

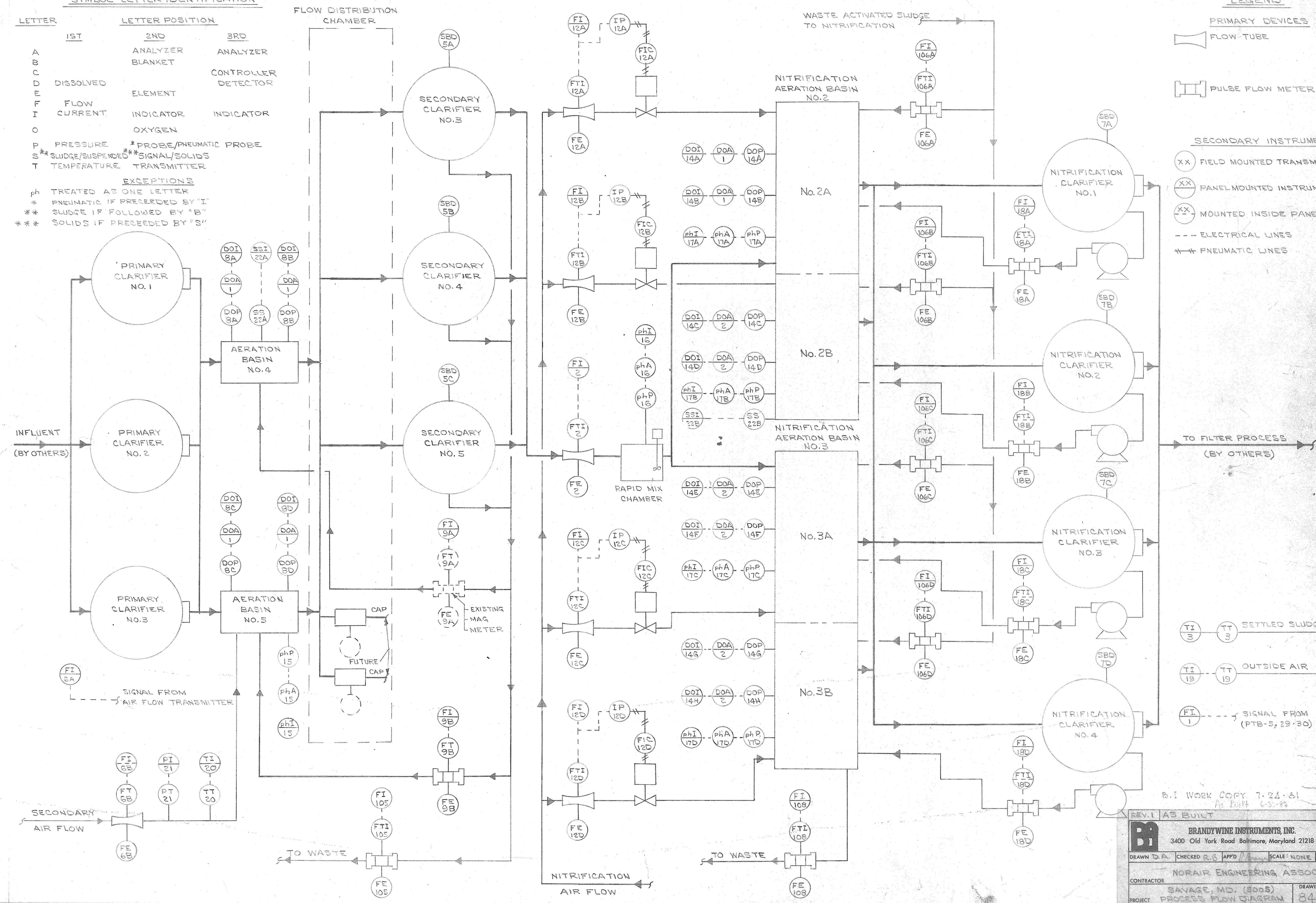
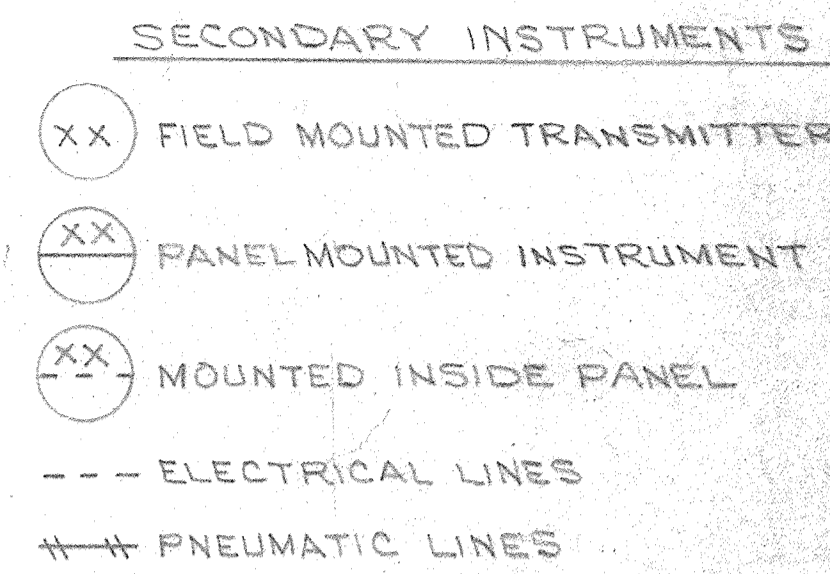
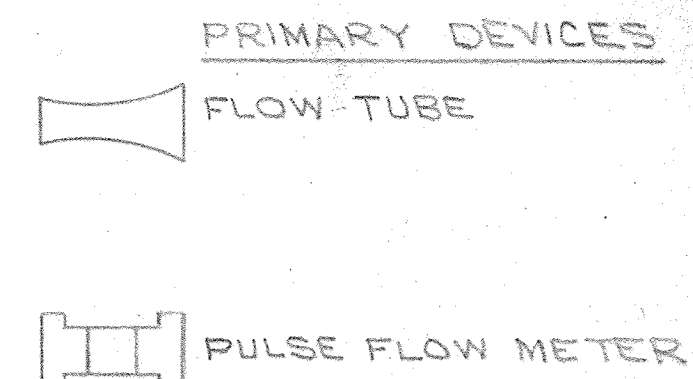
**SYMBOL LETTER IDENTIFICATION**

LETTER	LETTER POSITION		
	1ST	2ND	3RD
A		ANALYZER	ANALYZER
B		BLANKET	
C			CONTROLLER
D	DISSOLVED		DETECTOR
E		ELEMENT	
F	FLOW		
I	CURRENT	INDICATOR	INDICATOR
O		OXYGEN	
P	PRESSURE	*PROBE/PNEUMATIC PROBE	
S	**SLUDGE/SUSPENDED		**SIGNAL/SOLIDS
T	TEMPERATURE TRANSMITTER		

**EXCEPTIONS**

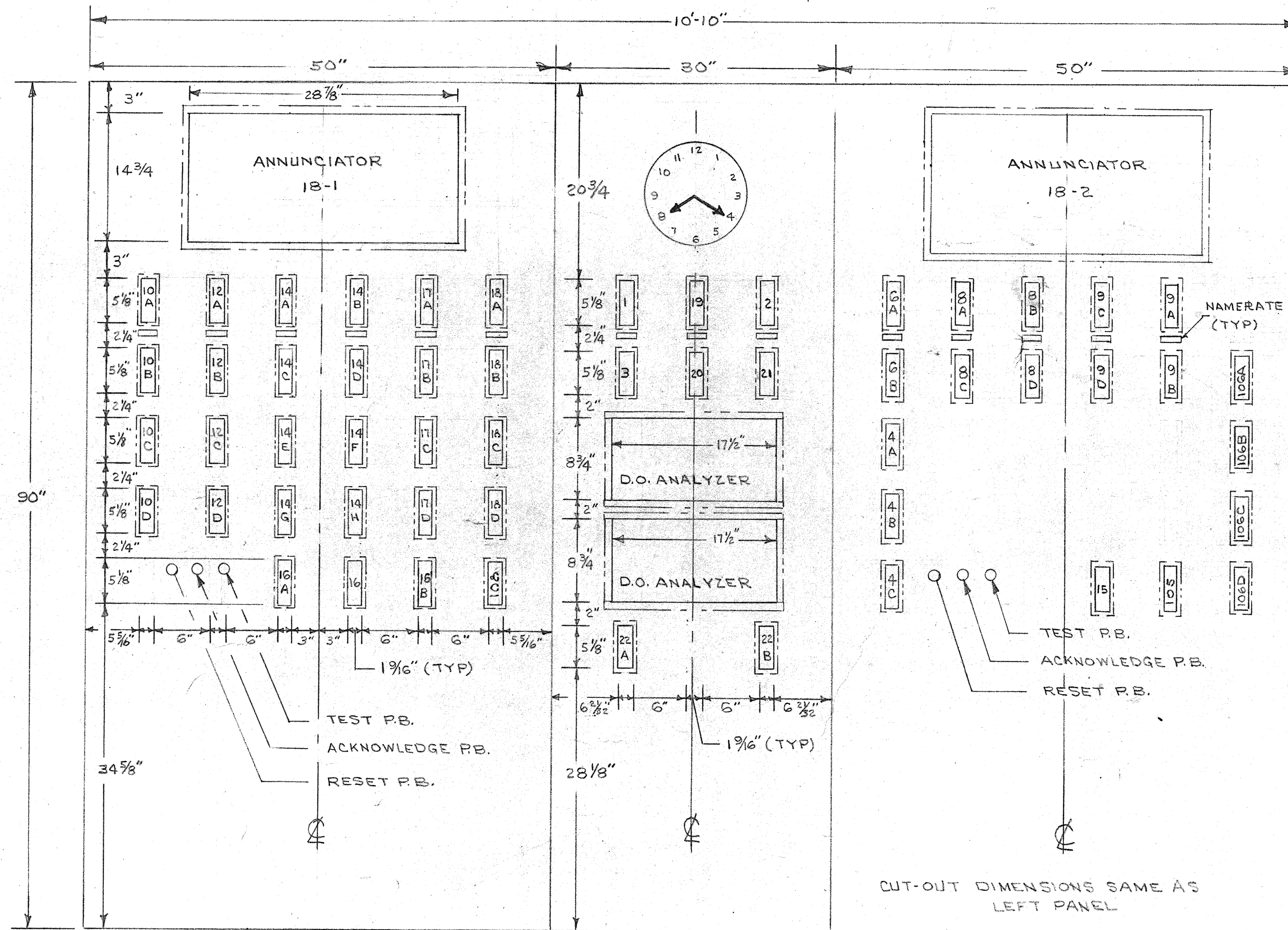
ph TREATED AS ONE LETTER  
 \*\* PNEUMATIC IF PRECEDED BY "I"  
 \*\*\* SLUDGE IF FOLLOWED BY "S"  
 \*\*\* SOLIDS IF PRECEDED BY "S"

**LEGEND**



B.I WORK COPY 7-21-81  
As Built 6-3-83

REV. 1 AS BUILT	4-21-81			
<b>BRANDYWINE INSTRUMENTS, INC.</b> 3400 Old York Road Baltimore, Maryland 21218				
DRAWN D.A.	CHECKED R.B.	APPD	SCALE: NONE	DATE 4-28-78
CONTRACTOR NORAIR ENGINEERING ASSOC.				
PROJECT SAVAGE, MD. (506S)				
DRAWING NUMBER				842-01



**FRONT VIEW  
LAYOUT**

**NOTES**

1. EXTERIOR PANELS ARE 11 GAUGE STEEL FOR FRONT & 12 GAUGE FOR REMAINING SECTIONS, HOT ROLLED; PICKLED; FILLED, SMOOTH FINISHED & PRIMED.
2. EXTERIOR FINISH COAT TO BE SPRAYED LACQUER-DESERT GREEN-SHERWIN WILLIAMS PAINT NO. (SEE SAMPLE)
3. PROVIDED 2.03" WIDE BY 6.0" HIGH CUTOUTS FOR CONTROLLER-INDICATORS TO BE FURNISHED AND INSTALLED UNDER CONTRACT 505-S. PROVIDED TEMPORARY MOUNTING PLATES FOR INDICATORS.
4. PROVIDED 2.03" WIDE BY 6.0" HIGH CUTOUTS FOR CONTROLLER-INDICATORS FURNISHED AND INSTALLED UNDER CONTRACT 760-S.
5. C MAT CONTROLLERS INSTALLED BY HONEYWELL IN FIELD.

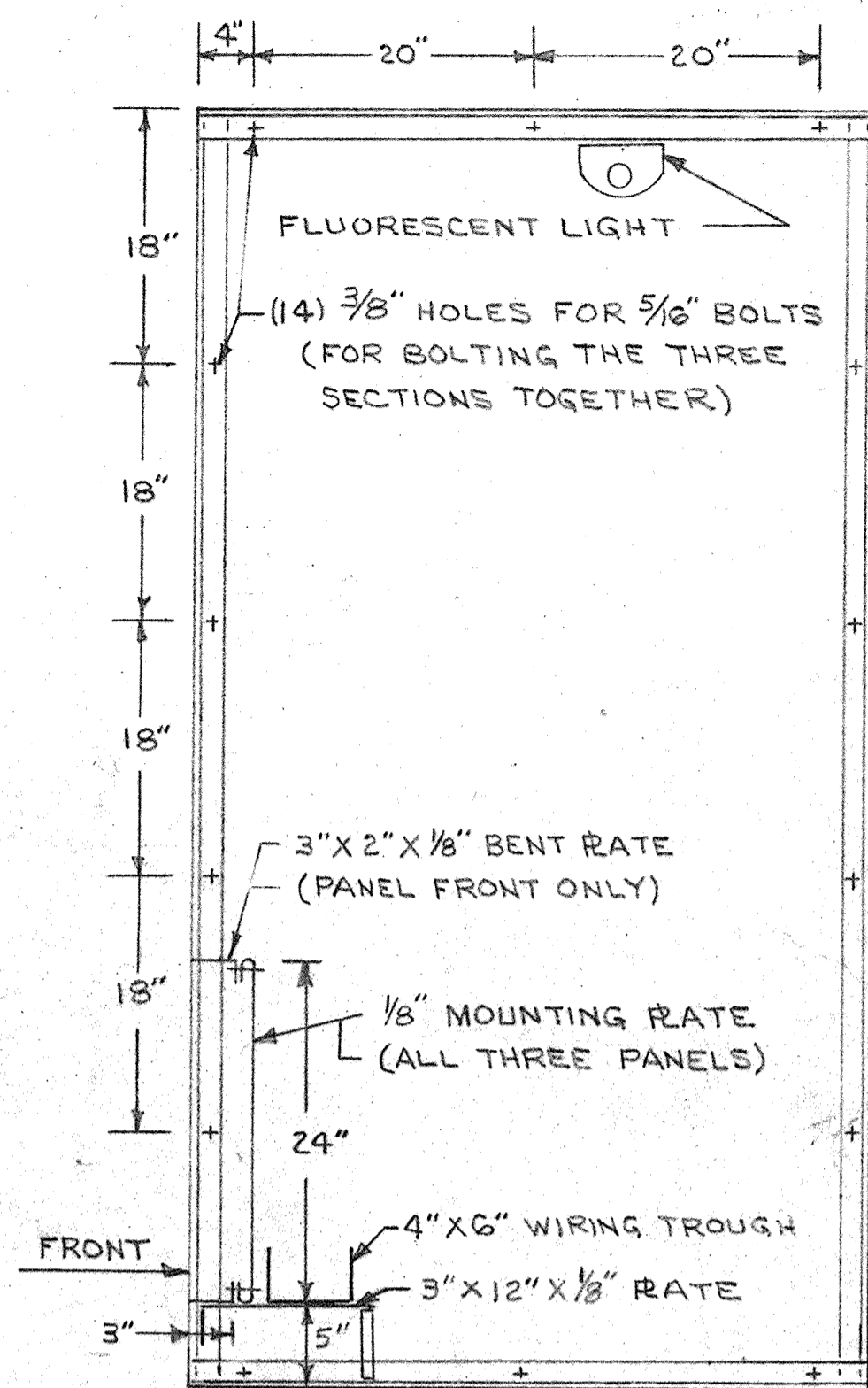
**PANEL  
ITEM NO**

- |      |  |                      |
|------|--|----------------------|
| 1    | TOTAL INFLUENT FLOW                              |                      |
| 2    | TOTAL NITRIFICATION INFLUENT FLOW                |                      |
| 3    | SETTLED SEWAGE TEMPERATURE                       |                      |
| 4A   | SECONDARY INFLUENT FLOW CLARIFIER NO. 3          |                      |
| 4B   |  | 4                    |
| 4C   |  | 5                    |
| 6A   | AIR FLOW AERATION BASIN NO. 4                    |                      |
| 6B   |  | 5                    |
| 8A   | DISSOLVED OXYGEN AERATION BASIN NO. 4 MID. BASIN |                      |
| 8B   |  | 4 EFF.               |
| 8C   |  | 5 MID. BASIN         |
| 8D   |  | 5 EFF.               |
| 9A   | R.A.S. AERATION BASIN NO. 4 NOTE 3               |                      |
| 9B   |  | 5 NOTE 3             |
| 10A  | NITRIFICATION INFLUENT FLOW CLARIFIER NO. 2      |                      |
| 10B  |  | 3                    |
| 10C  |  | 4                    |
| 10D  |  | 5                    |
| 12A  | AIR FLOW AERATION BASIN NO. 2A                   |                      |
| 12B  |  | 2B                   |
| 12C  |  | 3A                   |
| 12D  |  | 3B                   |
| 14A  | DISSOLVED OXYGEN AERATION BASIN NO. 2A           |                      |
| 14B  |  | 2A                   |
| 14C  |  | 2B                   |
| 14D  |  | 2B                   |
| 14E  |  | 3A                   |
| 14F  |  | 3A                   |
| 14G  |  | 3B                   |
| 14H  |  | 3B                   |
| 15   | PH SECONDARY AERATION BASIN EFFLUENT             |                      |
| 17A  | PH AERATION BASIN NO. 2A                         |                      |
| 17B  |  | 2B                   |
| 17C  |  | 3A                   |
| 17D  |  | 3B                   |
| 18A  | R.N.S. AERATION BASIN NO. 2A NOTE 5              |                      |
| 18B  |  | 2B                   |
| 18C  |  | 3A                   |
| 18D  |  | 3B                   |
| 19   | OUTSIDE AIR TEMPERATURE                          |                      |
| 20   | AERATION AIR TEMPERATURE                         |                      |
| 21   | AERATION AIR PRESSURE                            |                      |
| 22A  | SUSPENDED SOLIDS ACTIVATED SLUDGE BASINS         |                      |
| 22B  |  | NITRIFICATION BASINS |
| 105  | WASTE ACTIVATED SLUDGE NOTE 3                    |                      |
| 106A | W.A.S. TO NITRIFICATION BASIN NO. 2A             |                      |
| 106B |  | NO. 2B               |
| 106C |  | NO. 3A               |
| 106D |  | NO. 3B               |
| 108  | WASTE NITRIFIED SLUDGE NOTE 5                    |                      |
| 9C   | PHOSPHORUS STRIPPED SLUDGE TO A&A NOTE 4         |                      |
| 9D   | PHOSPHORUS STRIPPED SLUDGE TO A&B                |                      |
| 16   | RAPID MIX CHAMBER EFFLUENT                       |                      |
| 16A  |  |                      |
| 16B  |  |                      |
- NAMERATES ARE 3/4" HIGH X 3" WIDE, BLACK LAMINATE WITH WHITE LETTERS. LETTERS ARE 1/8" HIGH, 10 LETTER/INCH (MAX. 30 LETTERS & SPACES PER LINE). 3 LINES PER NAMERATE & CAN BE ARRANGED IN ANY MANNER.
- SEE SUBMITTAL FOR COMPLETE NAMERATE INSCRIPTION.

