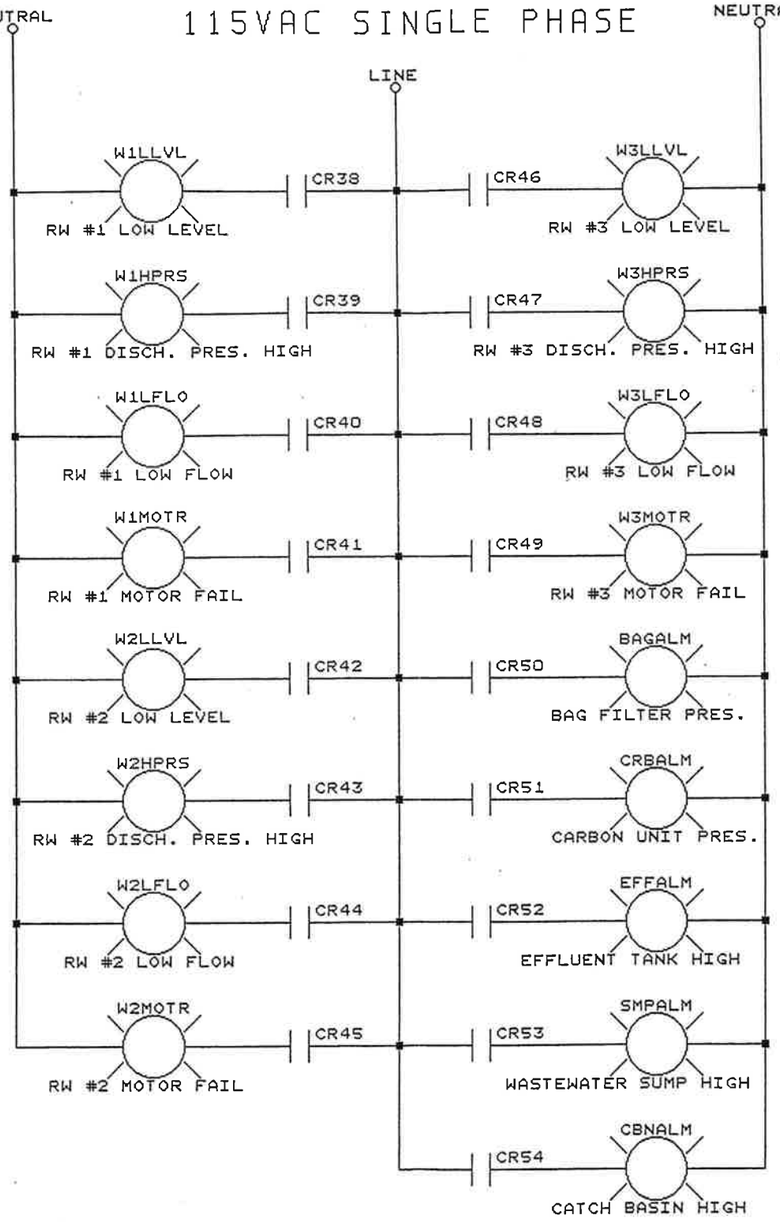
Title: ProControl S2 - Panel Wiring, Low Voltage

