

1. COMMUNICATION LETTERS

Letter	First Position	Second Position	Third Position
A	ANALYSIS	ALARM	
C	CONTROL		
F	FLOW RATE	PRIMARY ELEMENT	
H			HIGH
I	INDICATE		
K	TIME		
L	LEVEL		LOW
R	RECORD		
S	SWITCH		
T	TRANSMIT		TRANSMIT
Y	MULTIVARIABLE		
			COMPUTER

2. ABBREVIATIONS (EXCEPT IDENTIFICATION LETTERS)

NaOH	SODIUM HYDROXIDE SOLUTION
Fe ⁺	IRON (LOW)
TUR	TURBIDITY (SUSPENDED SOLIDS)
PH	HYDROGEN ION CONCENTRATION
FO	FAIL OPEN
FC	FAIL CLOSE
H-O-A	HAND OFF-AUTOMATIC
f(pH)	FUNCTION OF pH
REV	REVERSE OR REVERSE ACTION
P	PROPORTIONAL (MODE)
I	INTEGRAL OR RESET (MODE)
SP	SET POINT
X	PLUS
H	HIGH
M	MEDIUM
L	LOW
SV	SOLVED VALVE
MV	MOTORIZED VALVE
SS	SELECTOR SWITCH
ES	ELECTRIC SIGNAL
PP	PROCESS PUMP
SP	SAMPLE PUMP
SSP	SAMPLE PUMP
OLS	OVERLOAD SWITCH
MSS	MOTOR START SWITCH

3. SYMBOLS

	FLOW		PUMP, SAMPLE (ROTARY)
	WEIR		GRAVITY DRAIN BOWL
	VALVE, GLOBE, HAND OPERATED		FLOW TUBE
	VALVE, BUTTERFLY		VALVE, CHECK, SWING
	VALVE, SOLENOID, MOTORIZED		MOTOR, ELECTRIC
	VALVE, GLOBE, SOLENOID OPERATED		PROCESS LINE (SHOWN W/FLOW DIRECTION)
	VALVE, BALL, MOTORIZED		NON-PROCESS LINE OR MECHANICAL CONNECTION
	PUMP, CENTRIFUGAL		ELECTRICAL LINE (SHOWN W/CONNECTION)
	VALVE, SQUARE, HAND OPERATED		

COMPONENTS NOT SHOWN ON THIS DRAWING WHICH SHALL BE FURNISHED BY INSTR. CONTR.

GREEN PILOT LIGHTS FOR: M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11

NINE 240V PILOT LIGHTS & SPACE FOR THREE ADDITIONAL FOR ALARM INDICATION 30 MIN. ALARM SILENCING TIME BY ALARM BELL

COMPONENTS SHOWN ON THIS DRAWING TO BE FURNISHED BY OTHERS

ALL VALVES, PUMPS, CLASSIFIERS & TANKS, HAND VALVES, CHECK VALVES, INTERCEPTORS & DRAIN BOWLS, MOTORIZED BALL VALVES, SOLENOID VALVES AND PUMP ELECTRICAL AS NOTED IN SPECIFICATIONS PP1A & SP100 CONTROLS PP2 THRU PP5 & SP100 CONTROLS PP6A & PP6B PP7A & PP7B PP8 & UY/11

REVISIONS

NO.	DESCRIPTION	DATE

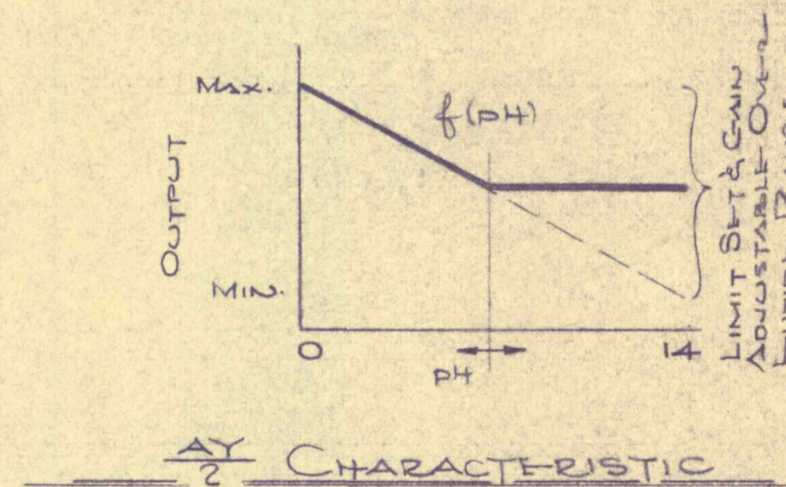
INSTRUMENTATION DIAGRAM (PANEL-ACP)

CONSTRUCTION OF TREATMENT FACILITIES FOR ACID MINE DRAINAGE
RAUSCH CREEK WATERSHED
 SCHUYLKILL COUNTY, PENNSYLVANIA

ANTHRACTITE RESEARCH & DEVELOPMENT CO. INC.
 consulting engineers
 POTTSVILLE PENNSYLVANIA TAMAGUA

JOB NO: 0805
 DATE: NOV. 1967
 SCALE: NOT TO SCALE
 DRAWN: [Signature]
 APPROVED: [Signature]

DRAWING NO: **I-2**



1. SP1A, SP2A & SP3A shall be paralleled with O/S-SPACE
2. MOTOR RUNNING, MV23A & B SUPPLY CONNECTIONS NOT SHOWN
3. ALL CONDUITS WILL BE FURNISHED AND INSTALLED BY THE CONTRACTOR
4. (W/E) DI-NOTES WILL BE FILED BY INSTRUMENTATION CONTRACTOR