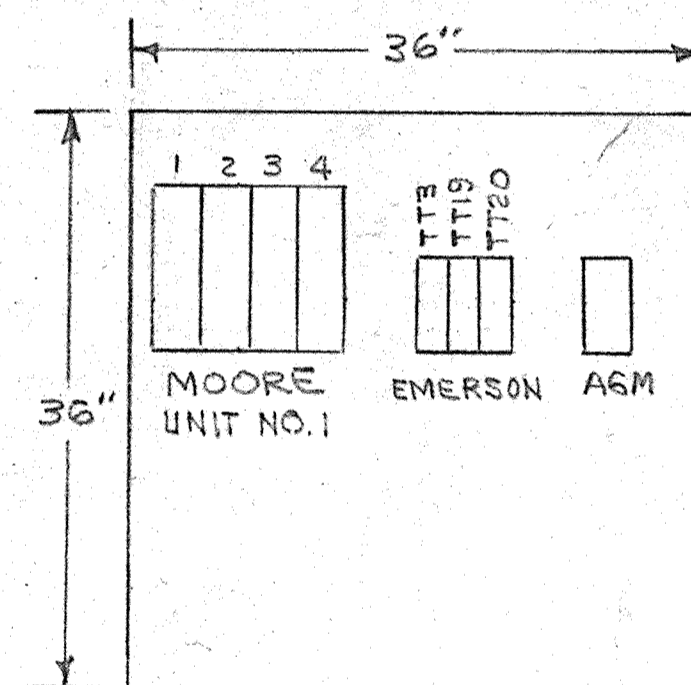
10-5-81

As Built 6-30-82

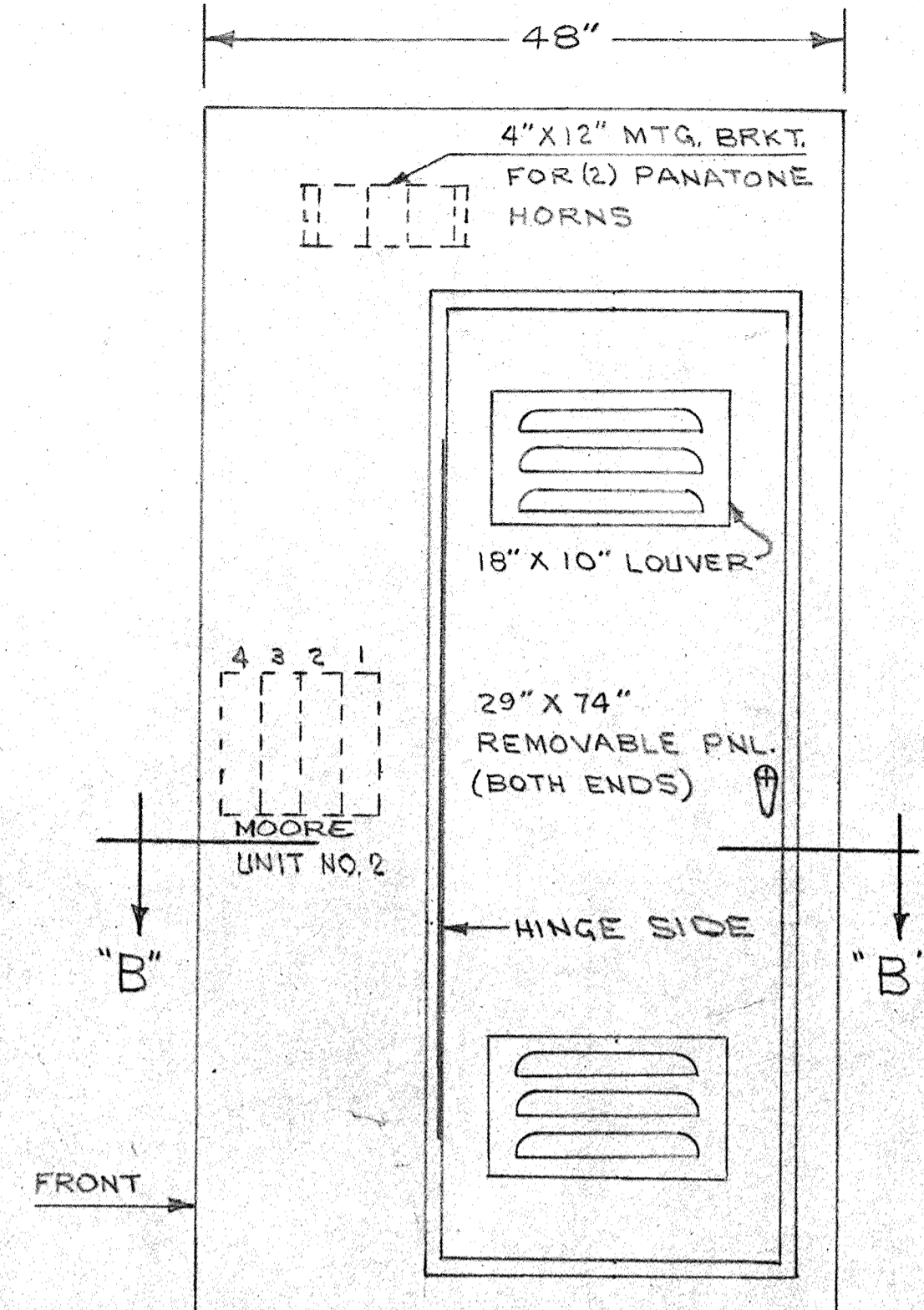
REV. 1	AS BUILT	4-21-81
<b>BRANDYWINE INSTRUMENTS, INC.</b>		
3400 Old York Road Baltimore, Maryland 21218		
DRAWN D.A.	CHECKED R.B.	APP'D R.B. SCALE 1/2"=1'-0" DATE 4-30-78
CONTRACTOR NORAIR ENGINEERING ASSOC.		
PROJECT PANEL LAYOUT-FRONT VIEW		DRAWING NUMBER 842-02



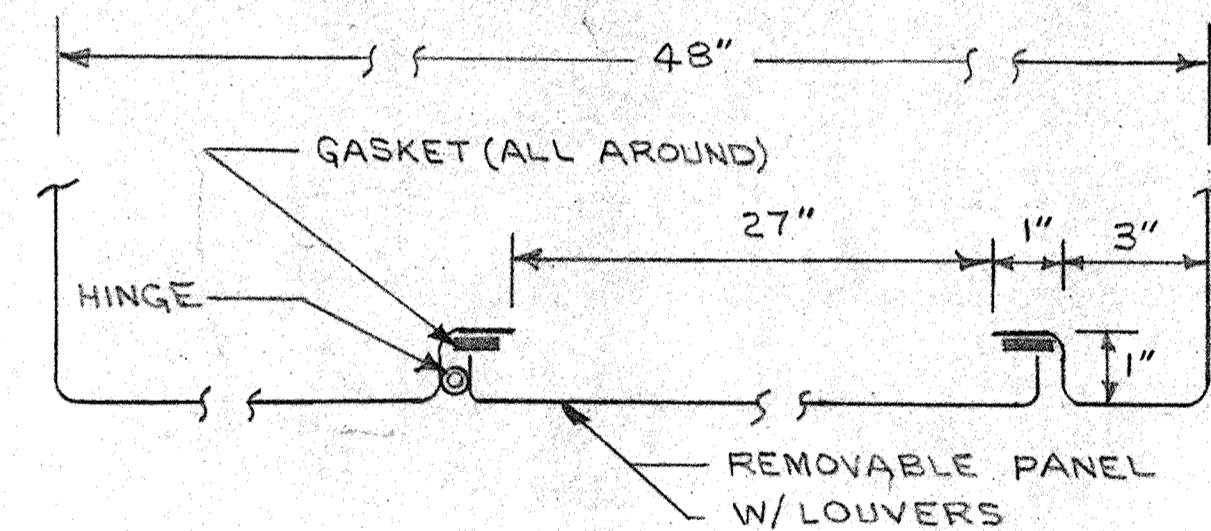
SECTION "A"-A



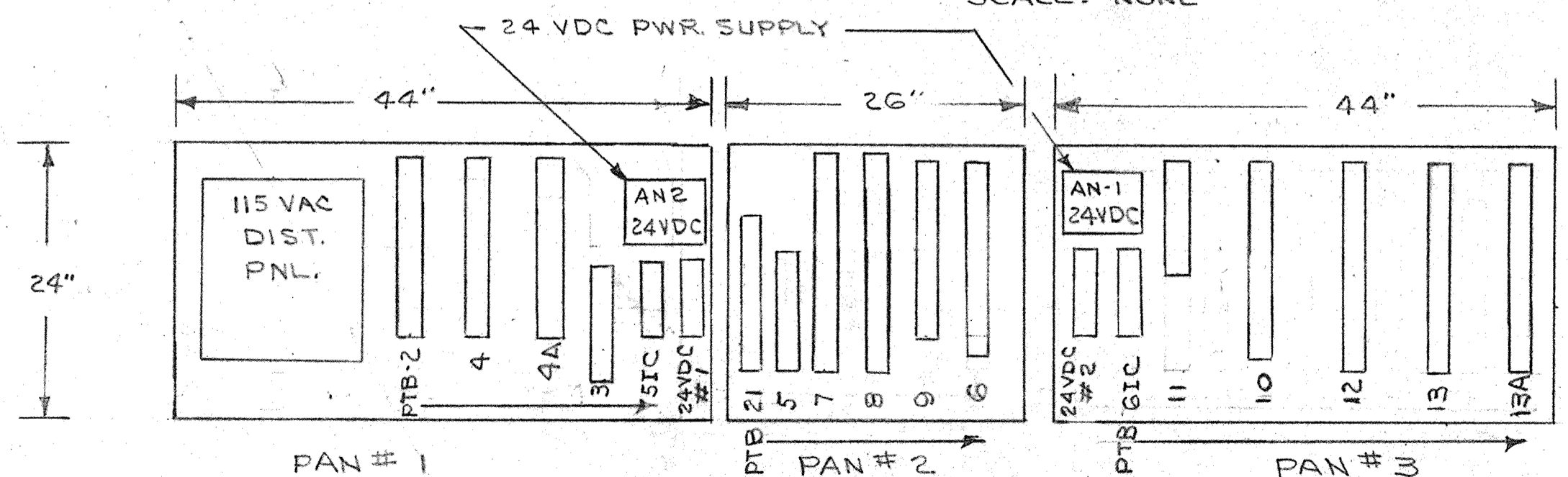
PAN #4 (FAR SIDE WALL)



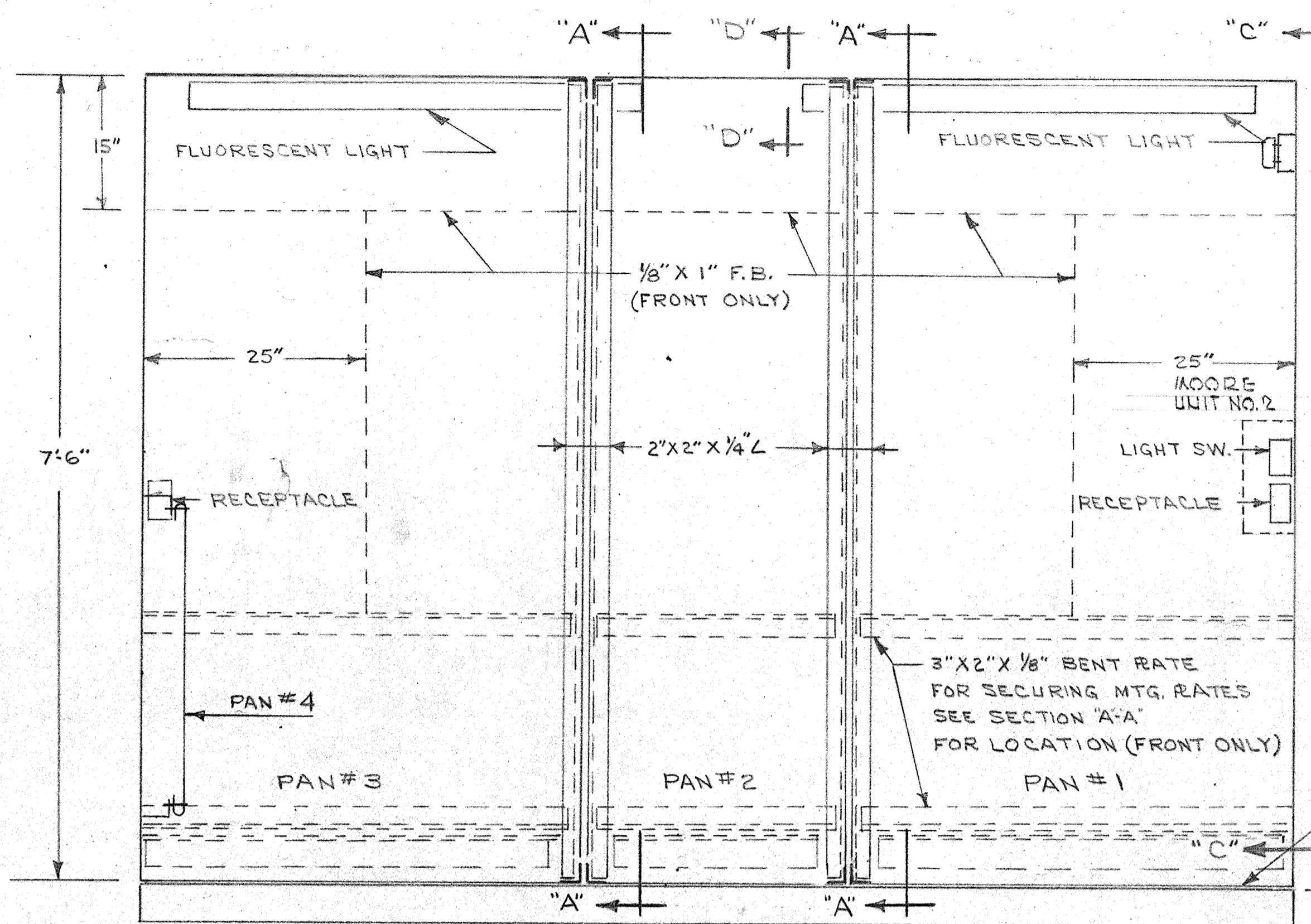
SECTION "C"-C  
END VIEW  
RIGHT END SHOWN  
LEFT END SOLID - NO DOOR



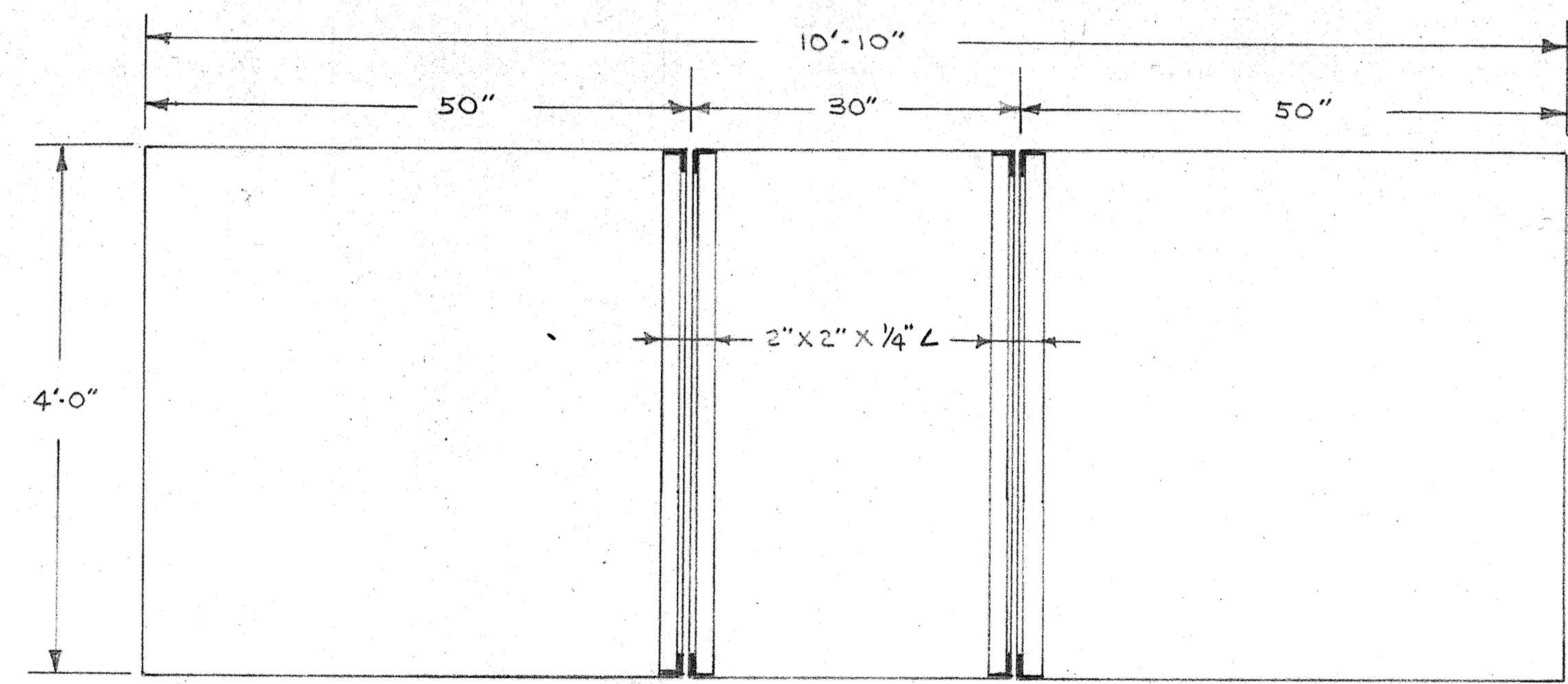
SECTION "B"-B  
SCALE: NONE



MOUNTING PAN ARRANGEMENT  
LOOKING FROM REAR OF PANEL



FRONT ELEVATION  
REAR SIMILAR

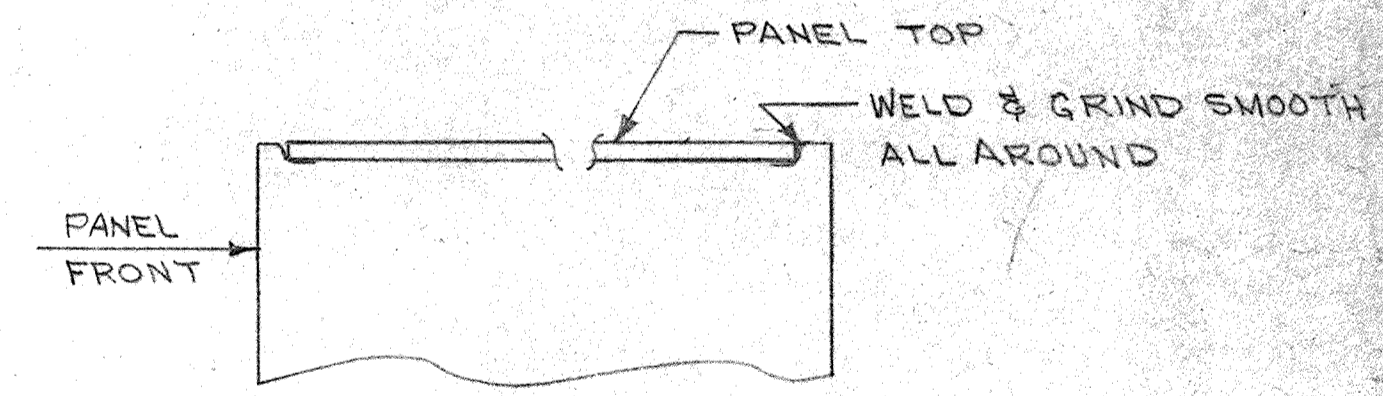


PLAN VIEW  
BOTTOM SHOWN - TOP SIMILAR

- NOTES:-
1. ALL FRAMING ANGLE IS 2" X 2" X 1/4" WELDED CONSTRUCTION.
  2. SKIN FOR PANEL FRONT IS 3/16" STEEL HOT ROLLED & PICKLED.
  3. STIFFENERS ARE SHOWN & DIMENSIONED ON PANEL FRONT. STIFFENERS TO BE INSTALLED ON REAR & ENDS AS REQUIRED.
  4. SKIN IS TO SECURED TO FRAMING ANGLES & STIFFENERS TO SKIN WITH INTERMITTENT WELD.
  5. ALL OVERALL DIMENSIONS INCLUDE SKIN THICKNESS.
  6. CEILING LIGHT FIXTURES SHALL BE COMPLETE WITH BALLAST, 40 WATT, RAPID START
  7. TERMINAL BLOCKS ARE MADE UP USING S&S VR-2-2,5 COMPONENTS RATED FOR 600V, 25A.

OPEN BOTTOM INSIDE  
STEEL FLANGE 2 1/2"  
ON FRONT, REAR & ENDS

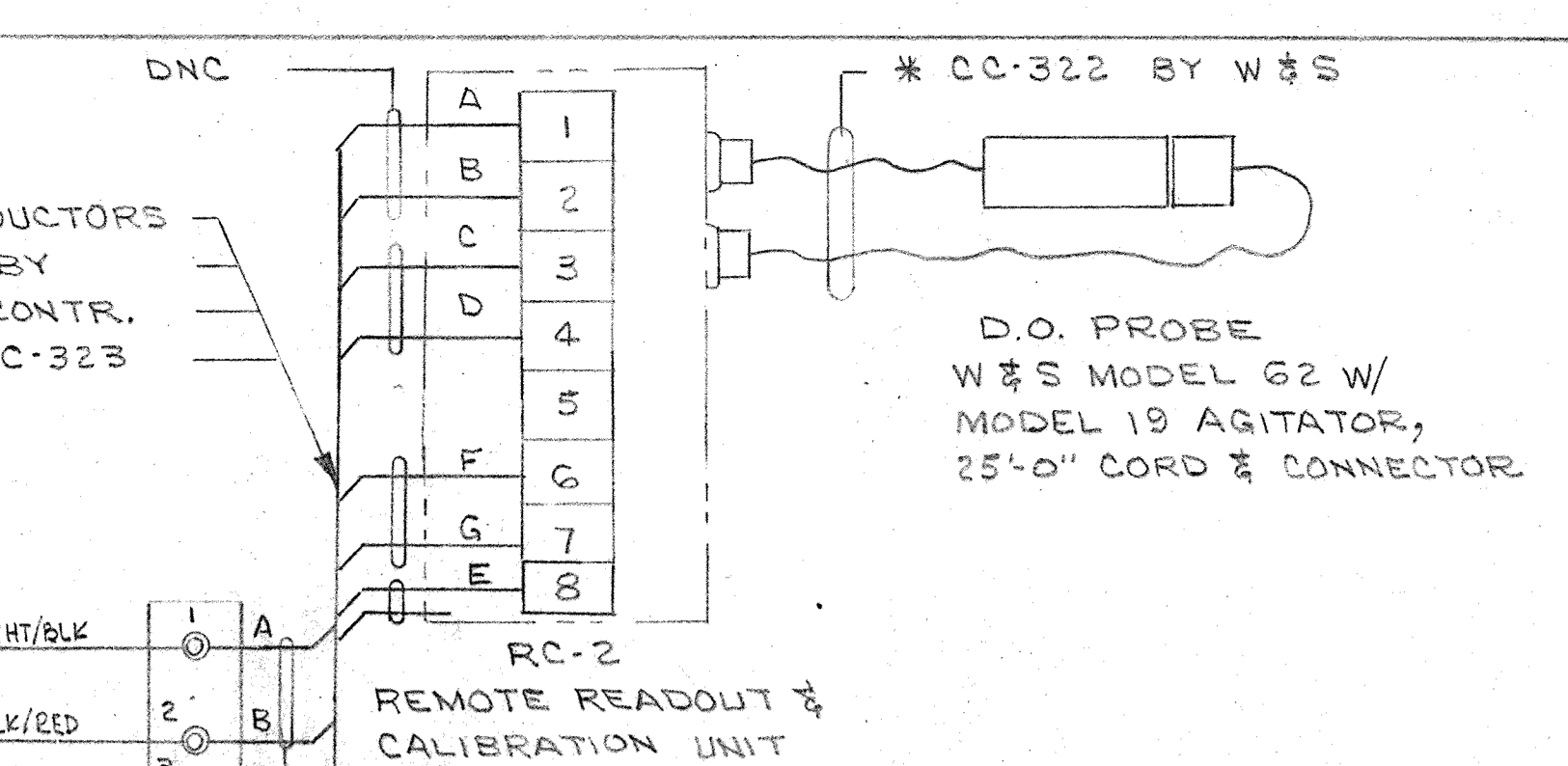
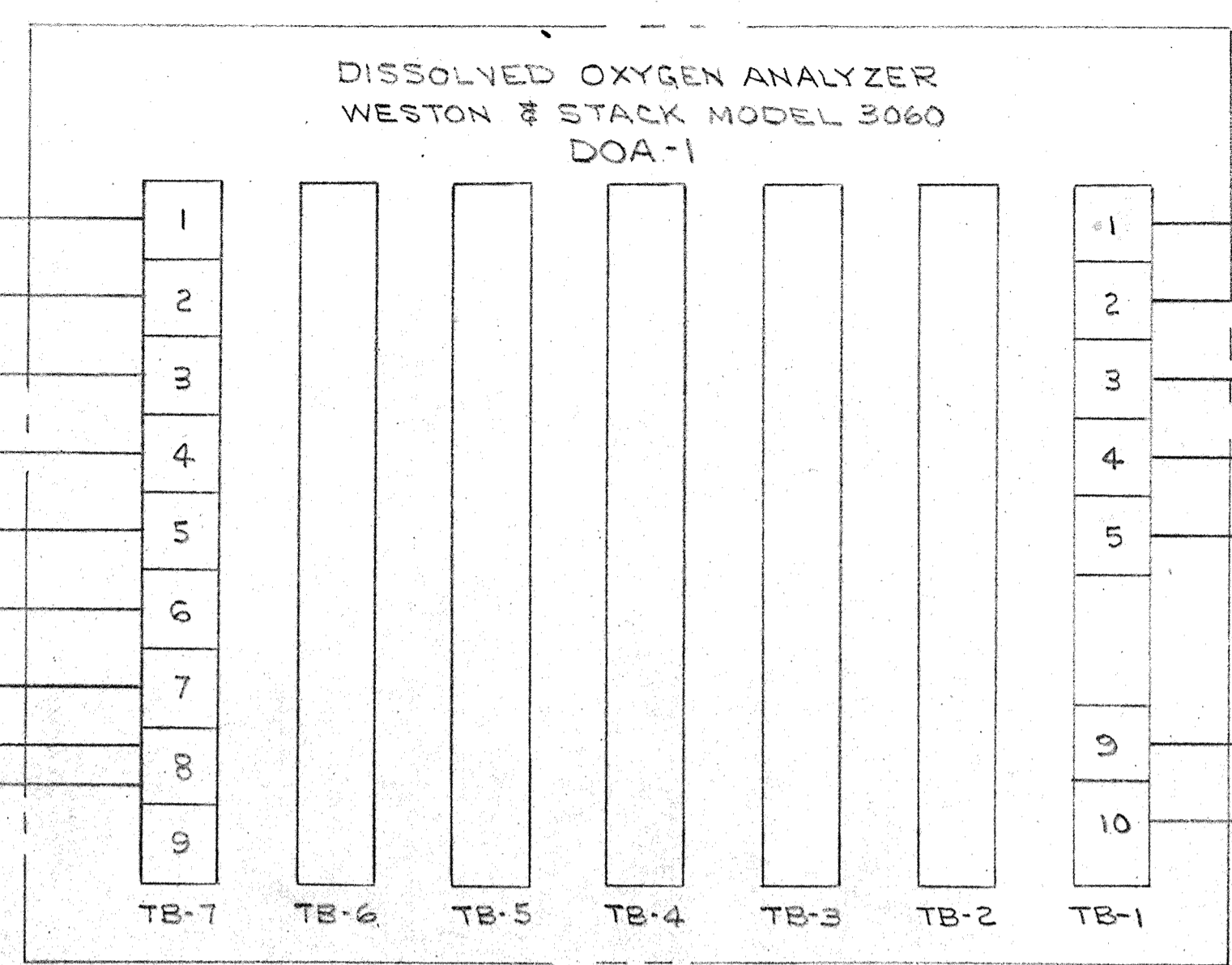
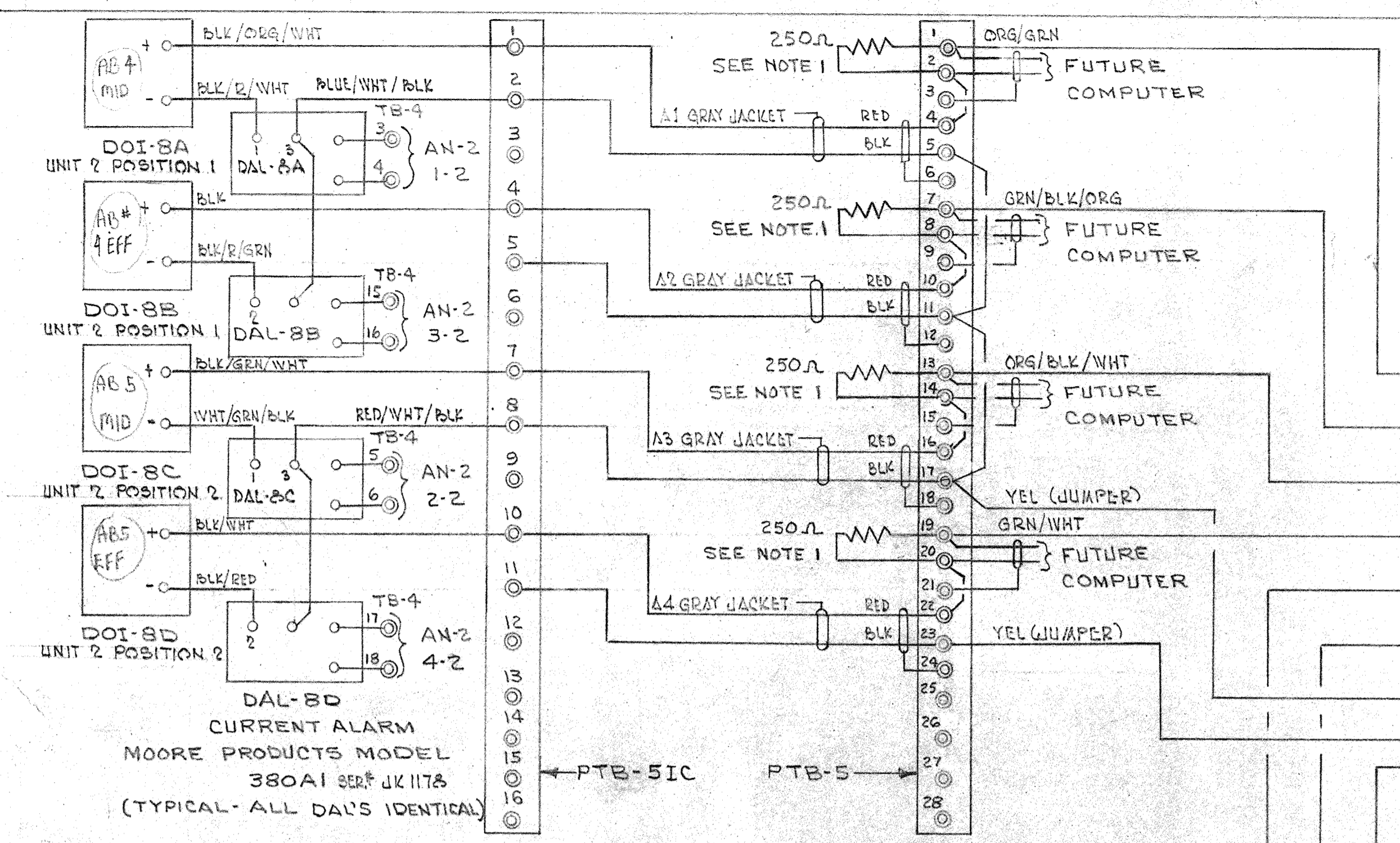
4" HIGH MOUNTING CHANNEL  
OR PAD PROVIDED BY  
INSTALLING ACTIVITY