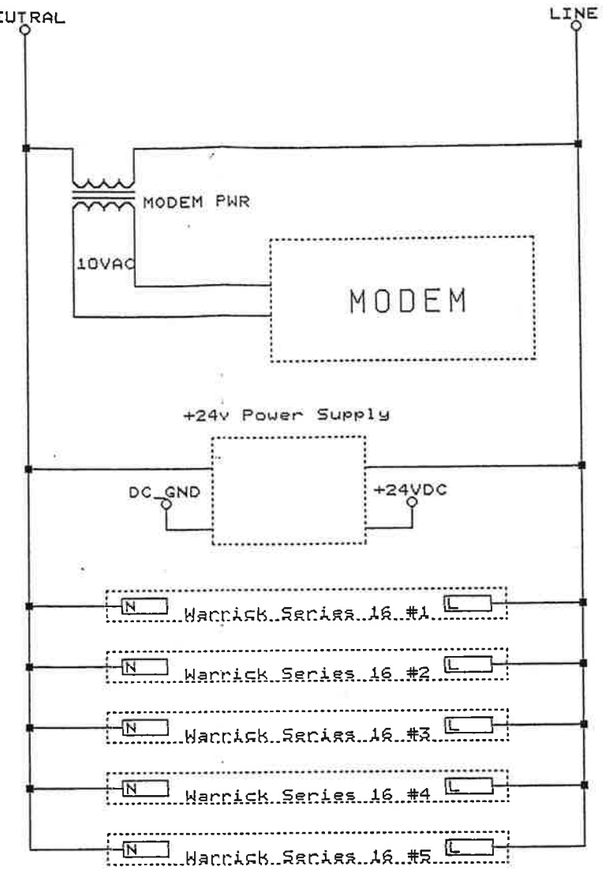
Size	Document Number	REV
B	7235.LVW	C

Date: February 6, 1998 | Sheet 2 of 7

115VAC SINGLE PHASE







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