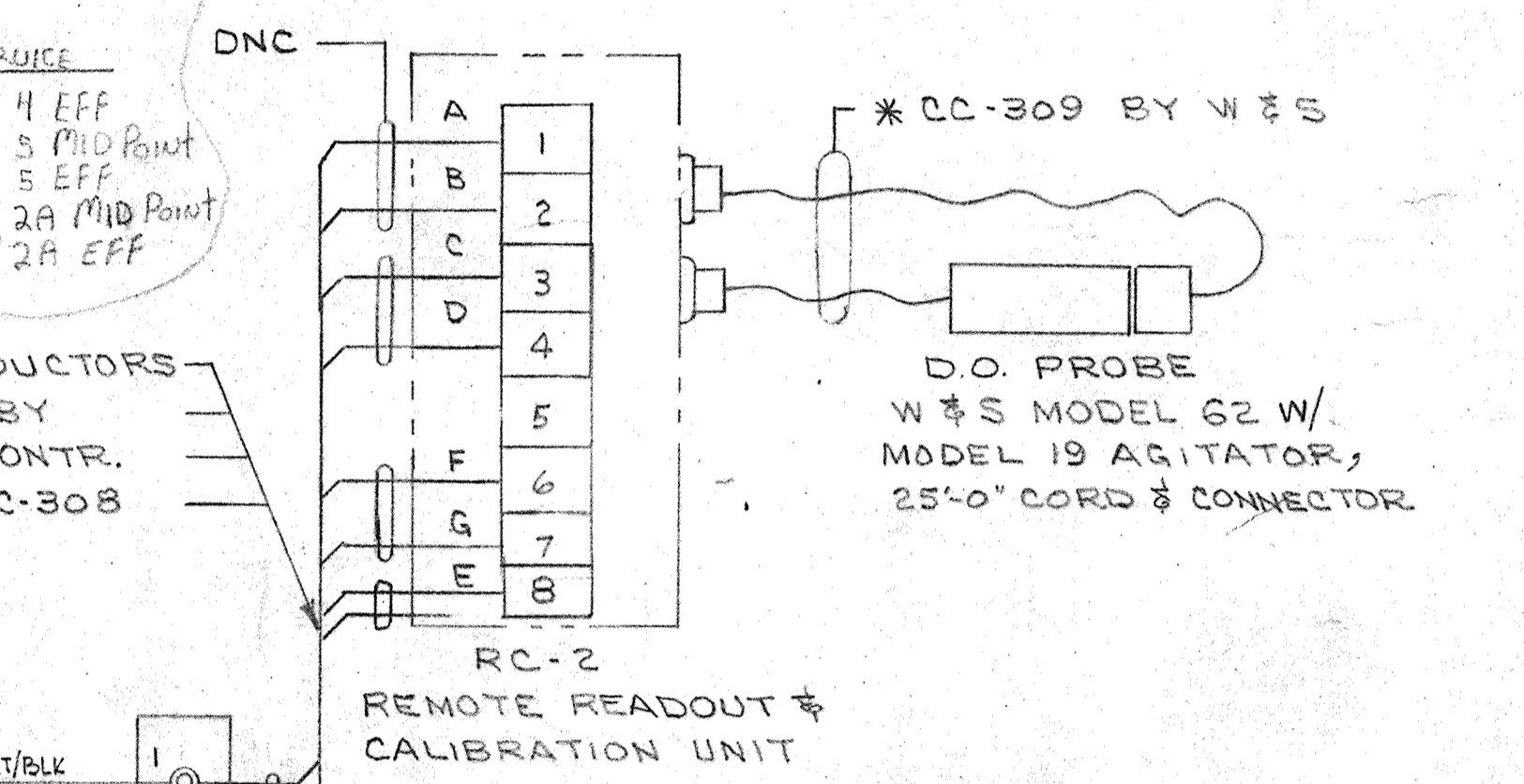
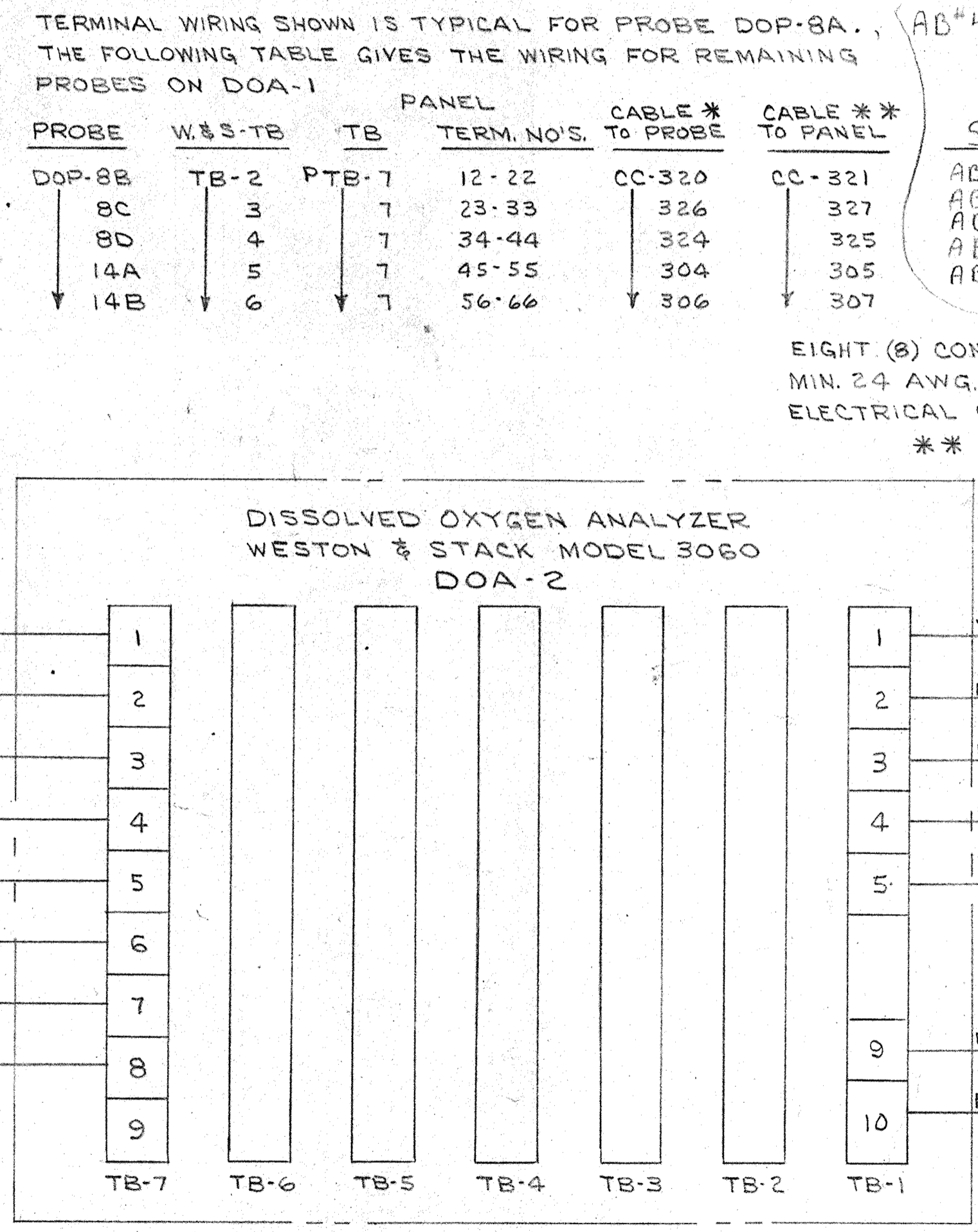
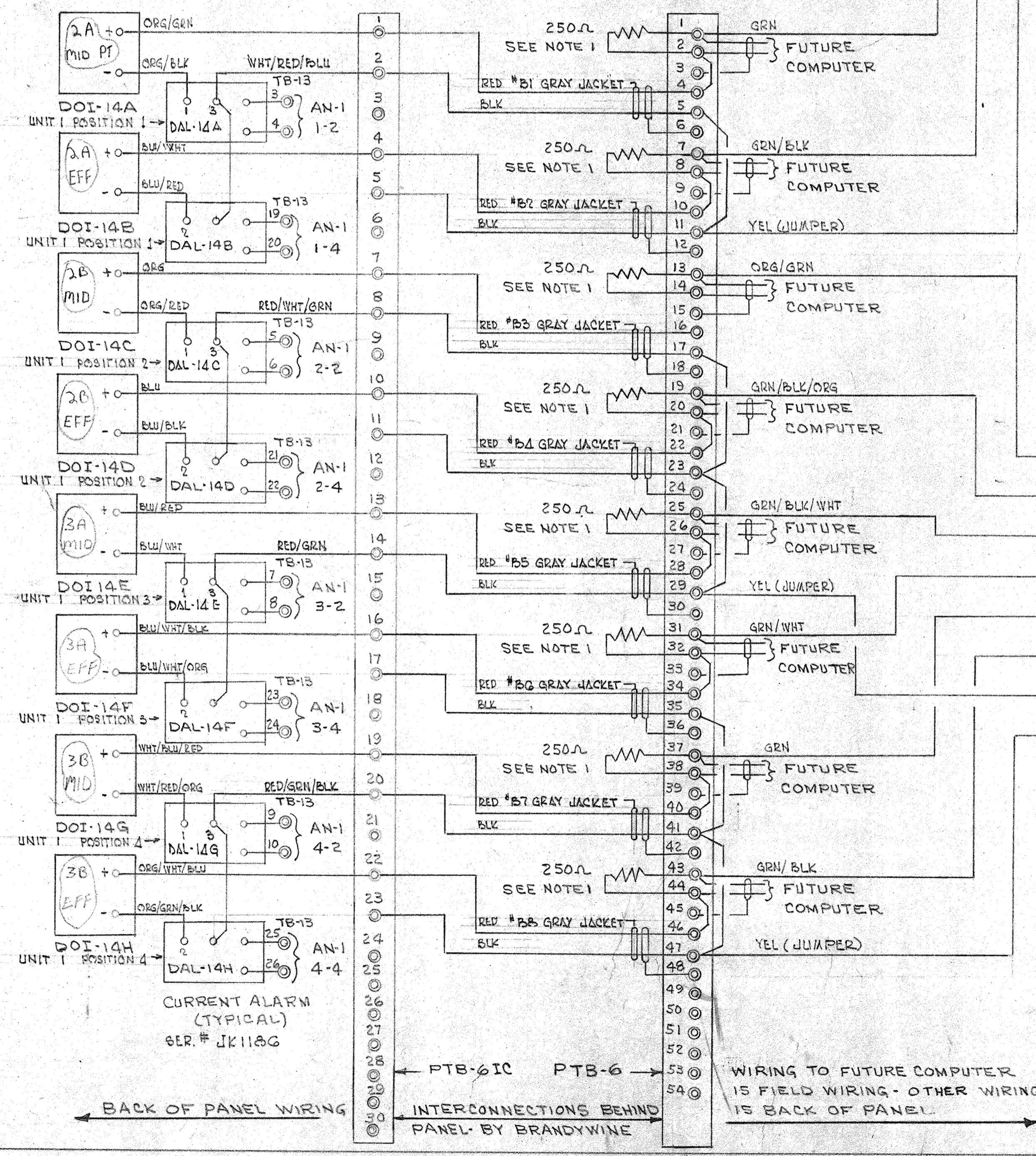
SECTION "D"-D

B.I. WORK COPY 8-10-81  
B.I. WORK COPY 7-24-81  
As Built 6-30-82

REV. 1	AS BUILT	4-21-81
<b>BRANDYWINE INSTRUMENTS, INC.</b>		
3400 Old York Road Baltimore, Maryland 21218		
DRAWN D.A.	CHECKED R.B.	APP'D. (Signature) SCALE 1" = 1'-0" DATE 4-26-78
NORAIR ENGINEERING ASSOC.		
CONTRACTOR SAVAGE MARYLAND (500S)		DRAWING NUMBER 842-03
PROJECT PANEL CONSTRUCTION DWG.		

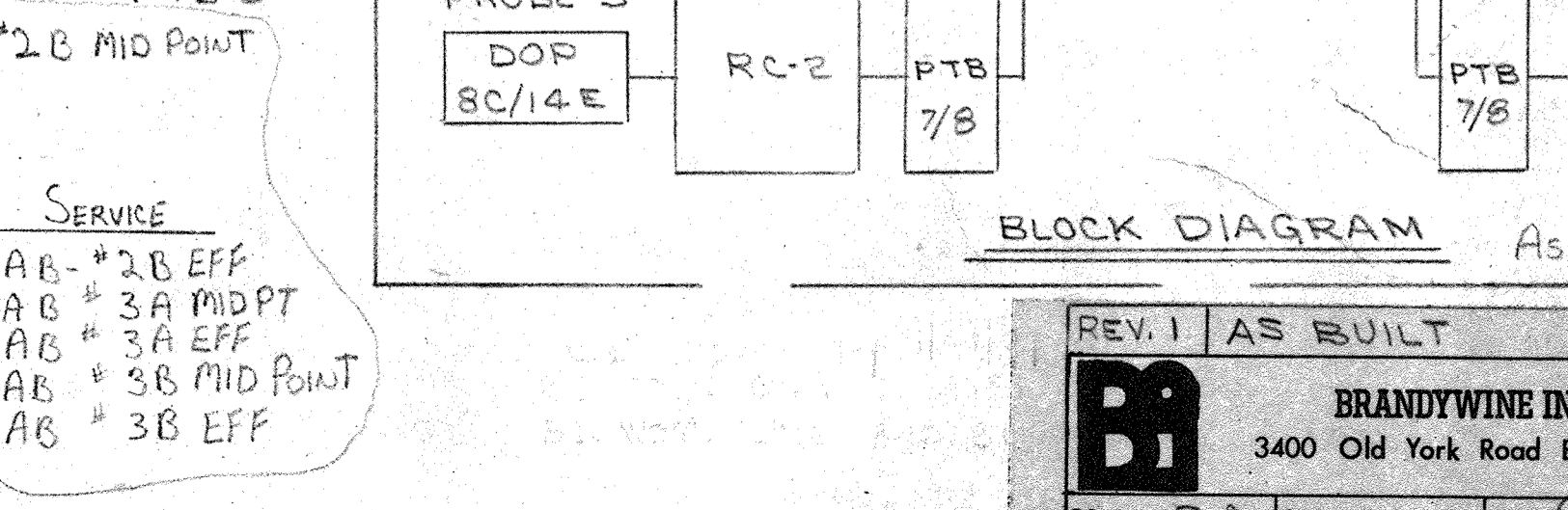


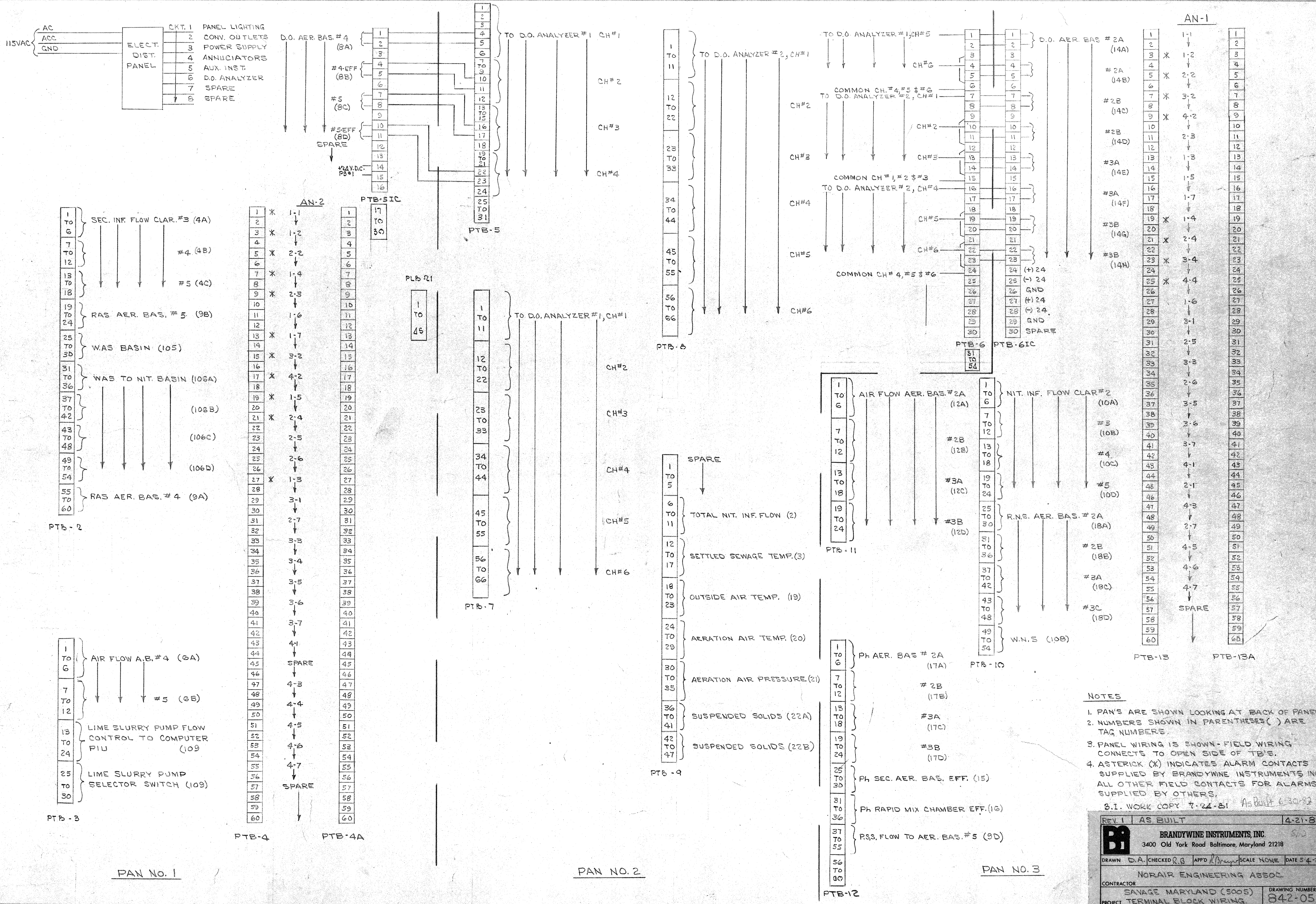
NOTE:-  
1. RESISTOR TO BE REMOVED WHEN COMPUTER IS CONNECTED.



TERMINAL WIRING SHOWN IS TYPICAL FOR PROBE DOP-14C. THE FOLLOWING TABLE GIVES THE WIRING FOR REMAINING PROBES ON DOA-2

PROBE	W&S-TB	TB	PANEL TERM. NO'S	CABLE * TO PROBE	CABLE ** TO PANEL
DOP-14D	TB-2	PTB-8	12-22	CC-310	CC-311
14E	3		23-33	312	313
14F	4		34-44	314	315
14G	5		45-55	316	317
14H	6		56-66	318	319





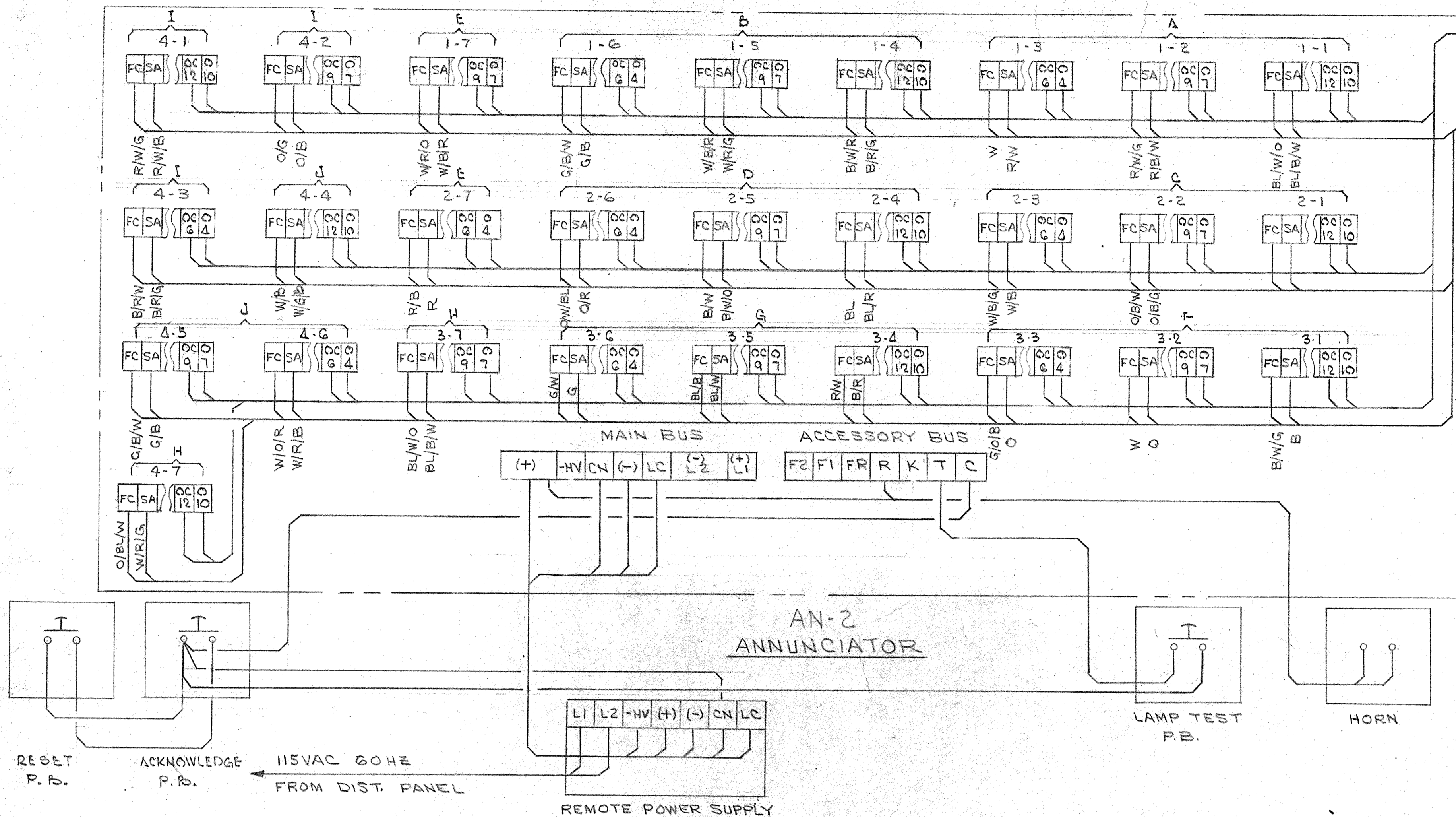
PAN NO. 1

PAN NO. 2

PAN NO. 3

- NOTES**
1. PAN'S ARE SHOWN LOOKING AT BACK OF PANEL
  2. NUMBERS SHOWN IN PARENTHESES ( ) ARE TAG NUMBERS.
  3. PANEL WIRING IS SHOWN - FIELD WIRING CONNECTS TO OPEN SIDE OF TB'S.
  4. ASTERICK (X) INDICATES ALARM CONTACTS SUPPLIED BY BRANDYWINE INSTRUMENTS INC. ALL OTHER FIELD CONTACTS FOR ALARMS SUPPLIED BY OTHERS.
- B.I. WORK COPY 7-24-81 AS BUILT 6-30-82

REV. 1	AS BUILT	4-21-81
<b>BRANDYWINE INSTRUMENTS, INC.</b>		
3400 Old York Road Baltimore, Maryland 21218		
DRAWN D.A.	CHECKED R.B.	APP'D [Signature] SCALE NONE DATE 5-4-78
NORAIR ENGINEERING ASSOC.		
CONTRACTOR		DRAWING NUMBER
SAVAGE MARYLAND (5005)		842-05
PROJECT TERMINAL BLOCK WIRING		



BL/W/B	1	1-1
BL/W/O	2	1-2
R/B/W	3	1-2
R/W/B	4	2-2
O/B/G	5	2-2
O/B/W	6	1-4
B/R/G	7	1-4
B/R/W	8	2-3
W/B	9	2-3
W/B/G	10	1-6
G/B	11	1-6
G/W/B	12	1-7
W/B/R	13	1-7
W/R/O	14	3-2
O	15	4-2
W	16	4-2
O/G	17	1-5
W/R/G	18	1-5
W/B/R	19	2-4
BL/R	20	2-4
BL	21	2-5
B/W/O	22	2-5
B/W	23	2-6
O/R	24	2-6
O/BL/W	25	1-3
W/R	26	1-3
W	27	3-1
B	28	3-1
B/W/G	29	3-1
B/W/G	30	3-1

R	31	2-7
O	32	3-3
G/O/B	33	3-4
B/R	34	3-4
R/W	35	3-5
BL/W	36	3-5
BL/B	37	3-5
G/W	38	1-5
G	39	1-5
BL/W/B	40	3-7
BL/W/O	41	3-7
R/W/B	42	4-1
R/W/G	43	4-1
O/B/G	44	4-1
O/W/E	45	4-1
B/R/G	46	4-3
B/W/R	47	4-3
W/B	48	4-4
W/S/B	49	4-4
G/B	50	4-5
G/W/B	51	4-5
B/W/O	52	4-6
W/O/R	53	4-6
B/W	54	2-6
O/R	55	2-6
O/BL/W	56	4-7
W/R	57	4-7
W	58	SPARE
B	59	SPARE
B/W/G	60	SPARE

BL/W/B	1	1-1
BL/W/O	2	1-2
R/W/B	3	1-2
O/B/G	4	1-3
O/B/W	5	1-3
B/R/G	6	1-4
B/R/W	7	1-4
W/B	8	1-5
W/B/G	9	1-5
G/B	10	1-6
G/W/B	11	1-6
W/R/B	12	1-7
W/O/R	13	1-7
R/G	14	2-1
O/B/G	15	2-1
O/B/W	16	2-2
B/R/G	17	2-2
O/G	18	2-3
W/R/G	19	2-3
W/R/B	20	2-4
BL	21	2-4
BL	22	2-5
B/W/O	23	2-5
B/W	24	2-6
O/R	25	2-6
O/BL/W	26	2-7
W/R	27	2-7
WHT	28	3-1
BLK	29	3-1
B/W/G	30	3-1

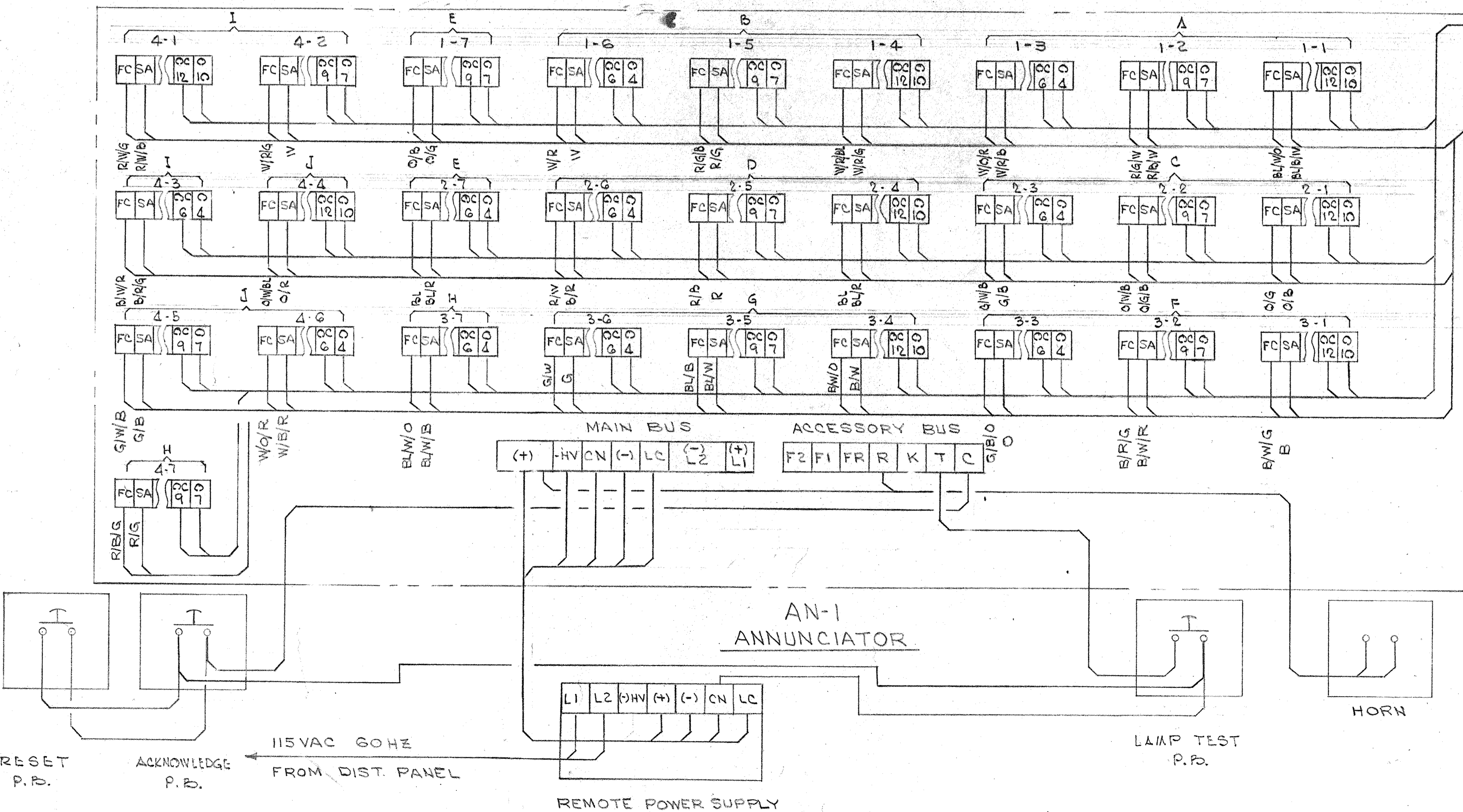
RED	31	3-2
R/B	32	3-3
O/B	33	3-3
G/O/B	34	3-4
B/R	35	3-4
R/W	36	3-5
BL/W	37	3-5
BL/B	38	3-5
GEN	39	3-6
G/W	40	3-6
BL/W/B	41	3-7
BL/W/O	42	3-7
R/W/B	43	4-1
R/W/G	44	4-1
O/B/G	45	4-2
O/B/W	46	4-2
B/R/G	47	4-3
B/W/R	48	4-3
W/B	49	4-4
W/S/B	50	4-4
G/B	51	4-5
G/W/B	52	4-5
W/R/O	53	4-6
W/R/B	54	4-6
R/G	55	4-7
R/G/B	56	4-7
W/R	57	SPARES
WHT	58	SPARES
BLK	59	SPARES
B/W/G	60	SPARES

PTB-4

PTB-4A

COLOR CODE KEY

- B = BLACK
- R = WHITE
- G = RED
- O = GREEN
- BL = BLUE



BL/W/B	1	1-1
BL/W/O	2	1-2
R/B/W	3	1-2
R/W/B	4	2-2
O/B/G	5	2-2
O/B/W	6	1-4
B/R/G	7	1-4
B/R/W	8	2-3
W/B	9	2-3
W/B/G	10	4-2
G/B	11	4-2
G/W/B	12	2-3
W/B/R	13	1-3
W/O/R	14	1-3
R/G	15	1-5
R/S/B	16	1-7
O/B	17	1-7
O/G	18	1-4
W/R/G	19	1-4
W/R/B	20	1-4
BL/R	21	2-4
BL	22	2-4
B/W/O	23	3-4
B/W	24	3-4
O/R	25	4-4
O/BL/W	26	4-4
W/R	27	1-6
W	28	1-6
B	29	3-1
B/W/G	30	3-1

R	31	2-5
O	32	2-5
G/B/O	33	3-3
B/R	34	2-6
R/W	35	2-6
BL/W	36	3-5
BL/B	37	3-5
G	38	3-6
G/W	39	3-6
BL/W/B	40	3-7
BL/W/O	41	3-7
R/W/B	42	4-1
R/W/G	43	4-1
O/B	44	2-1
O/G	45	2-1
B/R/G	46	4-3
B/W/R	47	4-3
W/B	48	2-7
W/S/B	49	2-7
G/B	50	4-5
G/W/B	51	4-5
W/B/R	52	4-6
W/O/R	53	4-6
R/G	54	4-7
R/G/B	55	4-7
W/R	56	4-7
W	57	4-7
B	58	4-7
B/W/G	59	4-7
B/W/G	60	4-7

BL/W/B	1	1-1
BL/W/O	2	1-2
R/W/B	3	1-2
R/W/G	4	1-3
O/B/G	5	1-3
O/B/W	6	1-4
B/R/G	7	1-4
B/R/W	8	1-5
W/B	9	1-5
W/B/G	10	1-6
G/B	11	1-6
G/W/B	12	1-7
W/R/B	13	1-7
W/O/R	14	2-1
R/G	15	2-1
O/B/G	16	2-2
O/B	17	2-2
O/G	18	2-3
W/R/G	19	2-3
W/R/B	20	2-4
BL	21	2-4
BL	22	2-5
B/W/O	23	2-5
B/W	24	2-6
O/R	25	2-6
O/BL/W	26	2-7
W/R	27	2-7
WHT	28	3-1
BLK	29	3-1
B/W/G	30	3-1

RED	31	3-2
R/B	32	3-3
O/B	33	3-3
G/O/B	34	3-4
B/R	35	3-4
R/W	36	3-5
BL/W	37	3-5
BL/B	38	3-5
GEN	39	3-6
G/W	40	3-6
BL/W/B	41	3-7
BL/W/O	42	3-7
R/W/B	43	4-1
R/W/G	44	4-1
O/B/G	45	4-2
O/B/W	46	4-2
B/R/G	47	4-3
B/W/R	48	4-3
W/B	49	4-4
W/S/B	50	4-4
G/B	51	4-5
G/W/B	52	4-5
W/R/O	53	4-6
W/R/B	54	4-6
R/G	55	4-7
R/G/B	56	4-7
W/R	57	SPARES
WHT	58	SPARES
BLK	59	SPARES
B/W/G	60	SPARES

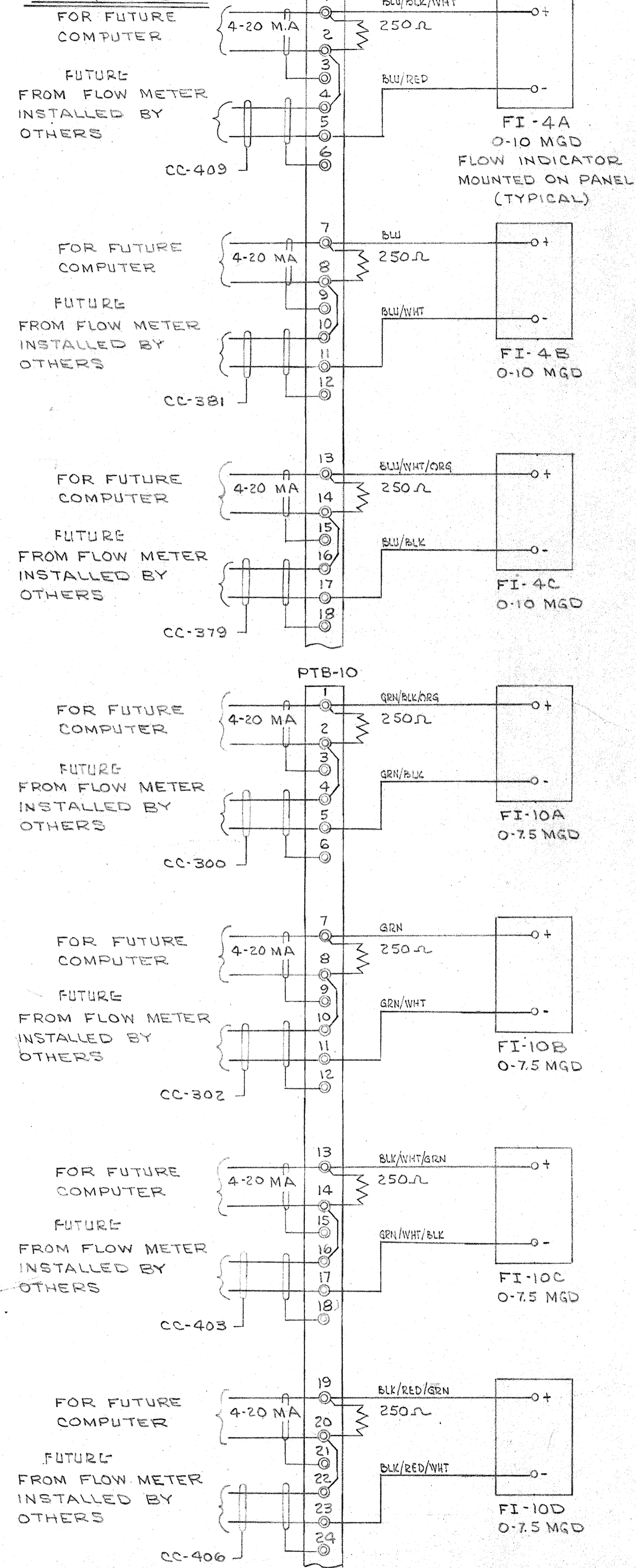
PTB-13

PTB-13A

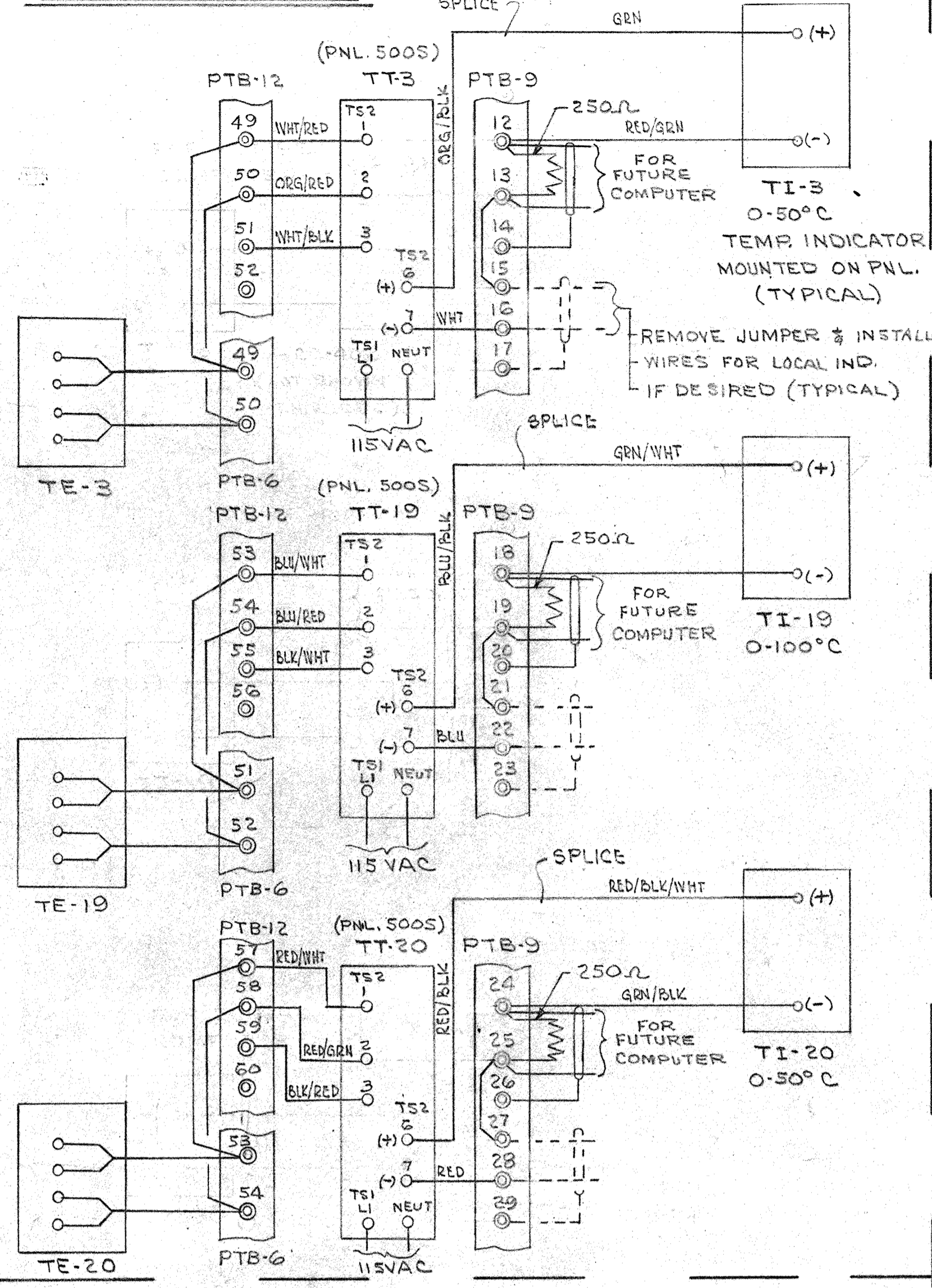
B.I. WORK COPY 8-10-81  
B.I. WORK COPY 7-24-81  
As Built 6-30-82