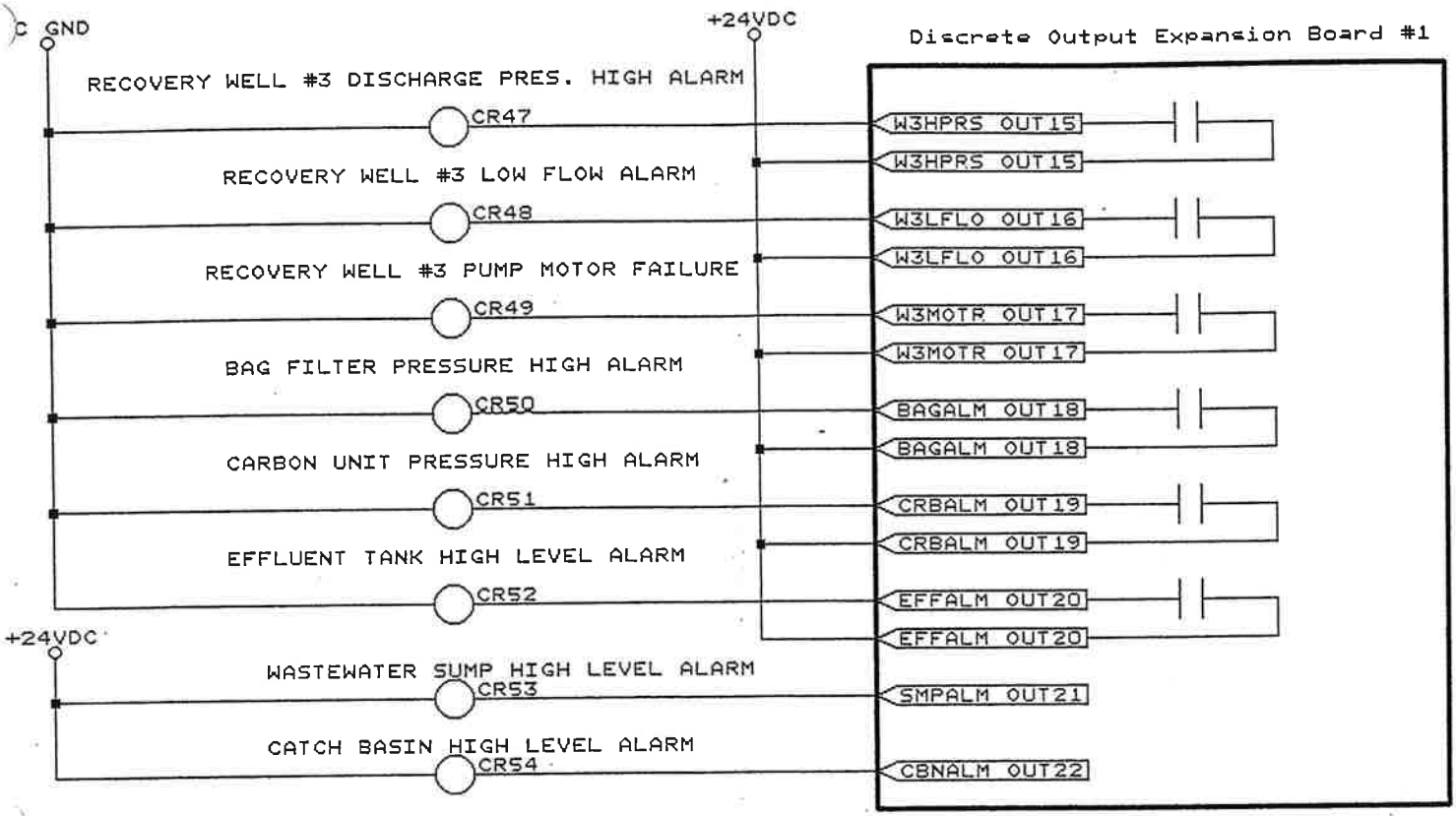
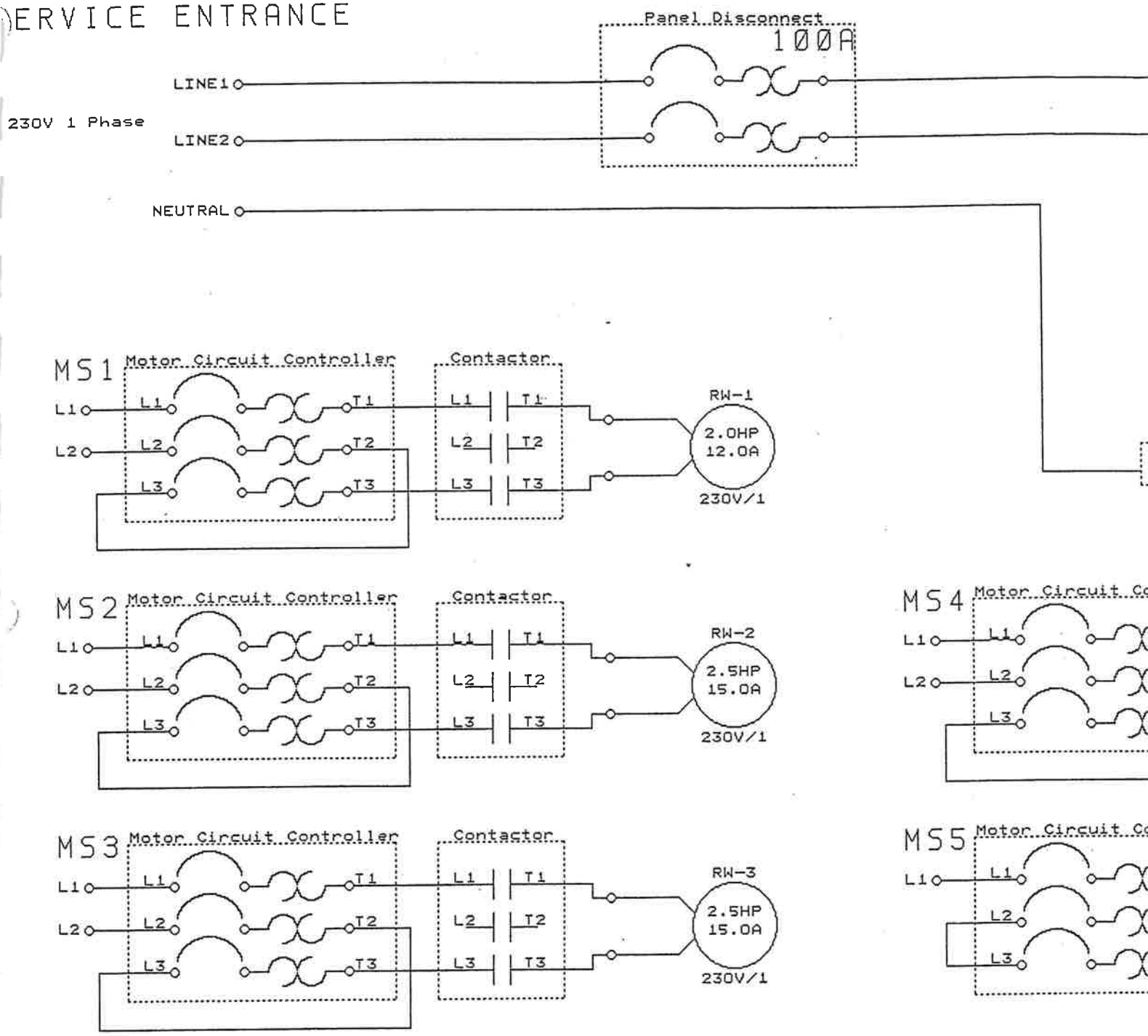
ENVIROTRAC ENVIRONMENTAL SERVICES
TAMS CONSULTANTS, INC.
ARMONK PRIVATE WELLS SITE
NORTH CASTLE, NY