REV 1	AS BUILT	4-21-81
<b>BRANDYWINE INSTRUMENTS, INC.</b>		
3400 Old York Road Baltimore, Maryland 21218		
DRAWN D.A.	CHECKED R.B.	APP'D [Signature] SCALE NONE DATE 5-4-78
NORAIR ENGINEERING ASSOC.		
CONTRACTOR SAVAGE MARYLAND (500S)		DRAWING NUMBER 842-06
PROJECT ANNUNCIATOR WIRING		

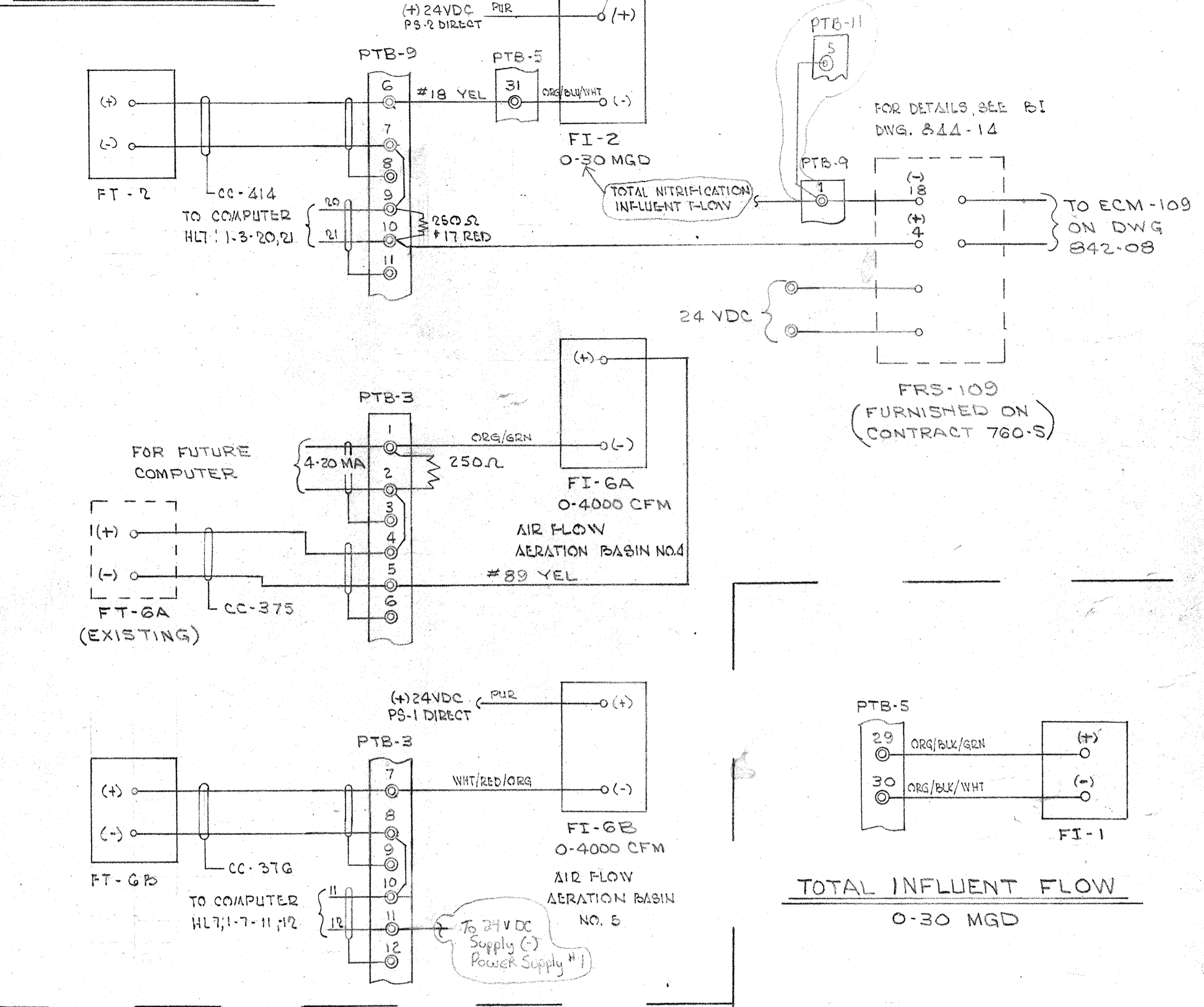
### FLOW PROBE MAGNETER



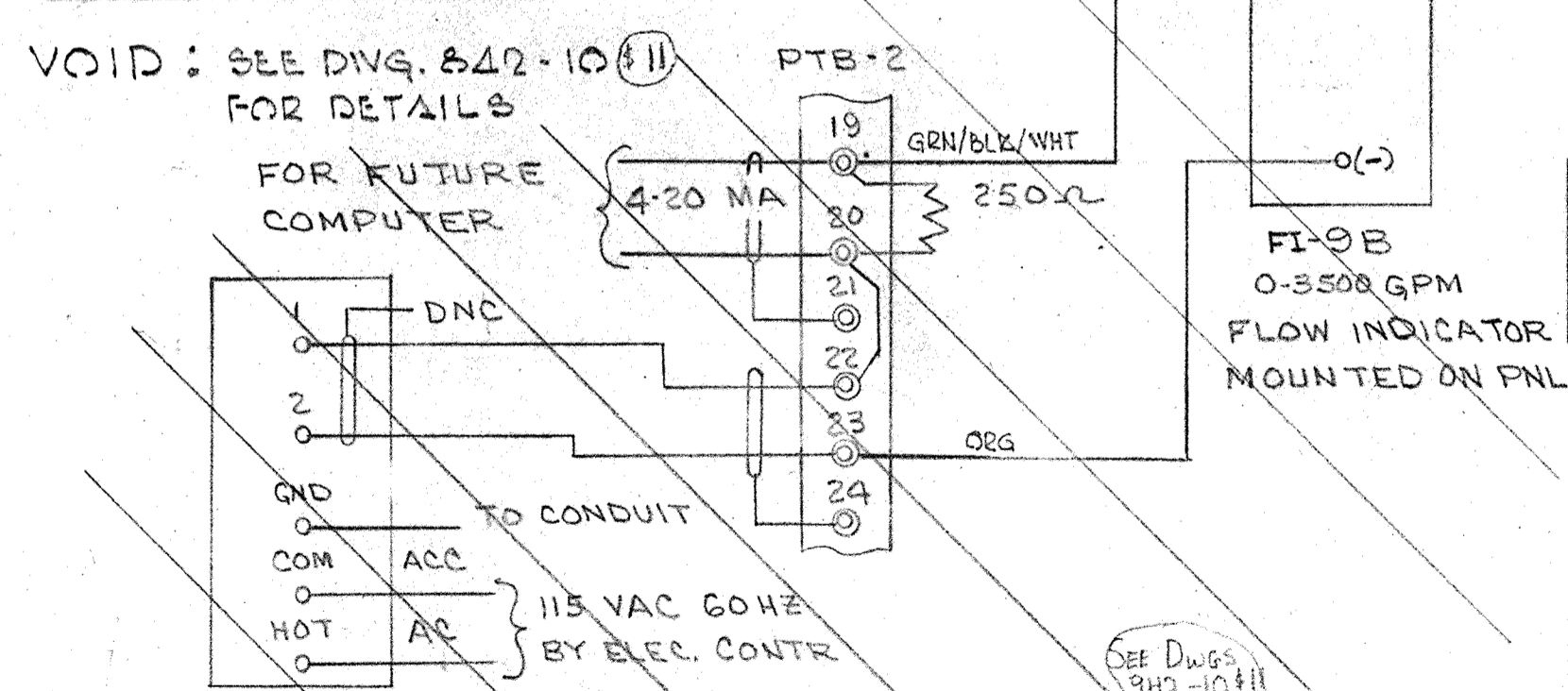
### TEMPERATURE



### FLOW TUBES



### PULSE FLOW

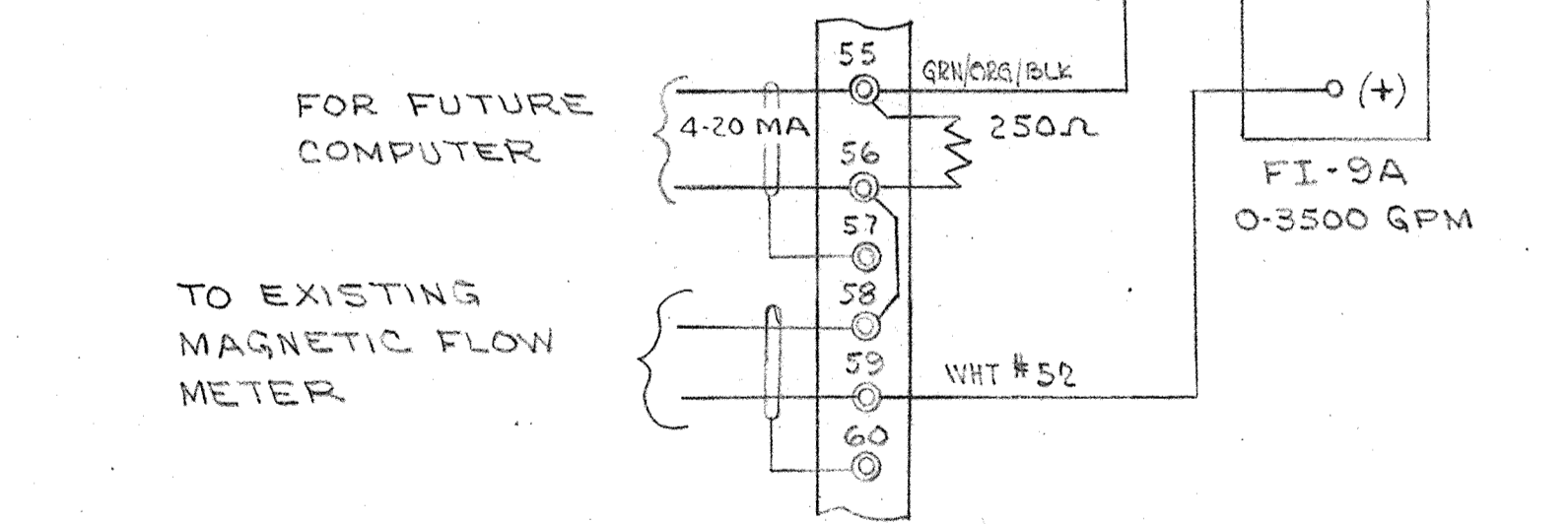


TYPICAL PULSE FLOW LOOP

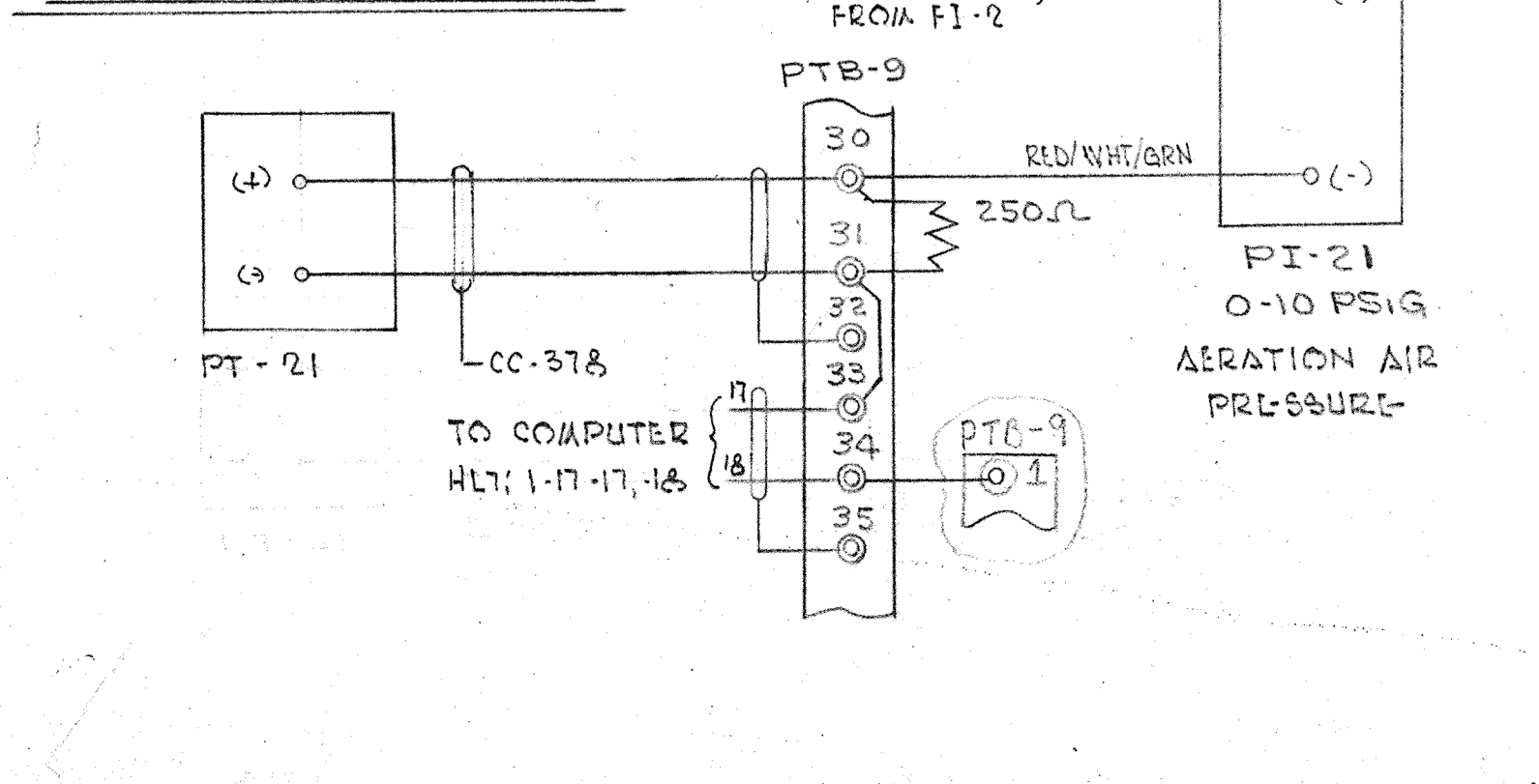
SEE TABULATION BELOW FOR OTHER LOOPS

XMTR	TB NO	TERM NOS	INDICATOR	GPM
FT-9C	21	1-20	FI-9C (SUPPLIED ON CONTRACT 760-S)	
9D	21	21-40	FI-9D (CONTRACT 760-S)	
18A	10	49-54	18A (-GRN #31) 0-3500 (+WHT/RED/GRN)	
18B	10	25-30	18B (-YEL #32) (+WHT/RED/BLK)	
18C	10	31-36	18C (-RED #33) (+WHT/BLK/GRN)	
18D	10	37-42	18D (-WHT #34) (+WHT/RED/ORG)	
105	2	25-30	105 (-GRN/WHT) 0-1000 (+WHT/RED/BLK)	
106A	10	31-36	106A (-ORG/BLK/GRN) 0-1750 (+RED)	
106B	10	37-42	106B (-ORG/BLK/WHT) (+WHT)	
106C	10	43-48	106C (-ORG/BLK/WHT) (+YEL)	
106D	10	49-54	106D (-ORG/RED) (+GRN)	
108	10	43-48	108 (-YEL #35) 0-1000 (+GRN/BLK)	

### FLOWMETER (EXISTING)



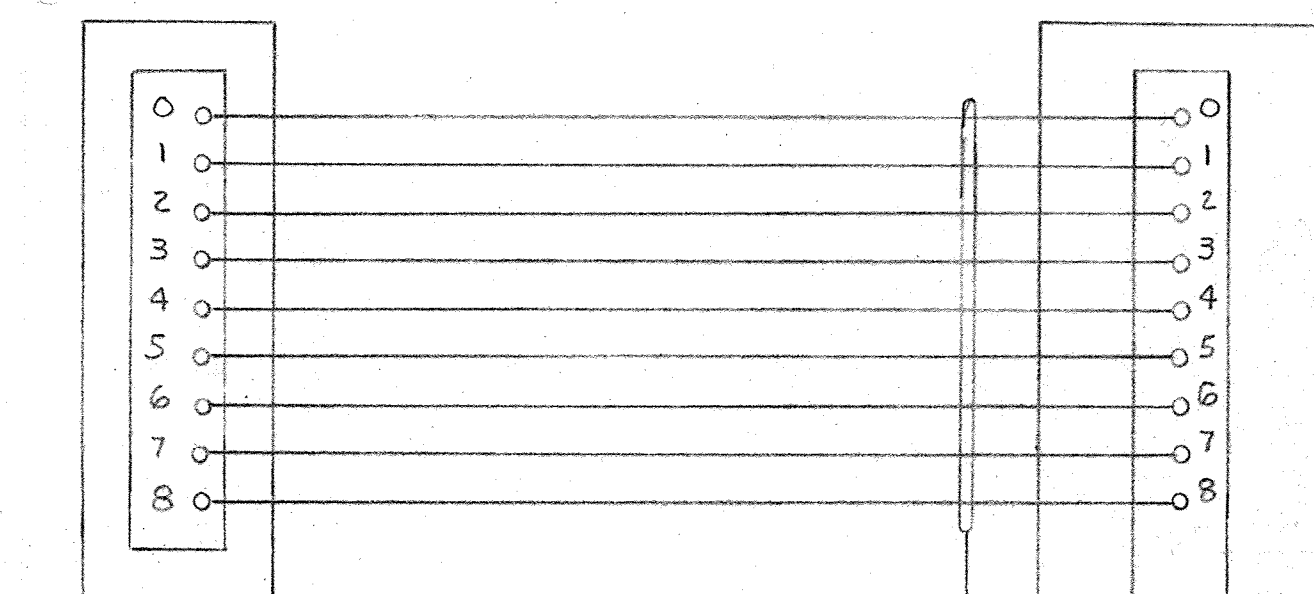
### AIR PRESSURE



As Built 6-30-82

10-5-81

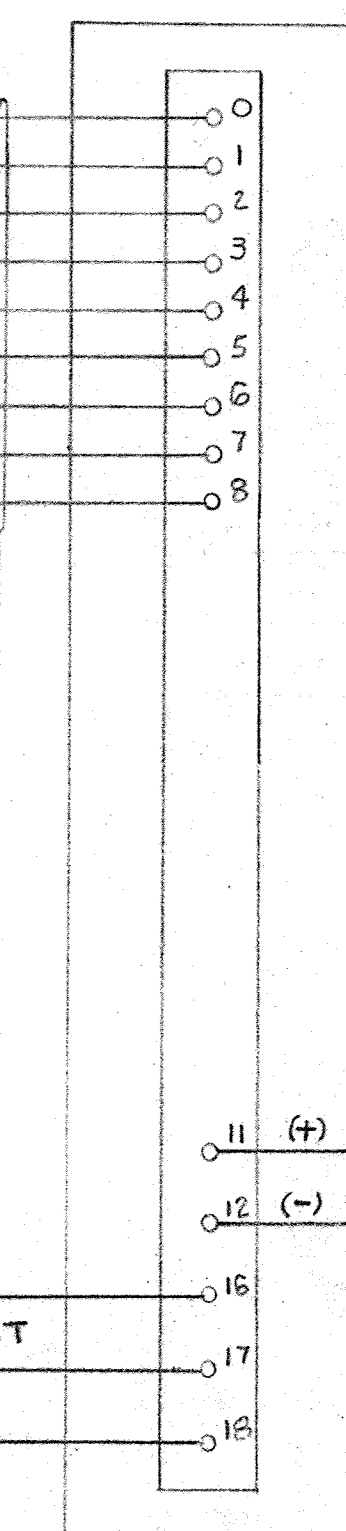
REV. 1	AS BUILT	4-21-81
<b>BRANDYWINE INSTRUMENTS, INC.</b> 3400 Old York Road Baltimore, Maryland 21218		
DRAWN O.A.	CHECKED	APPD
SCALE NONE	DATE 4-7-79	
CONTRACTOR <b>NORAIR ENGINEERING ASSOC.</b>		
SAVAGE, MD. (500S)		DRAWING NUMBER
PROJECT INSTRUMENTATION FIELD WIRING		<b>842-07</b>



MONITOR-SUSPENDED SOLIDS DETECTOR MODEL 55A (MTD. ON SENSOR)

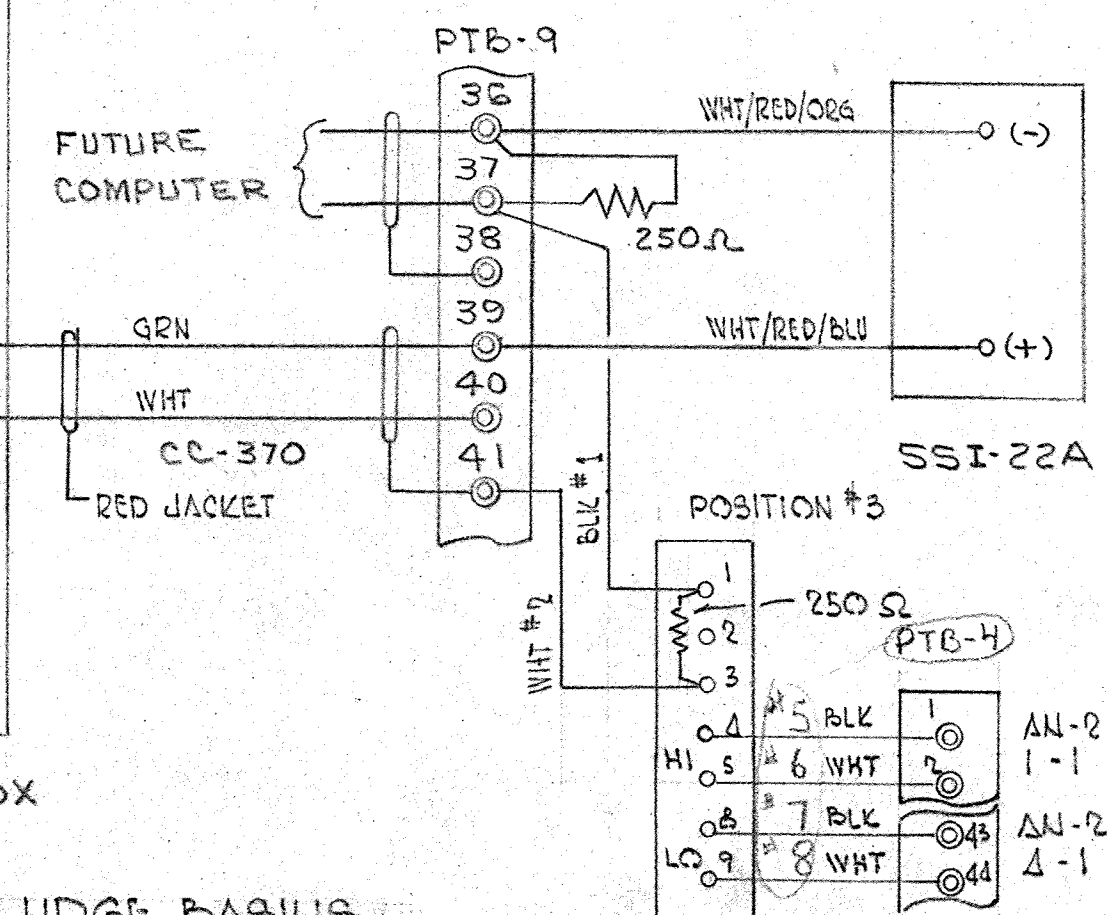
CC-369 FLEXIBLE CABLE (LENGTH AS REQD. BY ELECT. CONTR.) TO ALLOW WITHDRAWAL OF 8'-0", 2" PIPE FROM AERATION BASIN.

115VAC 60HZ BY ELECT. CONTR. TO CONDUIT



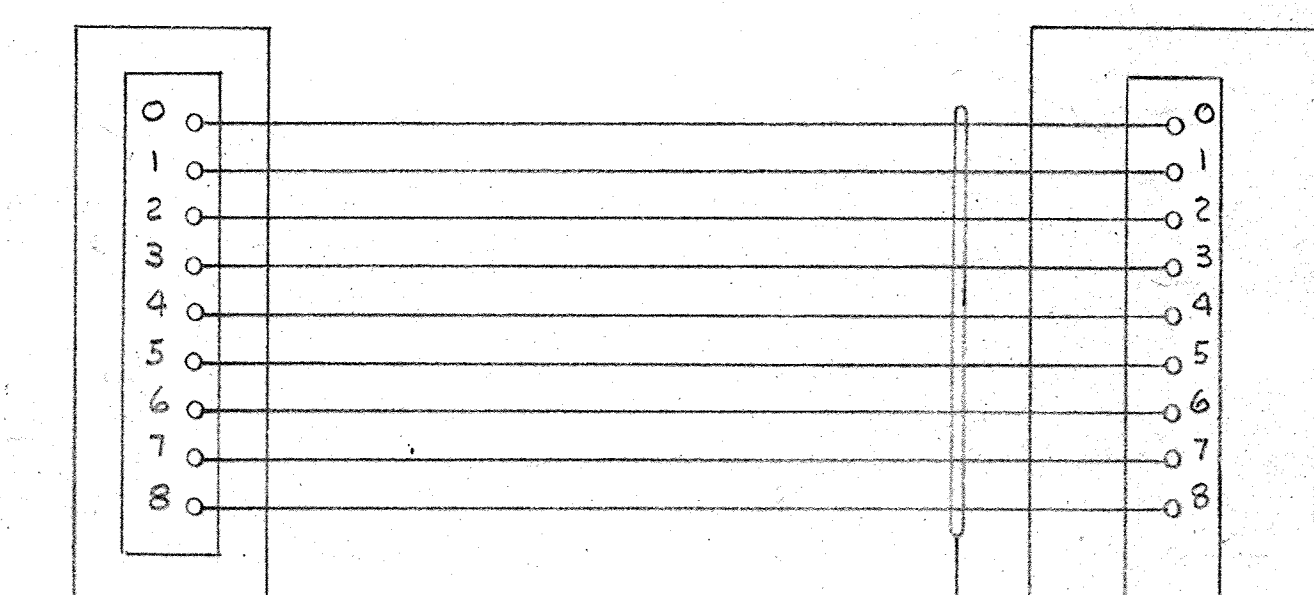
CONTROL BOX

ACTIVATED SLUDGE BASINS



MOORE PRODUCTS CURRENT ALARM UNIT 12

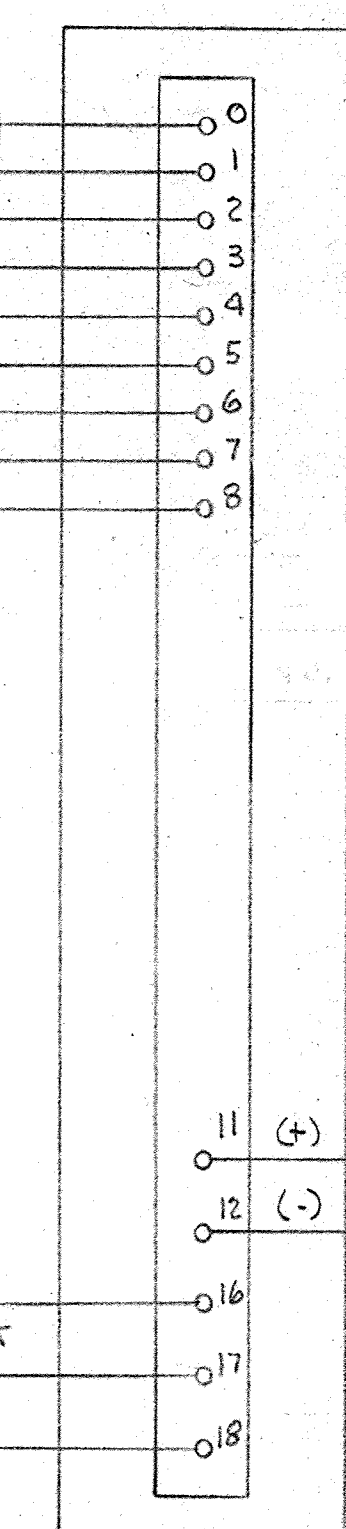
HIGH SET 16 MA 7.5 (INDICATOR)  
LOW SET 9 MA 3.0 (INDICATOR)



MONITOR-SUSPENDED SOLIDS DETECTOR MODEL 55A (MTD. ON SENSOR)

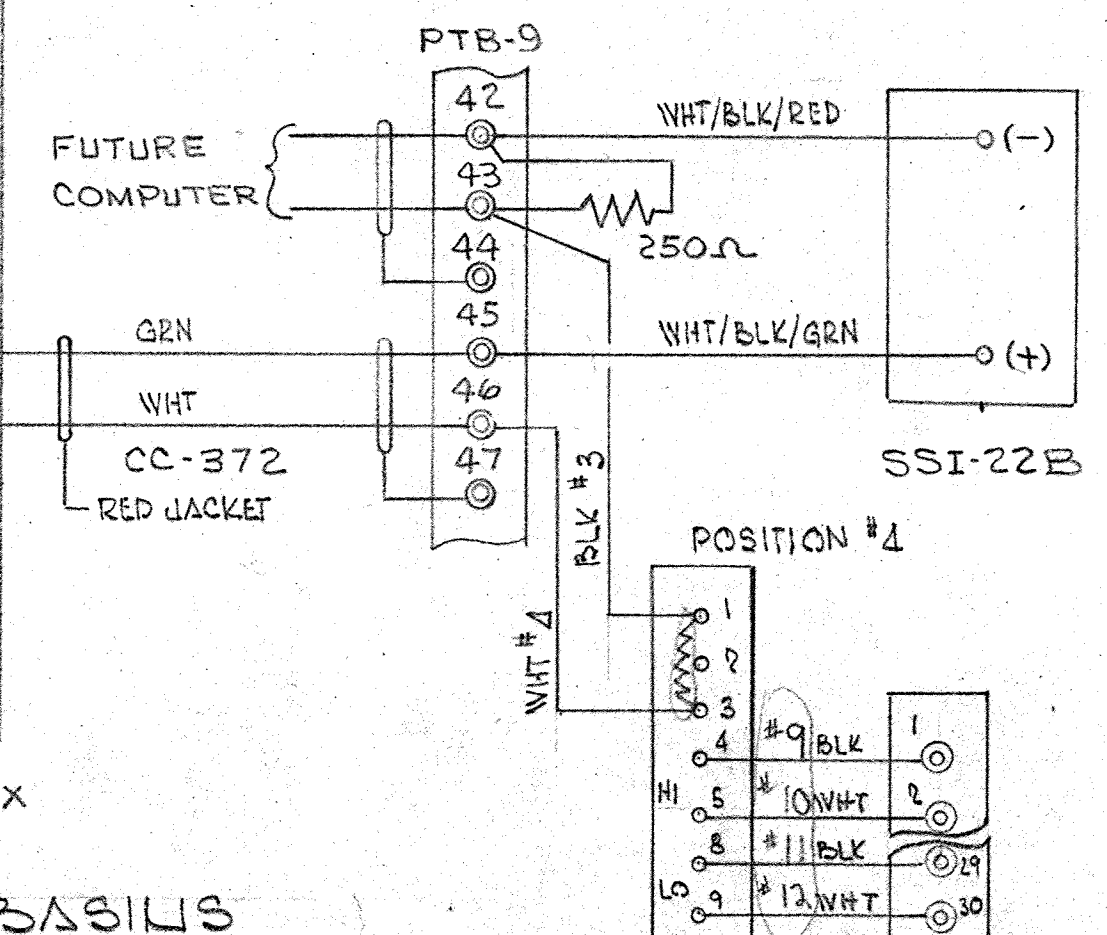
CC-371 FLEXIBLE CABLE (LENGTH AS REQD. BY ELECT. CONTR.) TO ALLOW WITHDRAWAL OF 8'-0", 2" PIPE FROM AERATION BASIN.

115 VAC 60HZ BY ELECT. CONTR. TO CONDUIT



CONTROL BOX

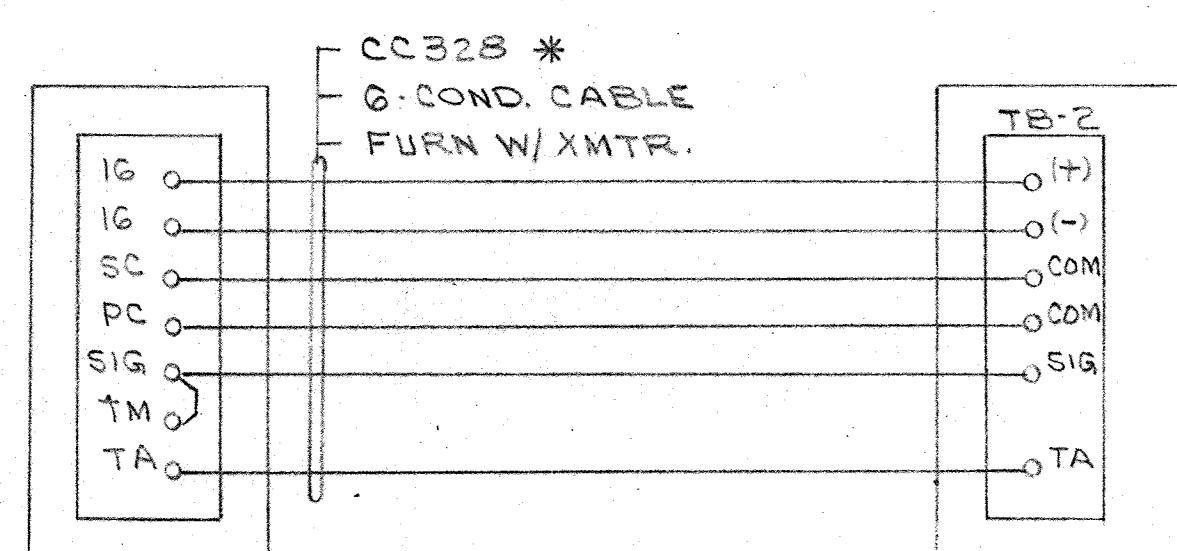
NITRIFICATION BASINS



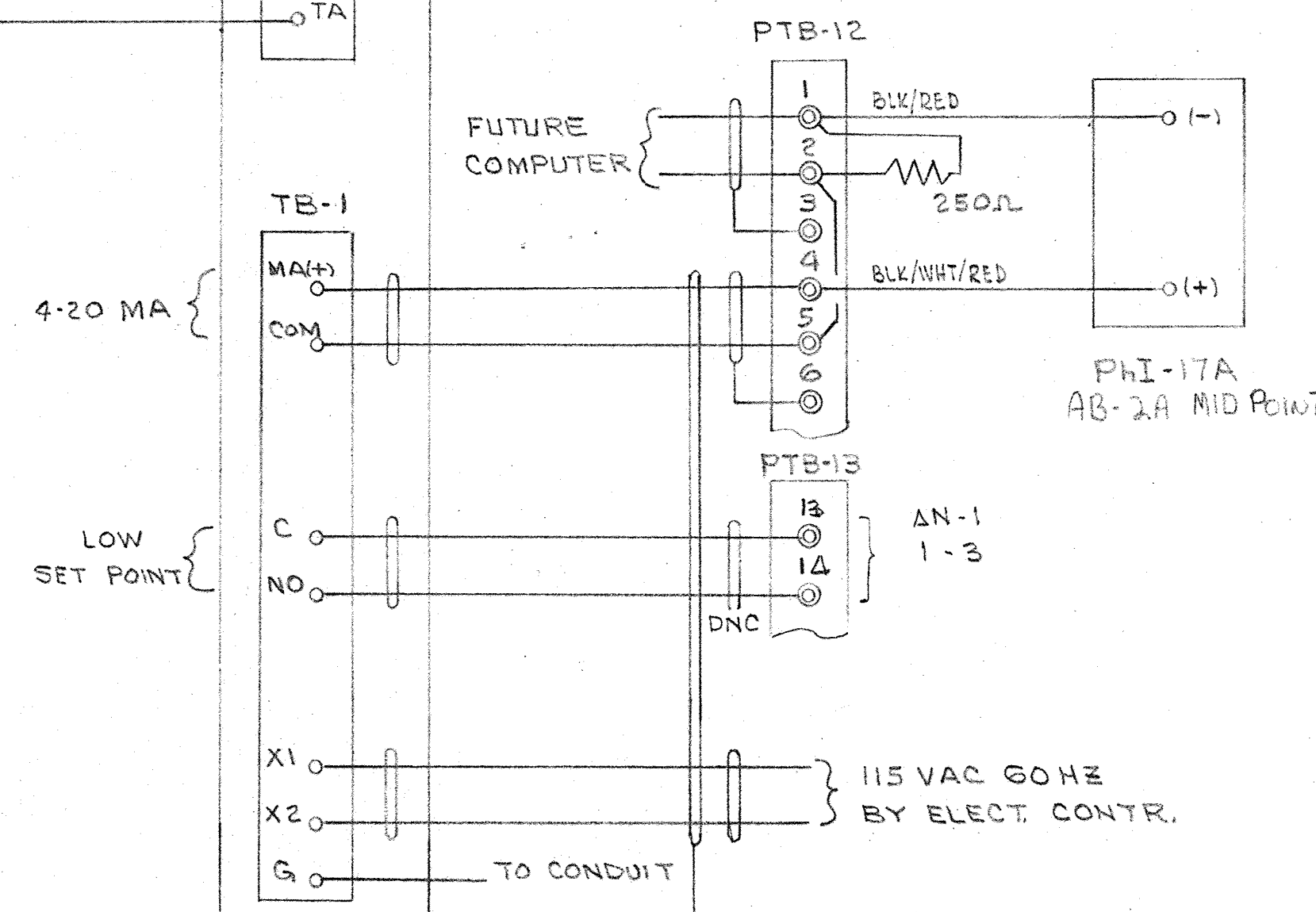
MOORE PRODUCTS CURRENT ALARM UNIT 12

HI SET 16 MA 7.5 (INDICATOR)  
LO SET 9 MA 3.0 (INDICATOR)

SUSPENDED SOLIDS



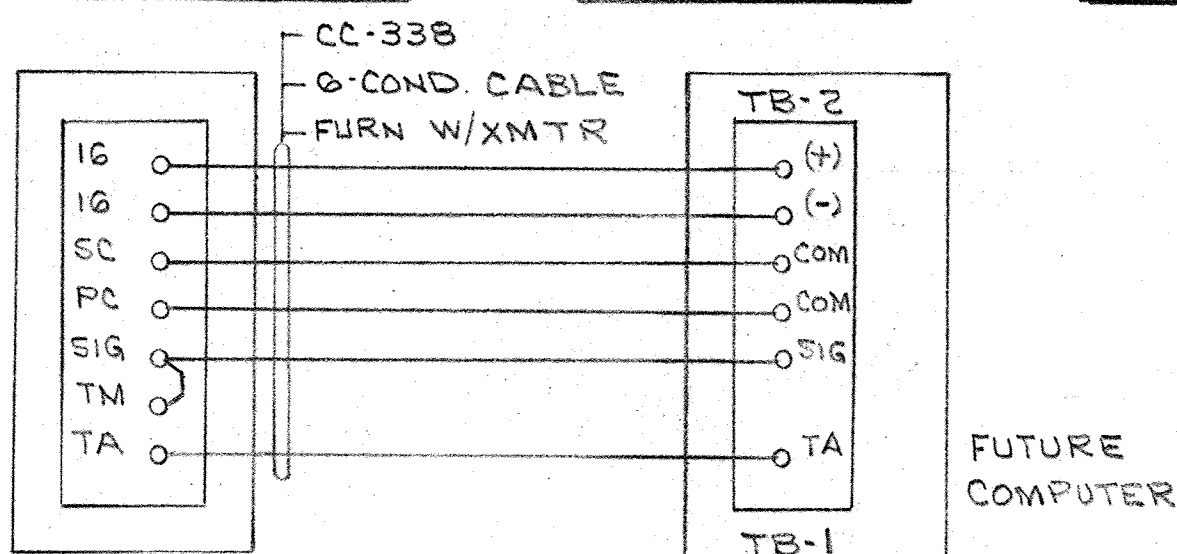
TRANSMITTER IN WESTON & STACK PH PROBE MODEL 370-1-1-2-1-0



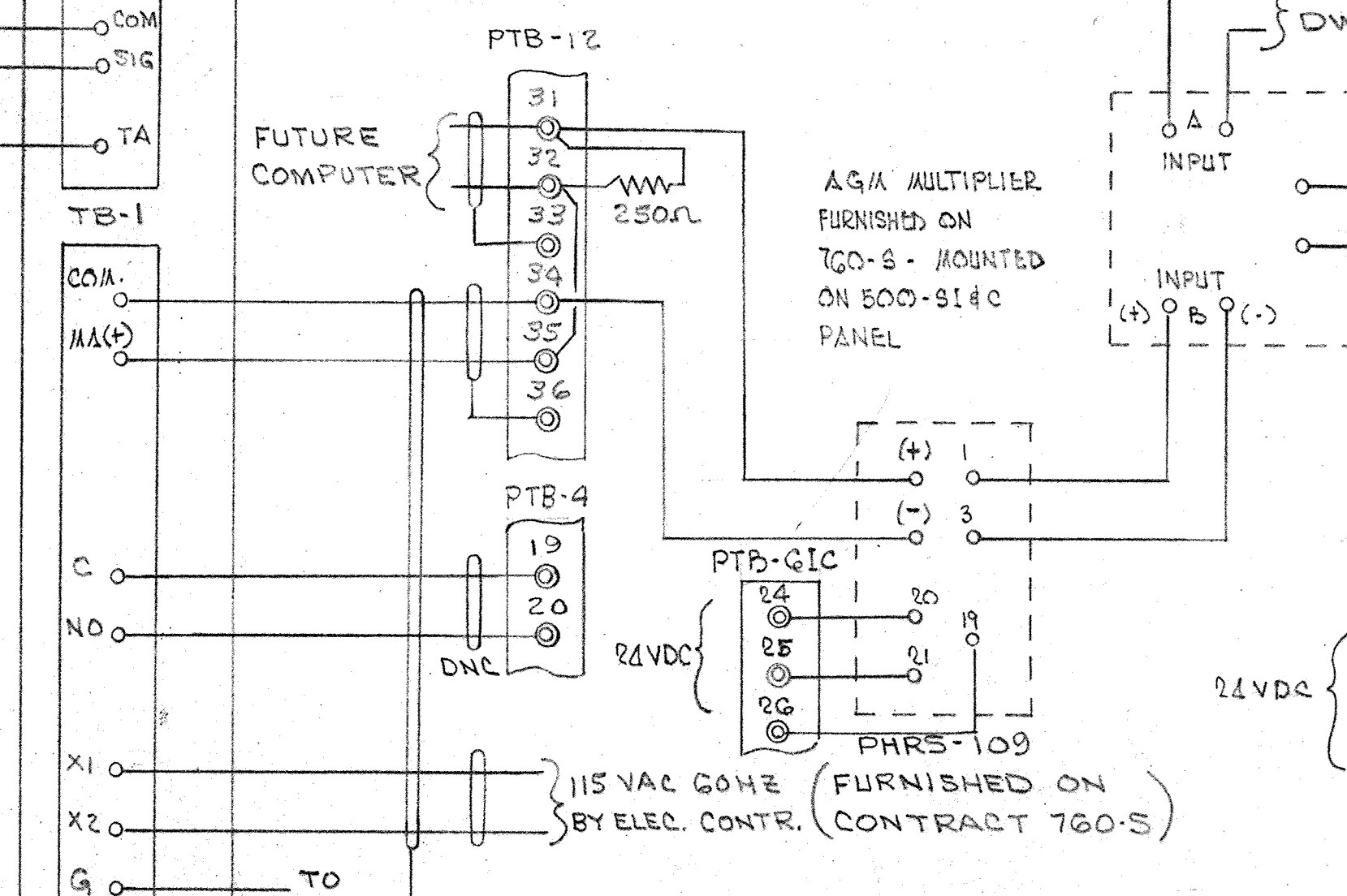
PH ANALYZER WESTON & STACK MODEL 370-1-1-2-1-0

PHI-17A SHOWN - SEE LIST BELOW FOR OTHER LOOPS.