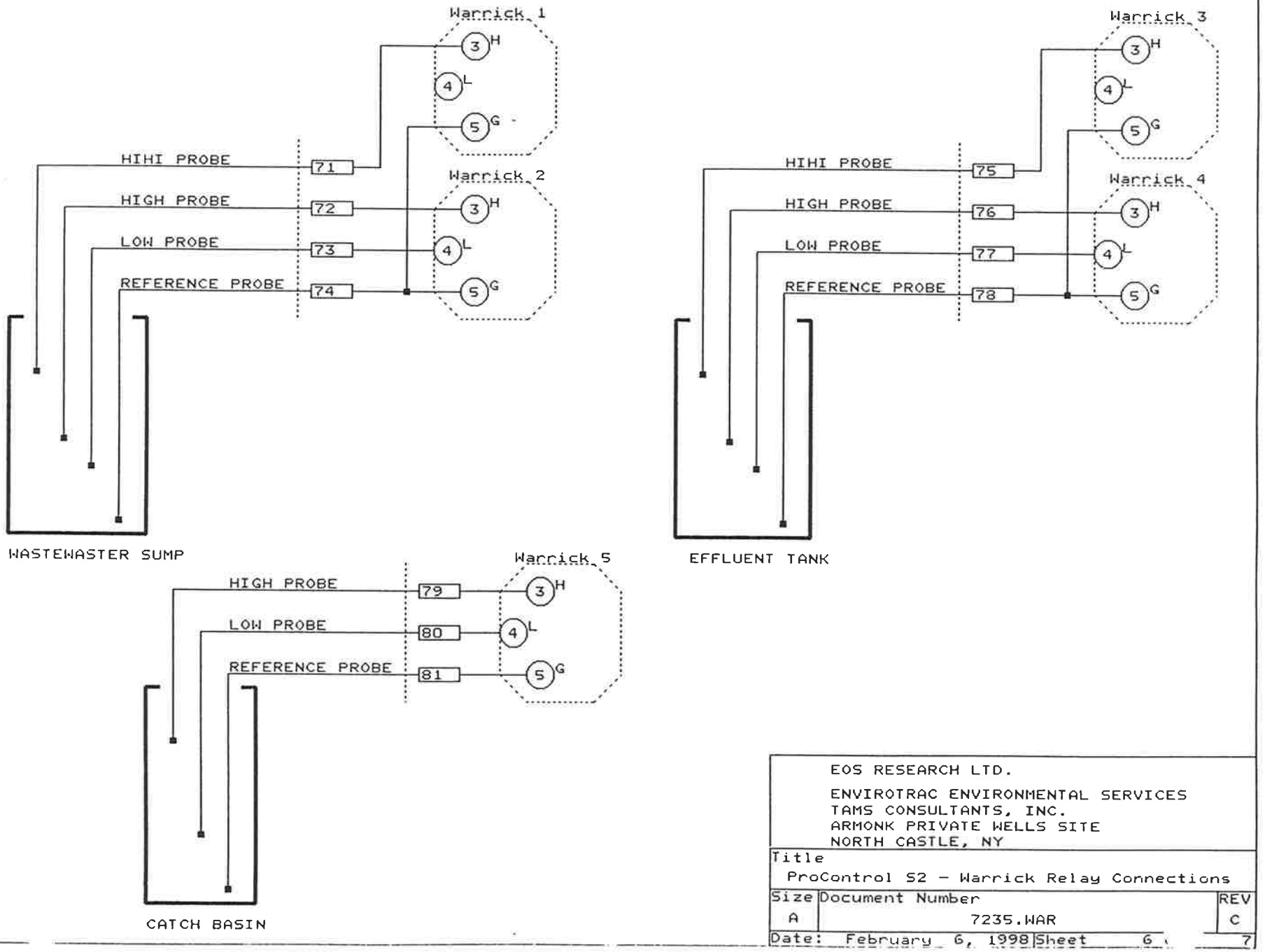
Title: ProControl S2 – HIGH VOLTAGE WIRING