PROBE	ANALOG			ALARM			* G-COND CABLE NO	** (3) SHLD PAIRS	PTB-12	PTB-12
	PTB	TERM. NO.	UNIT WINDOW	PTB	TERM. NO.	PTB-12				
PH-17B	12	7-12	AN-1 2-3	13	11-12	CC-330	CC-331	7(-) BLK	10(+)	10(+)
PH-17C	12	13-18	AN-1 3-3	13	33-34	CC-332	CC-333	13(-) BLK/RED/GRN	16(+)	16(+)
PH-17D	12	19-24	AN-1 4-3	13	47-48	CC-334	CC-335	19(-) RED/BLK	22(+)	22(+)
PH-15	12	25-30	AN-2 4-6	4	53-54	CC-336	CC-337	30(-) WHT	29(+)	29(+)



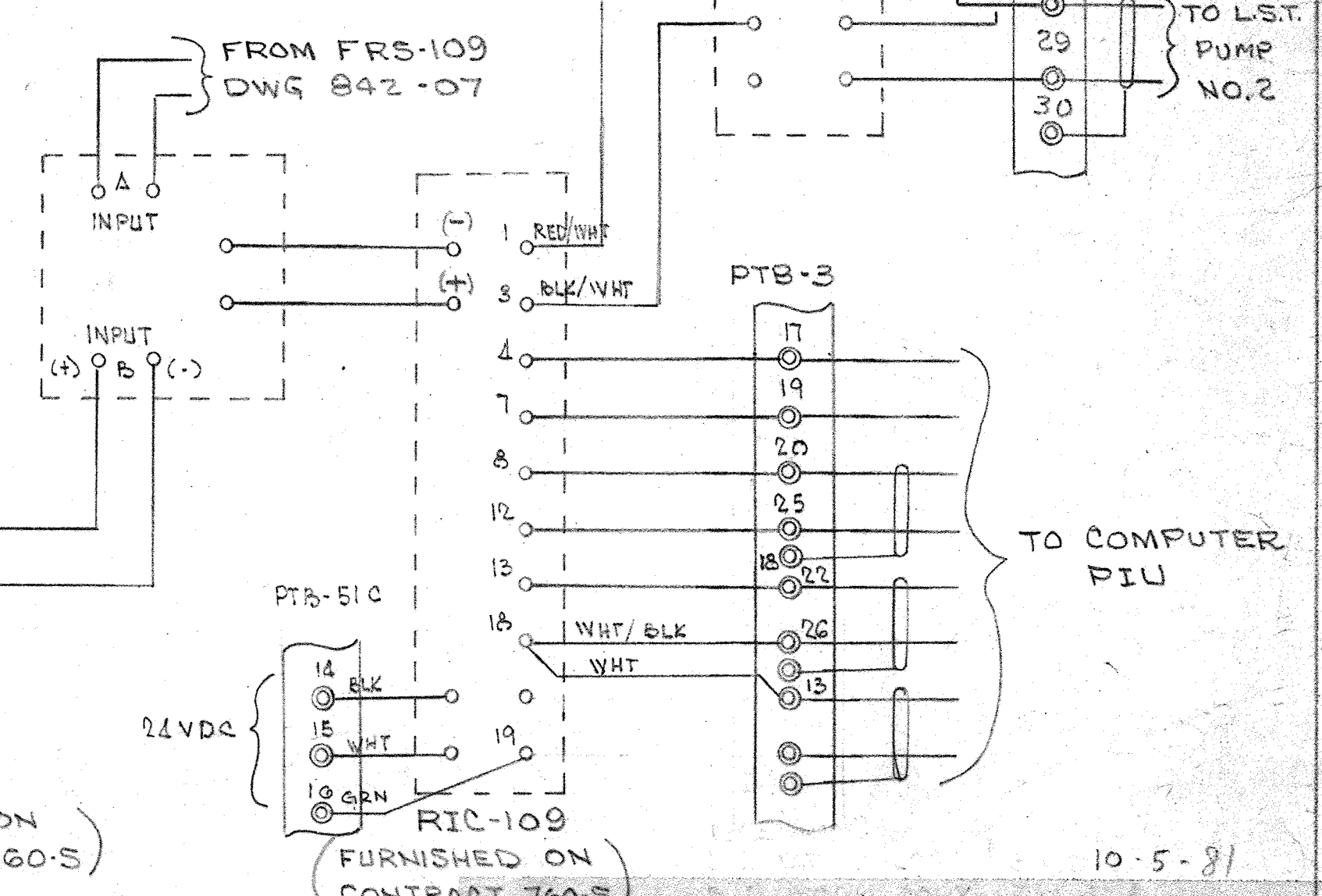
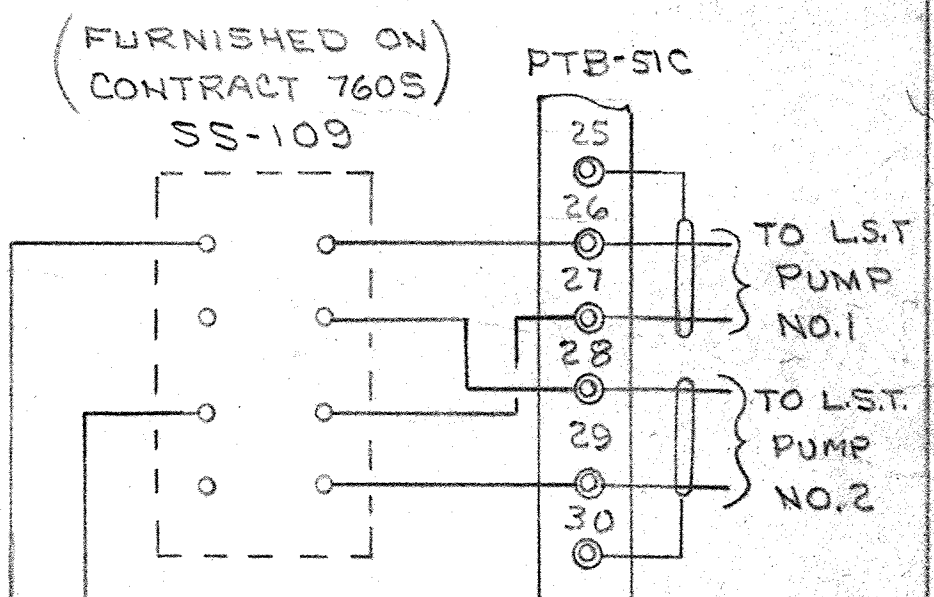
TRANSMITTER IN WESTON & STACK PH PROBE MODEL 370-1-1-2-1-0



PH ANALYZER WESTON & STACK MODEL 370-1-1-2-1-0

PH-16 LOOP

PH SYSTEMS



REV. 1 AS BUILT 4-21-81

**BRANDYWINE INSTRUMENTS, INC.**  
3400 Old York Road Baltimore, Maryland 21218

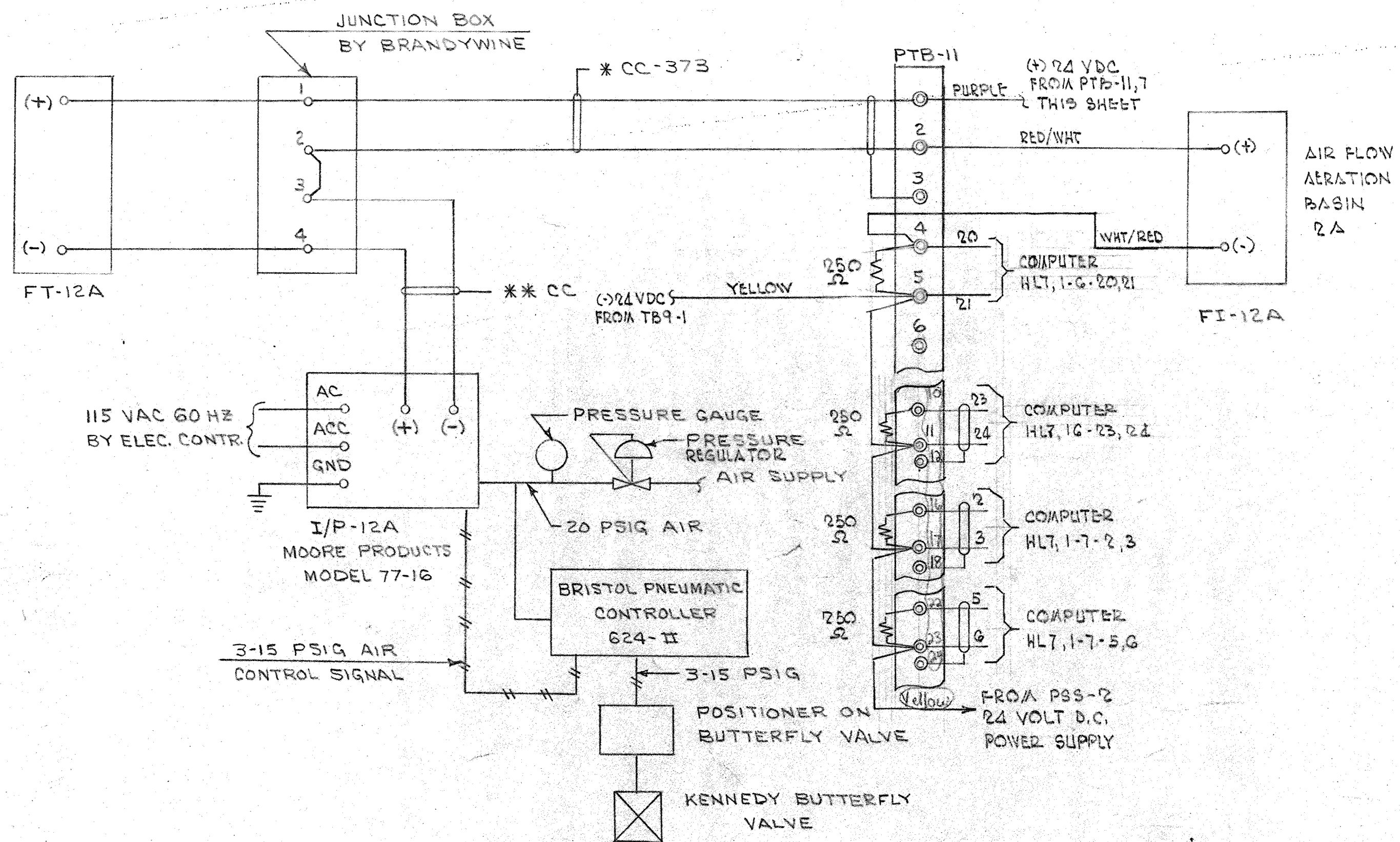
DRAWN D.A. CHECKED APPD SCALE NONE DATE 4-18-79

CONTRACTOR **NORAIR ENGINEERING ASSOC.**

SAVAGE, MD. (500S) DRAWING NUMBER 842-08

PROJECT INSTRUMENTATION FIELD WIRING

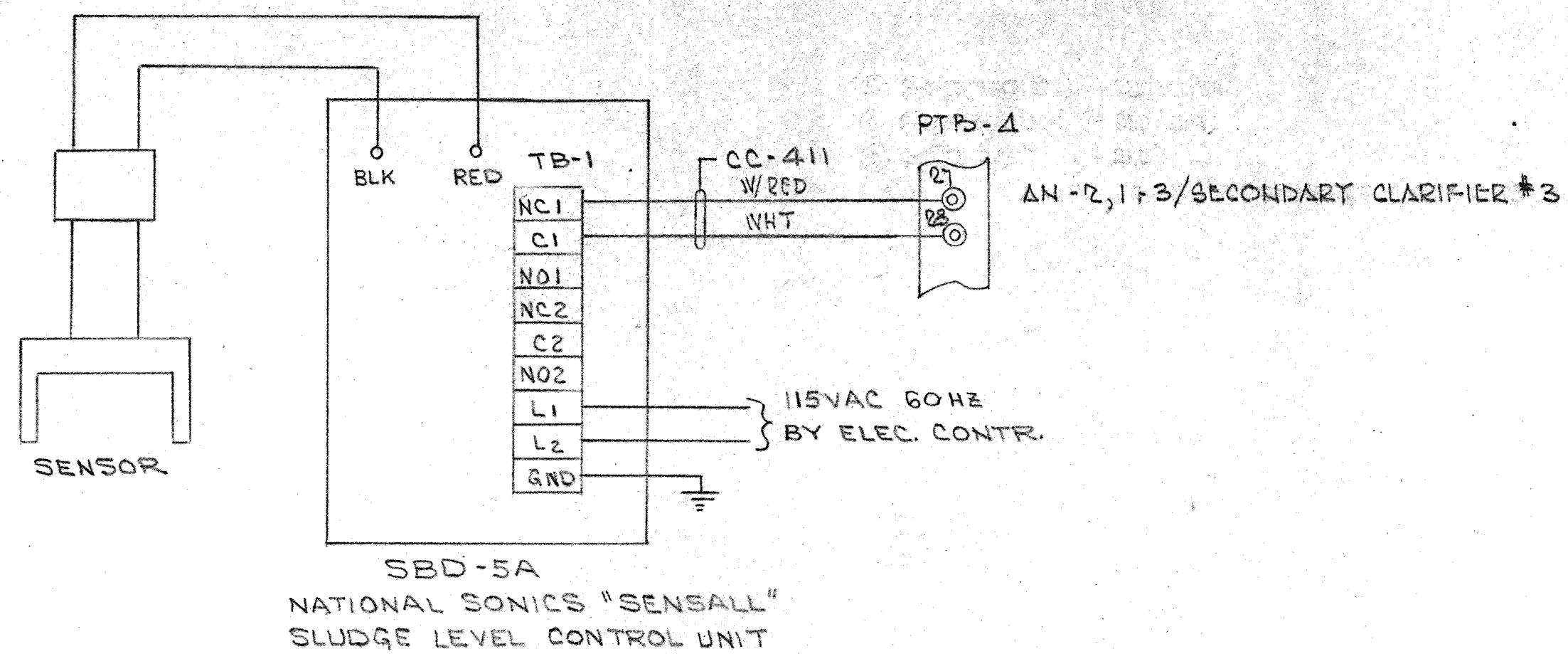




**TYPICAL AIR FLOW LOOP**

SEE TABULATION BELOW FOR OTHER LOOPS

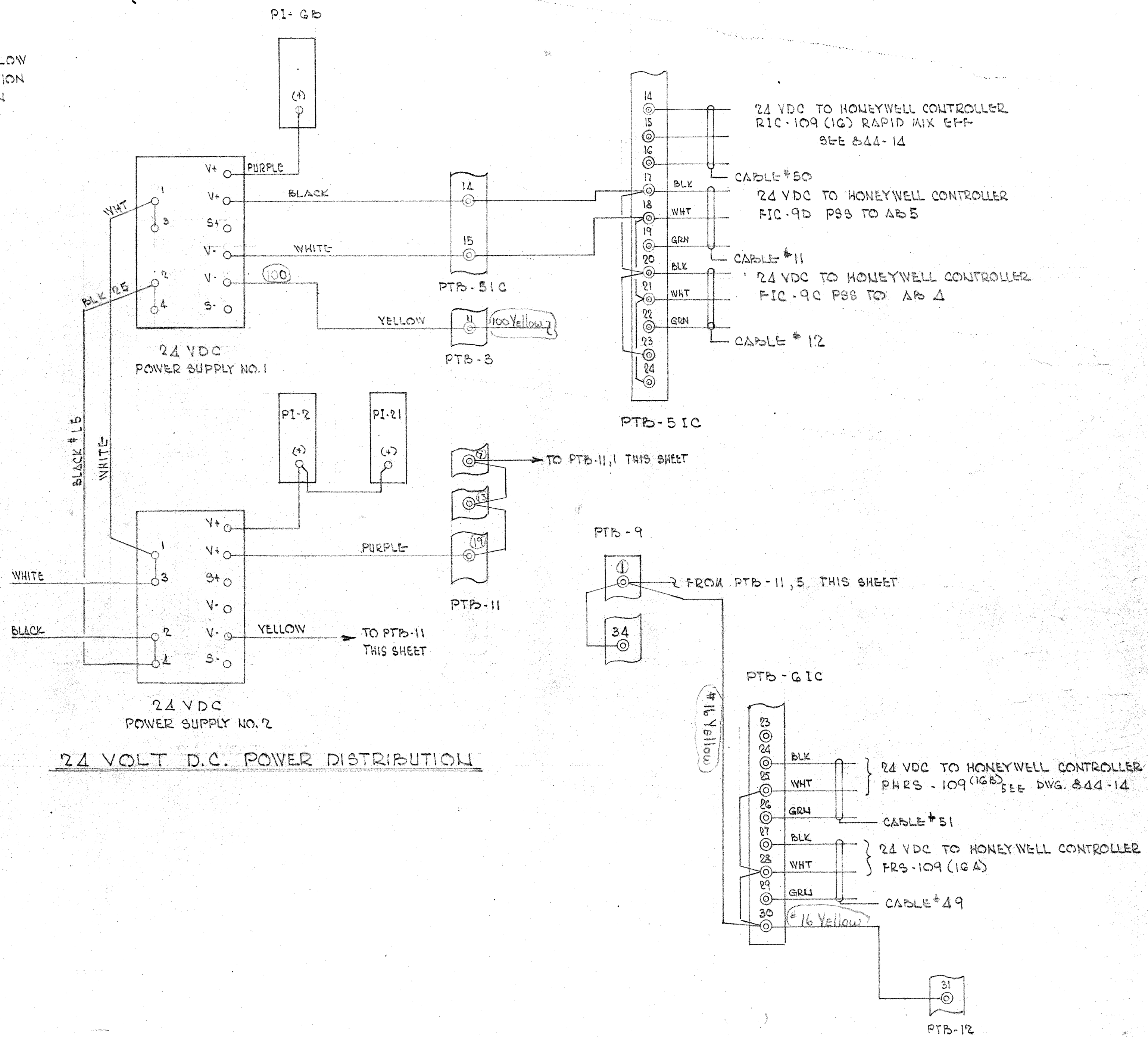
X/ATR	*CC-	**CC-	PTB. NO.	TERM. NOS.	INDICATOR	MOORE	CONTR	DESCRIPTION
FT-12B	CC-412	NOT SHOWN	11	7-12	FI-12-B	A (-RED/WHT/GRN)(+RED/BLK/WHT)	IP/12B	FIC-12B AIR FLOW AB-2B
FT-12C	CC-374		11	13-18	FI-12-C	B (-RED/BLK/GRN)(+RED/GRN)	IP/12C	FIC-12C AIR FLOW AB-3A
FT-12D	CC-413		11	19-24	FI-12-D	C (-RED/BLK)(+RED)	IP/12D	FIC-12D AIR FLOW AB-3B



**TYPICAL SLUDGE BLANKET DETECTOR LOOP**

SEE TABULATION BELOW FOR OTHER LOOPS

DETECTOR	CC-	PTB. NO.	TERM. NOS.	ANNUNCIATOR	SERVICE
SBD-5B	CC-382	4	9-10	AN-2 2-3	SECONDARY CLARIFIER
5C	380		33-34	AN-1 3-3	
7A	301	13	15-16	AN-1 1-5	NITRIFICATION
7B	303		31-32	2-5	
7C	405		37-38	3-5	
7D	408		51-52 (3-10-81)	4-5	