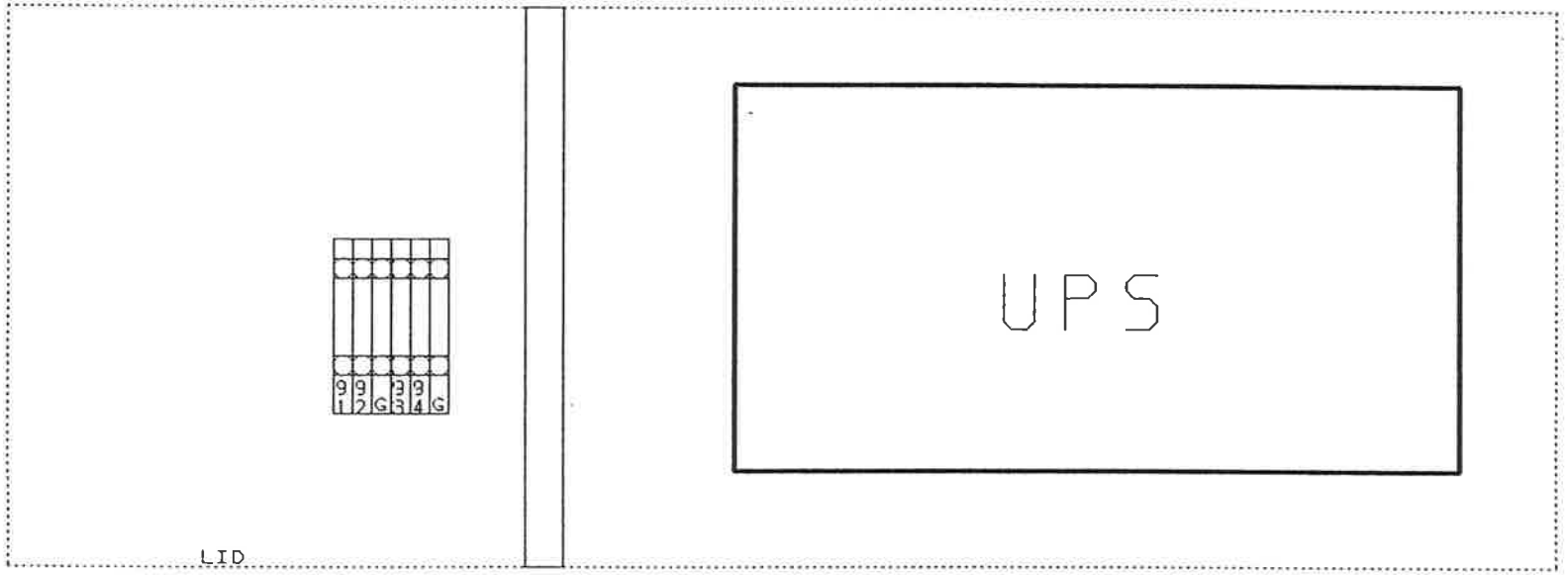
Size	Document Number	REV
B	7235.HVW	C

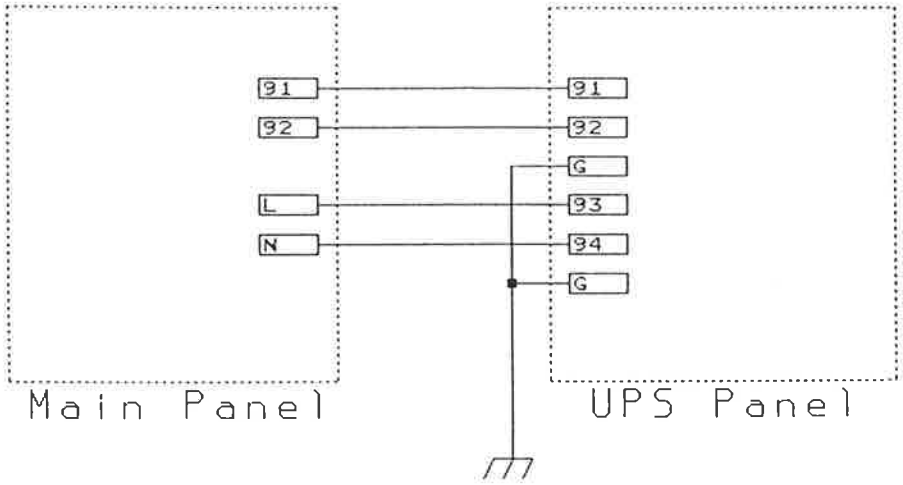
Date: February 9, 1998 Sheet 3 of 7


C GND
+24VDC
Discrete Output Expansion Board #1
RECOVERY WELL #3 DISCHARGE PRES. HIGH ALARM
CR47
W3HPRS OUT15
W3HPRS OUT15
RECOVERY WELL #3 LOW FLOW ALARM
CR48
W3LFLO OUT16
W3LFLO OUT16
RECOVERY WELL #3 PUMP MOTOR FAILURE
CR49
W3MOTR OUT17
W3MOTR OUT17
BAG FILTER PRESSURE HIGH ALARM
CR50
BAGALM OUT18
BAGALM OUT18
CARBON UNIT PRESSURE HIGH ALARM
CR51
CRBALM OUT19
CRBALM OUT19
EFFLUENT TANK HIGH LEVEL ALARM
CR52
EFFALM OUT20
EFFALM OUT20
+24VDC
WASTEWATER SUMP HIGH LEVEL ALARM
CR53
SMPALM OUT21
CATCH BASIN HIGH LEVEL ALARM
CR54
CBNALM OUT22


SERVICE ENTRANCE
Panel Disconnect
100A
LINE1
LINE2
230V 1 Phase
NEUTRAL
MS1
Motor Circuit Controller
Contactor
L1
L2
L3
T1
T2
T3
RW-1
2.0HP
12.0A
230V/1
MS2
RW-2
2.5HP
15.0A
MS3
RW-3
MS4
MS5


Warrick 1
3 H
4 L
5 G
HIHI PROBE
HIGH PROBE
LOW PROBE
REFERENCE PROBE
71
72
73
74
Warrick 2
3 H
4 L
5 G
WASTEWASTER SUMP
Warrick 3
3 H
4 L
5 G
HIHI PROBE
HIGH PROBE
LOW PROBE
REFERENCE PROBE
75
76
77
78
Warrick 4
3 H
4 L
5 G
EFFLUENT TANK
Warrick 5
HIGH PROBE
LOW PROBE
REFERENCE PROBE
79
80
81
3 H
4 L
5 G
CATCH BASIN
EOS RESEARCH LTD.
ENVIROTRAC ENVIRONMENTAL SERVICES
TAMS CONSULTANTS, INC.
ARMONK PRIVATE WELLS SITE
NORTH CASTLE, NY
Title
ProControl S2 - Warrick Relay Connections
Size
A
Document Number
7235.WAR
REV
C
Date: February 6, 1998
Sheet 6 of 7

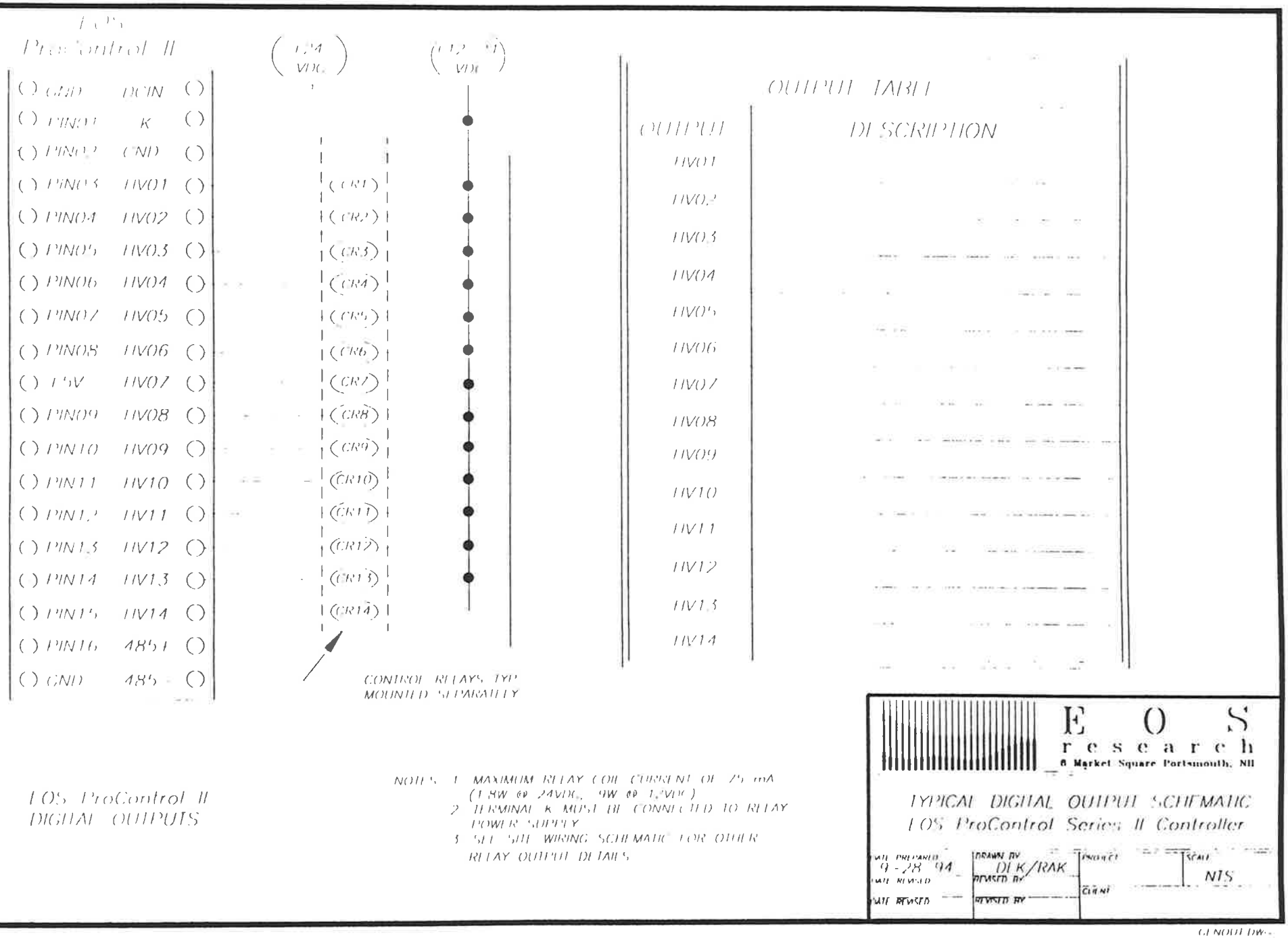


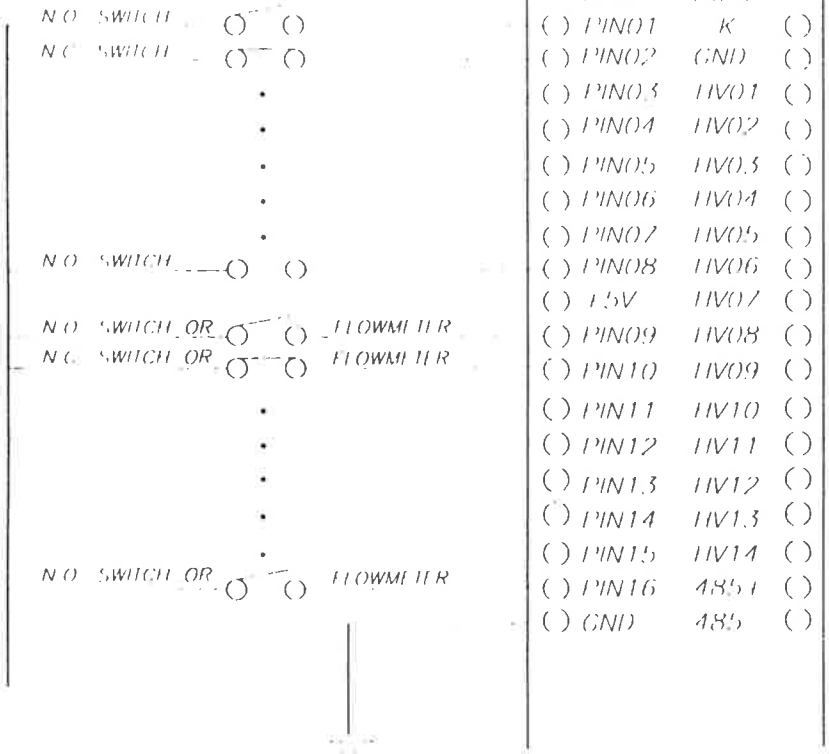


EOS RESEARCH LTD.