**24 VOLT D.C. POWER DISTRIBUTION**

10-5-81

REV. 1 AS BUILT 4-21-81

As Built 6-30-80

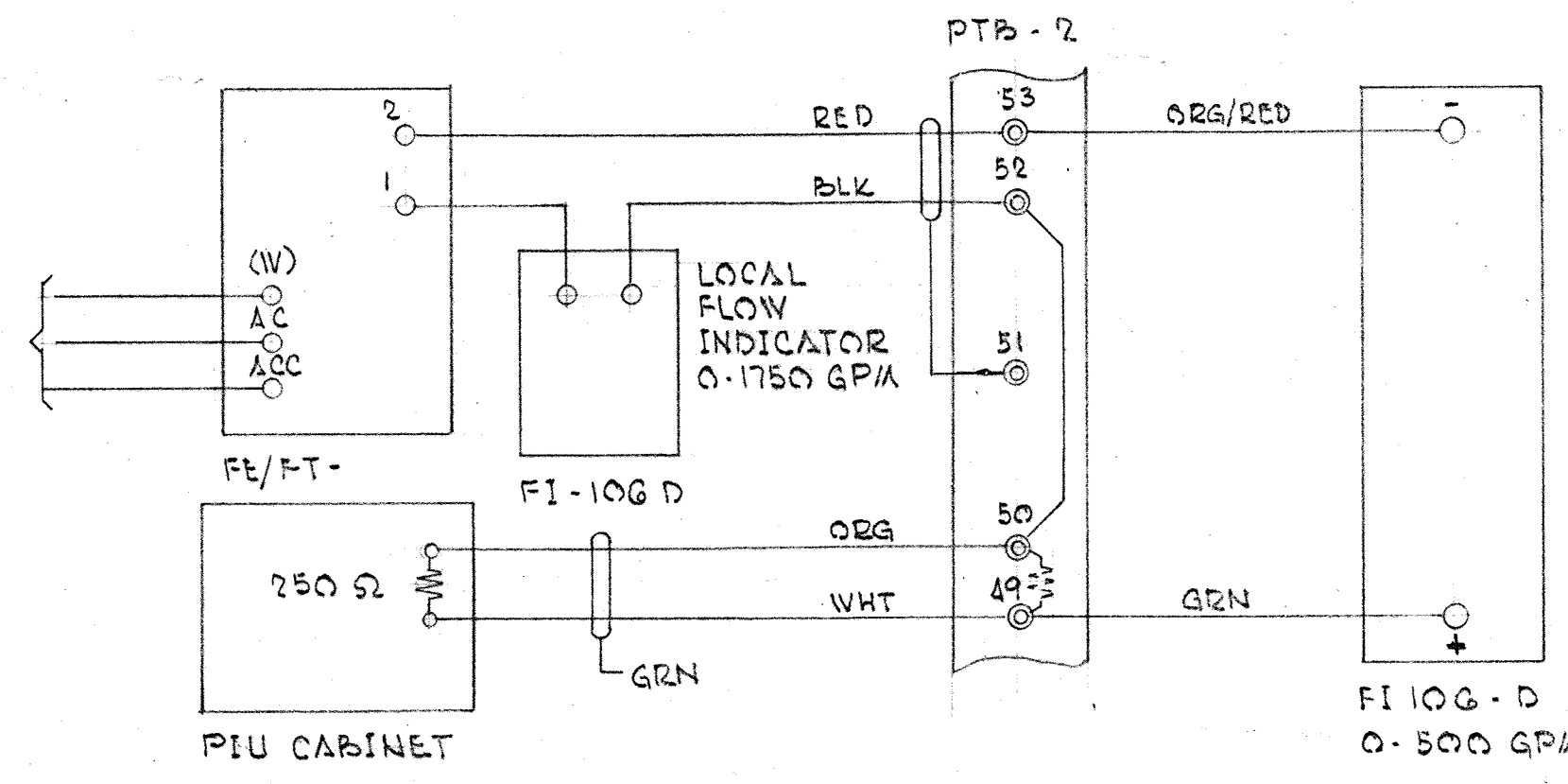
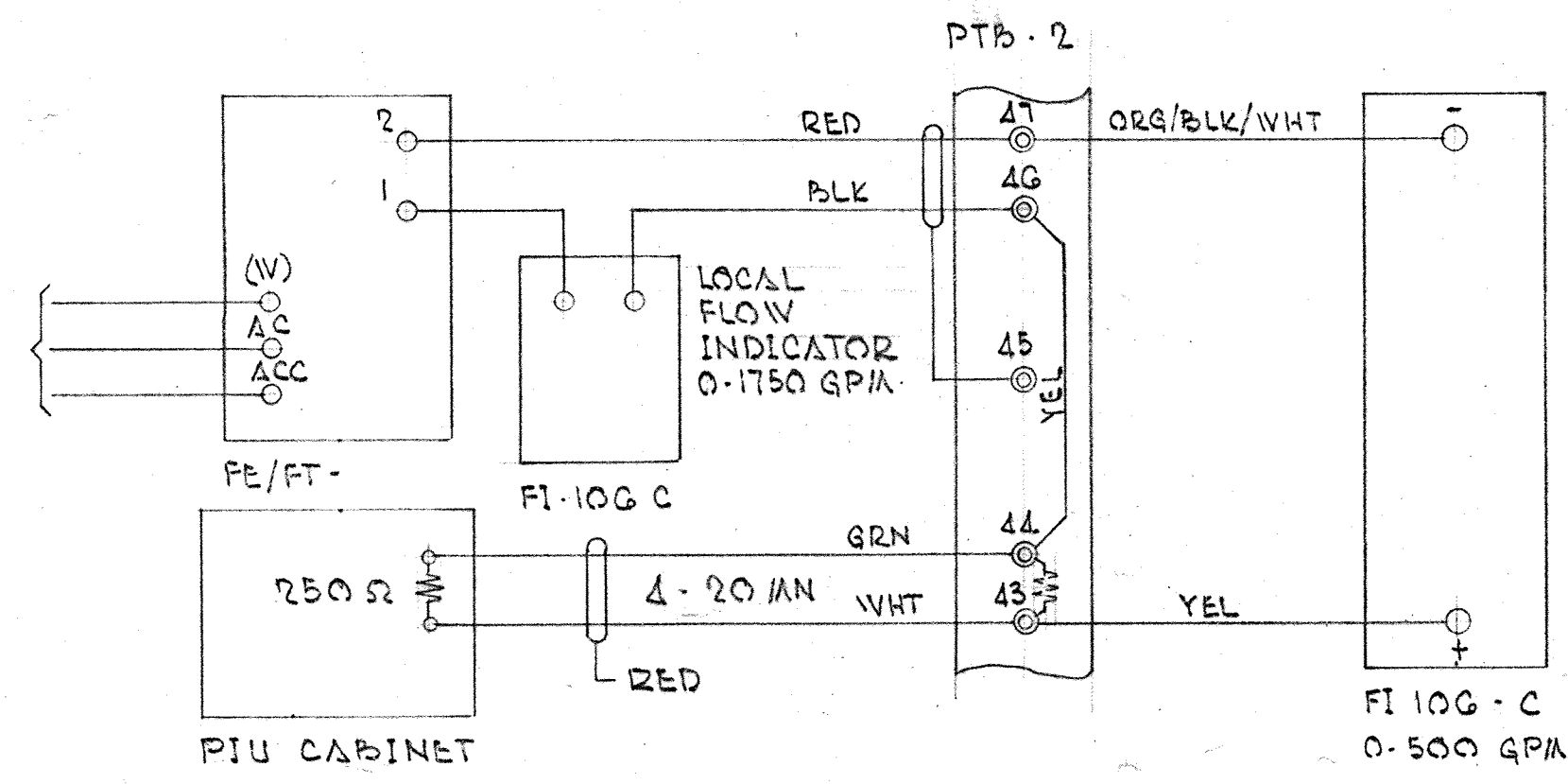
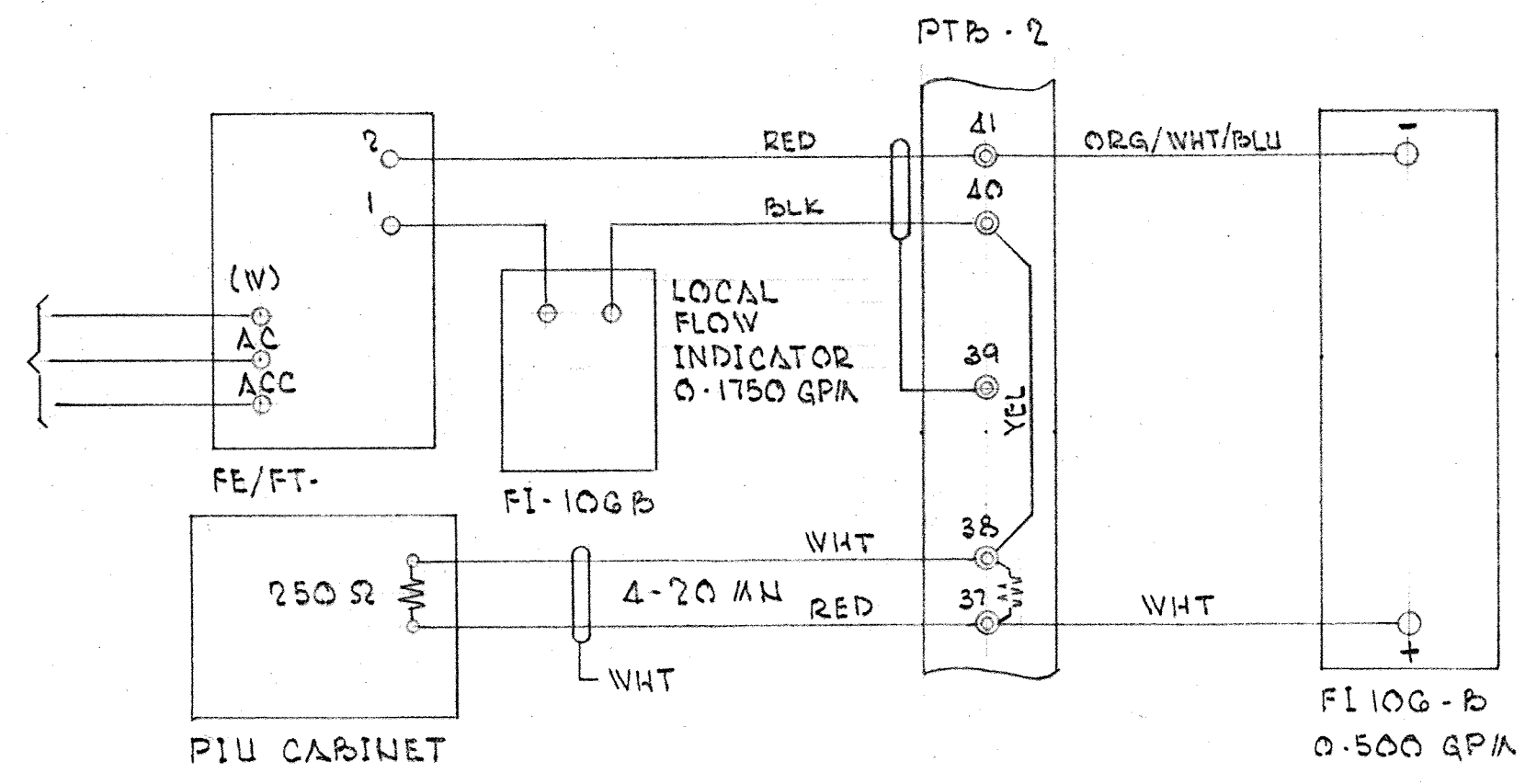
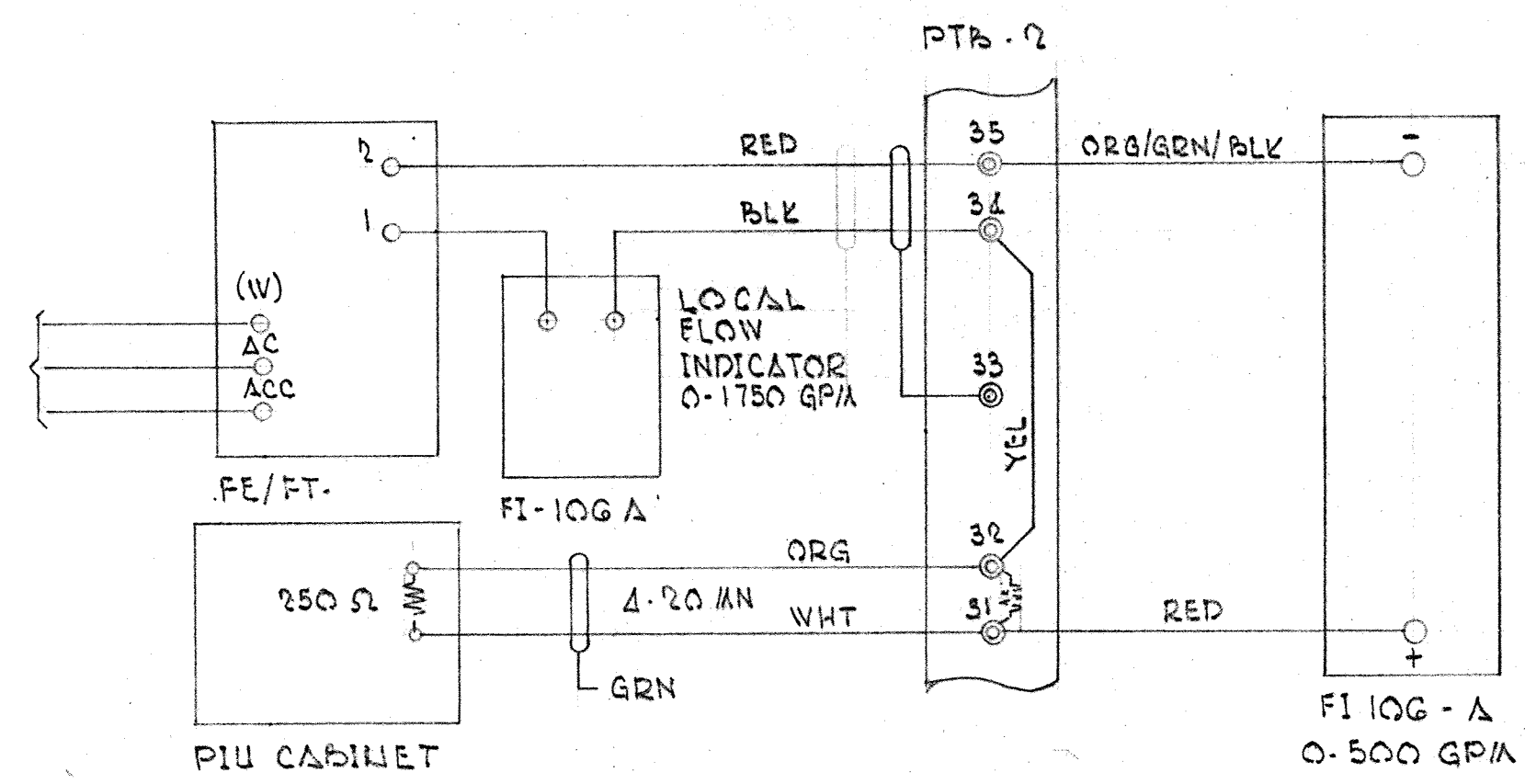
**BRANDYWINE INSTRUMENTS, INC.**  
3400 Old York Road Baltimore, Maryland 21218

DRAWN D.A. CHECKED APPD SCALE NONE DATE 4-18-79

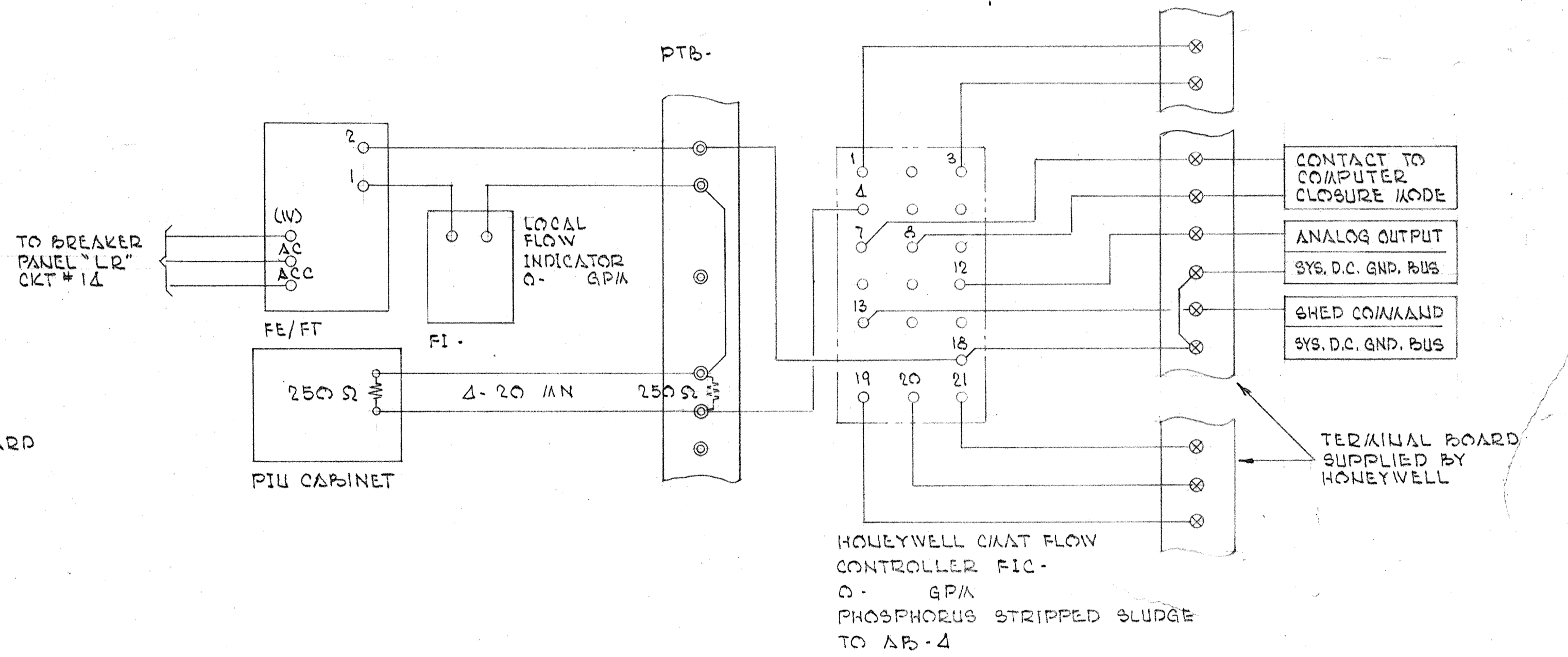
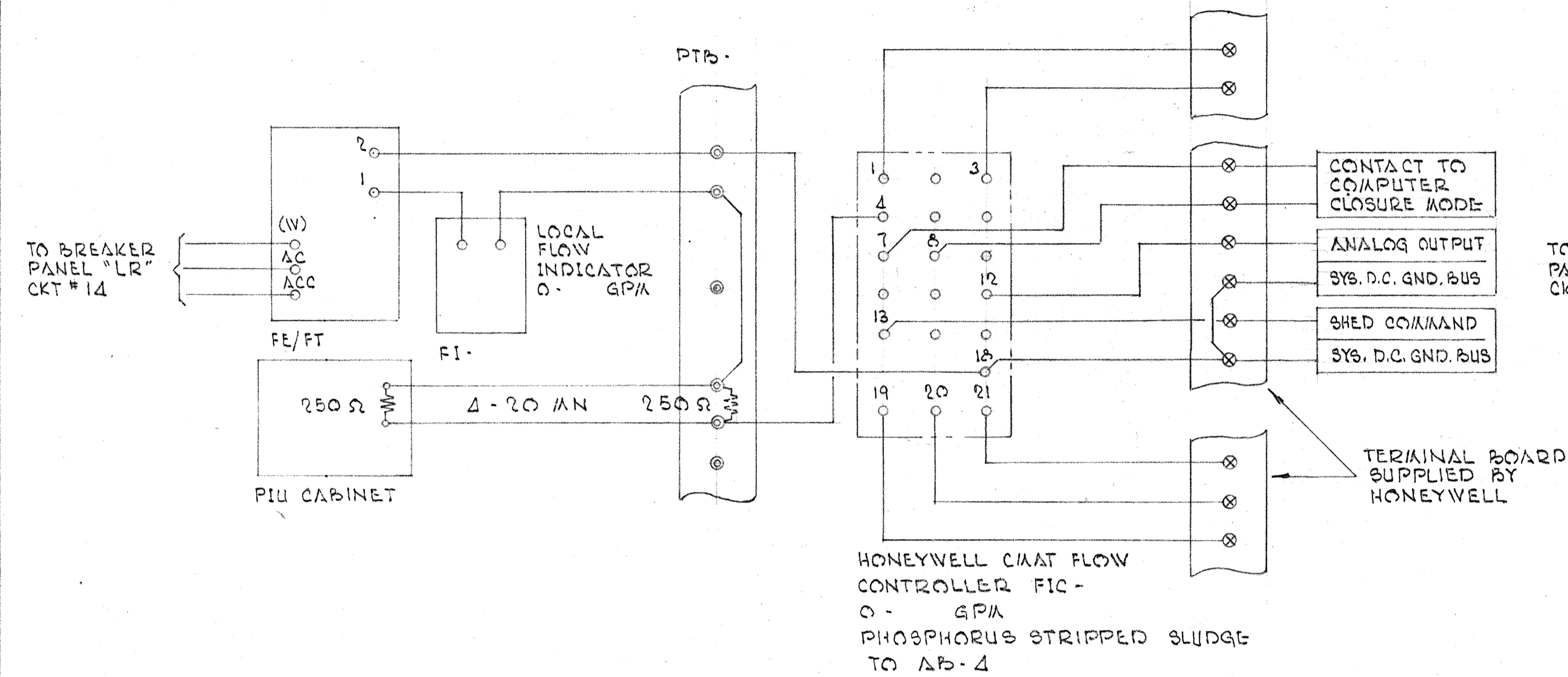
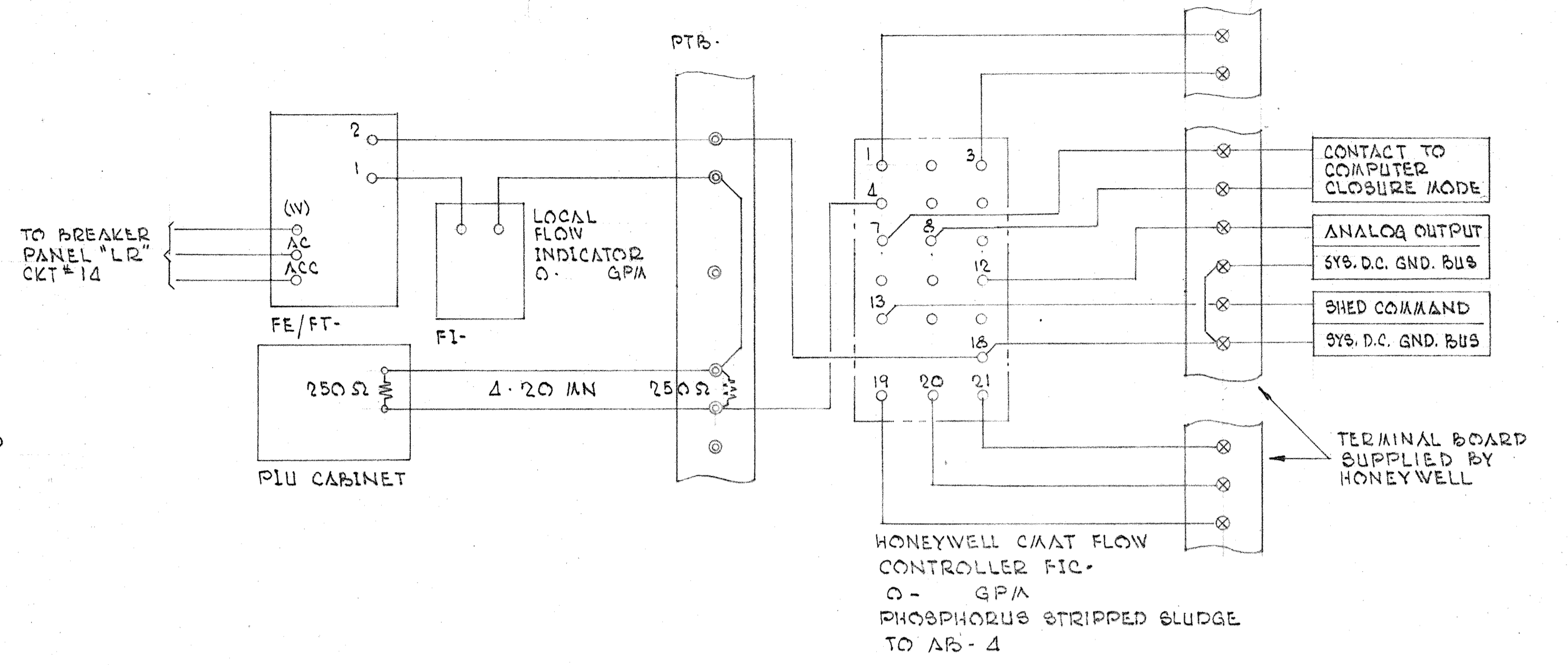
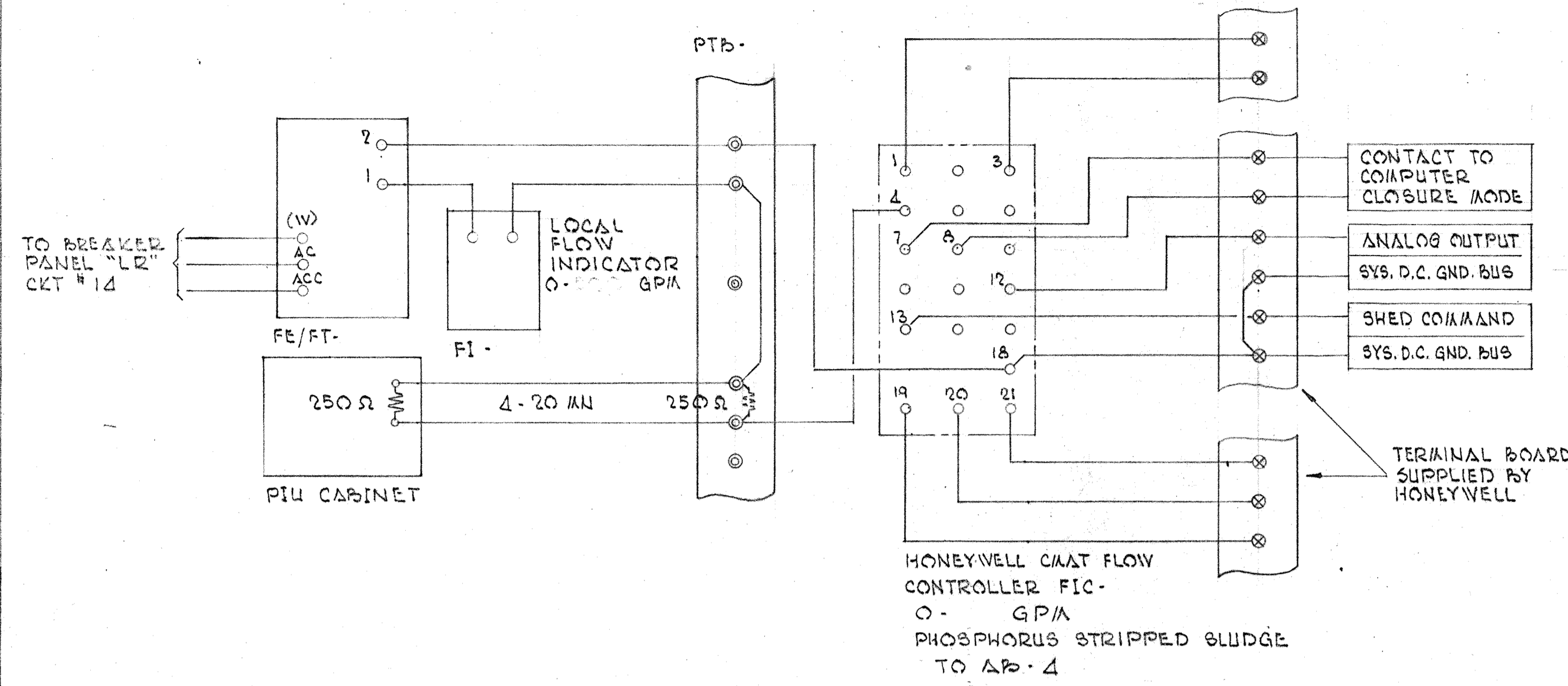
CONTRACTOR **NORAIR ENGINEERING ASSOC.**

SAVAGE, MD. (5005) DRAWING NUMBER **842-09**

PROJECT INSTRUMENTATION FIELD WIRING



As-Built 6-30-92  
 WIRES NOT FIELD CHECKED  
 BRIDGMAN INSTRUMENTS  
 842-10



As Built 6-30-82  
 Wires Not Field Checked  
 Bradywire Instruments  
 842-11