ENVIROTRAC ENVIRONMENTAL SERVICES
TAMS CONSULTANTS, INC.
ARMONK PRIVATE WELLS SITE
NORTH CASTLE, NY

Title		
ProControl S2 - UPS Layout & Wiring		
Size	Document Number	REV
A	7235.UPS	C
Date: February 9, 1998	Sheet 7 of 7	


EOS
ProControl II
( ) GND DCIN ( )
( ) PIN01 K ( )
( ) PIN02 GND ( )
( ) PIN03 HV01 ( )
( ) PIN04 HV02 ( )
( ) PIN05 HV03 ( )
( ) PIN06 HV04 ( )
( ) PIN07 HV05 ( )
( ) PIN08 HV06 ( )
( ) +5V HV07 ( )
( ) PIN09 HV08 ( )
( ) PIN10 HV09 ( )
( ) PIN11 HV10 ( )
( ) PIN12 HV11 ( )
( ) PIN13 HV12 ( )
( ) PIN14 HV13 ( )
( ) PIN15 HV14 ( )
( ) PIN16 485+ ( )
( ) GND 485- ( )
(CR1 VDC)
(CR2 - CR14 VDC)
(CR1)
(CR2)
(CR3)
(CR4)
(CR5)
(CR6)
(CR7)
(CR8)
(CR9)
(CR10)
(CR11)
(CR12)
(CR13)
(CR14)
CONTROL RELAYS TYP MOUNTED SEPARATELY
OUTPUT TABLE
OUTPUT
DESCRIPTION
HV01
HV02
HV03
HV04
HV05
HV06
HV07
HV08
HV09
HV10
HV11
HV12
HV13
HV14
EOS ProControl II
DIGITAL OUTPUTS
NOTES: 1 MAXIMUM RELAY COIL CURRENT OF 75 mA (1.8W @ 24VDC, 9W @ 12VDC)
2 TERMINAL K MUST BE CONNECTED TO RELAY POWER SUPPLY
3 SEE SITE WIRING SCHEMATIC FOR OTHER RELAY OUTPUT DETAILS
E O S
research
6 Market Square Portsmouth, NH
TYPICAL DIGITAL OUTPUT SCHEMATIC
EOS ProControl Series II Controller
DATE PREPARED 9-28-94
DRAWN BY DLK/RAK
SCALE NTS
DATE REVISED
REVISED BY
PROJECT
CLIENT



EOS
ProControl II

( ) GND	DCIN	( )
( ) PIN01	K	( )
( ) PIN02	GND	( )
( ) PIN03	HV01	( )
( ) PIN04	HV02	( )
( ) PIN05	HV03	( )
( ) PIN06	HV04	( )
( ) PIN07	HV05	( )
( ) PIN08	HV06	( )
( ) +5V	HV07	( )
( ) PIN09	HV08	( )
( ) PIN10	HV09	( )
( ) PIN11	HV10	( )
( ) PIN12	HV11	( )
( ) PIN13	HV12	( )
( ) PIN14	HV13	( )
( ) PIN15	HV14	( )
( ) PIN16	485+	( )
( ) GND	485-	( )

BASE INPUT TABLE

INPUT	TYPE	INPUT DESCRIPTION
PIN01		
PIN02		
PIN03		
PIN04		
PIN05		
PIN06		
PIN07		
PIN08		
PIN09		
PIN10		
PIN11		
PIN12		
PIN13		
PIN14		
PIN15		
PIN16		

NOTES: 1 CONTACT CLOSURE AND WIRING SHOULD HAVE A COMBINED IMPEDANCE OF LESS THAN 100 OHMS
2 TYPICAL WIRING SCHEME SHOWN

EOS research
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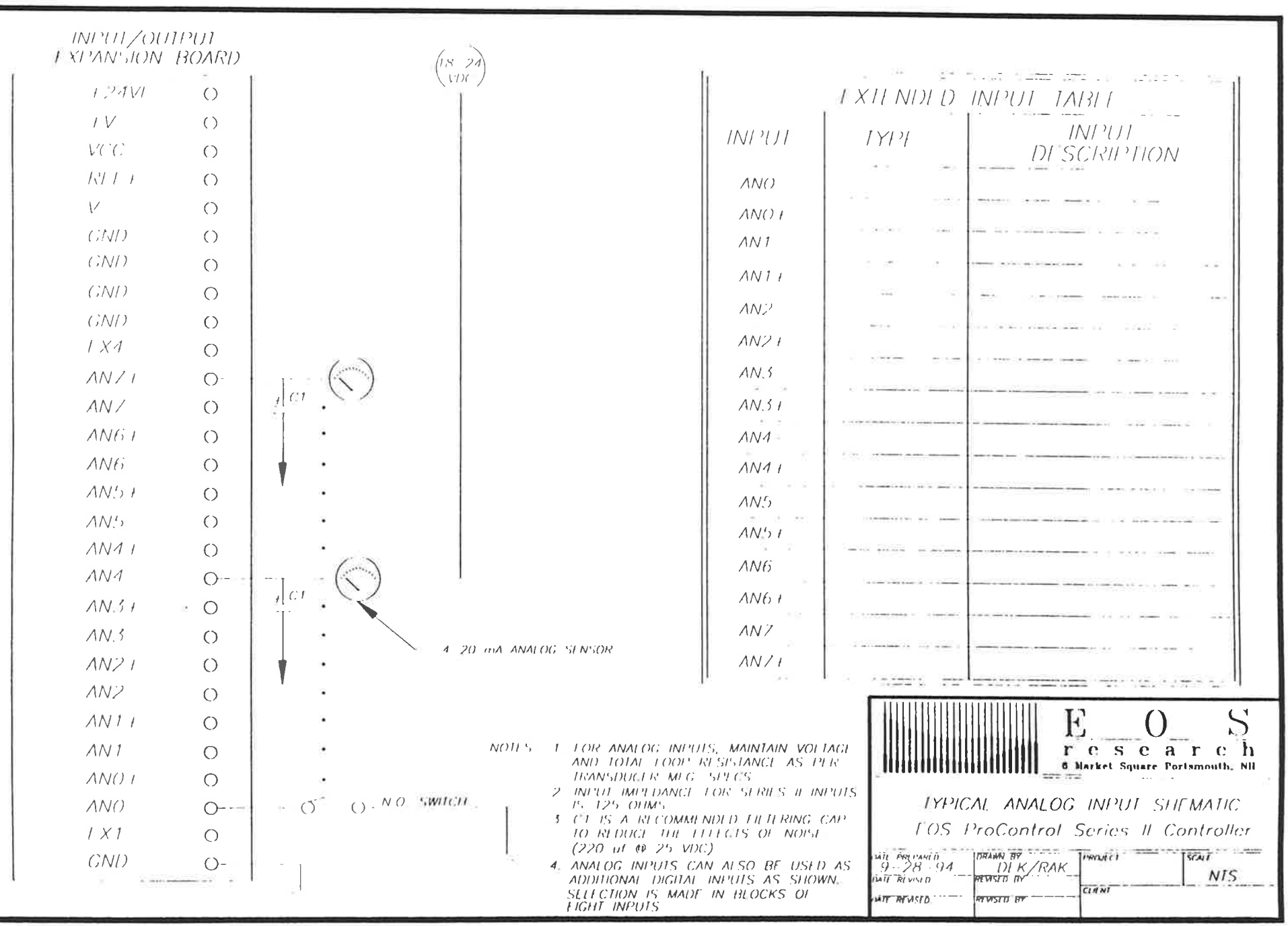
TYPICAL DIGITAL INPUT SCHEMATIC
EOS ProControl Series II Controller

DATE PREPARED 9 26 94	DRAWN BY DEK/RAK	PROJECT	SCALE NTS
DATE REVISED	REVISED BY	CLIENT	
DATE REVISED	REVISED BY		

GENDWG


INPUT/OUTPUT
EXPANSION BOARD
+24VI
+V
VCC
RET
-V
GND
GND
GND
GND
TX4
AN7+
AN7
AN6+
AN6
AN5+
AN5
AN4+
AN4
AN3+
AN3
AN2+
AN2
AN1+
AN1
AN0+
AN0
TX1
GND
(18-24 VDC)
+
C1
+
C1
4-20 mA ANALOG SENSOR
S1
N.O. SWITCH
NOTES
1. FOR ANALOG INPUTS, MAINTAIN VOLTAGE AND TOTAL LOOP RESISTANCE AS PER TRANSDUCER MFG. SPECS.
2. INPUT IMPEDANCE FOR SERIES II INPUTS IS 125 OHMS.
3. C1 IS A RECOMMENDED FILTERING CAP TO REDUCE THE EFFECTS OF NOISE (220 uf @ 25 VDC)
4. ANALOG INPUTS CAN ALSO BE USED AS ADDITIONAL DIGITAL INPUTS AS SHOWN. SELECTION IS MADE IN BLOCKS OF EIGHT INPUTS
EXTENDED INPUT TABLE
INPUT
TYPE
INPUT DESCRIPTION
AN0
AN0+
AN1
AN1+
AN2
AN2+
AN3
AN3+
AN4
AN4+
AN5
AN5+
AN6
AN6+
AN7
AN7+
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