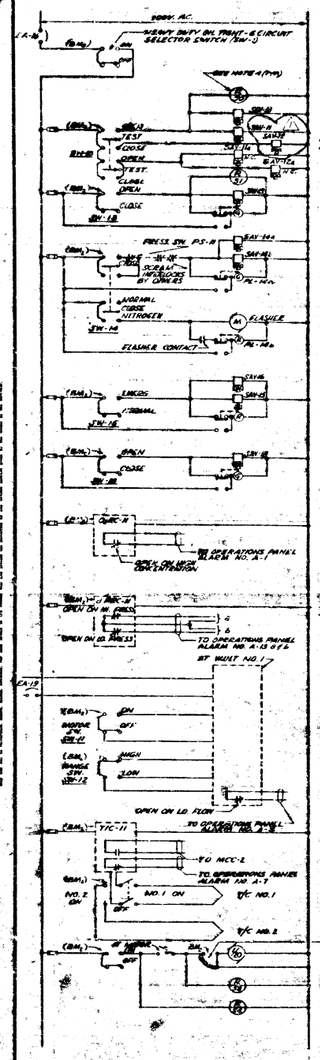
120V. A.C.
HEAVY DUTY ON, TRIPLE-4 CIRCUIT SELECTOR SWITCH (SW-1)
SEE NOTE 4 (THIS)
PURGE VALVE NO. 1
ATMOSPHERE EXCHANGE AIR SUPPLY VALVE CV-14
VAULT CLOSURE VALVES 1, CV-13, CV-15
FLASHER CONTACT
CONTROL SIGNAL SELECTION FOR 16 SUPPLY VALVES CV-1, CV-12, AND EXHAUST VALVES CV-16, CV-17
ATMOSPHERE EXCHANGE EXHAUST VALVE CV-18
OXYGEN RECORDING CONTROLLER VAULT NO. 1
TO OPERATIONS PANEL ALARM NO. A-1
DIFFERENTIAL PRESSURE RECORDING CONTROLLER VAULT NO. 1
OPEN ON HI. PRESS.
OPEN ON LO. PRESS.
AT VAULT NO. 1
OPEN ON LO. FLOW
TEMPERATURE INDICATOR CONTROLLER VAULT NO. 1
TO MCC-2
TO OPERATIONS PANEL ALARM NO. A-7
NO. 1 ON
T/C NO. 1
T/C NO. 2
AT MOTOR
THERMOCOUPLES IN VAULT NO. 1
AMBIENT TEMPERATURE 55° TO 40°F. RANGE
SWITCH POSITION SEE SCHEMATIC E-3-a SHEET NO. 1
OXYGEN ANALYZER-N VAULT NO. 1
120 V. A.C.
PURGE VALVE NO. 2
ATMOSPHERE EXCHANGE AIR SUPPLY VALVE CV-23
VAULT CLOSURE VALVES 3, CV-24, CV-25
CONTROL SIGNAL SELECTION FOR 16 SUPPLY VALVES CV-21, CV-22 AND EXHAUST VALVES CV-26, CV-27
ATMOSPHERE EXCHANGE EXHAUST VALVE CV-28
OXYGEN RECORDING CONTROLLER VAULT NO. 2
TO OPERATIONS PANEL ALARM NO. A-2
DIFFERENTIAL PRESSURE RECORDING CONTROLLER VAULT NO. 2
AT TRANSFER LOCK
OXYGEN ANALYZER-S VAULT NO. 2
TEMPERATURE INDICATOR CONTROLLER VAULT NO. 2
THERMOCOUPLES IN VAULT NO. 2
AMBIENT TEMPERATURE 115° TO
SWITCH POSITION SEE SCHEMATIC E-3-a SHEET NO. 2
120V. A.C.
PURGE VALVE NO. 3
ATMOSPHERE EXCHANGE AIR SUPPLY VALVE CV-33
VAULT EXHAUST VALVES CV-34, CV-35
CONTROL SIGNAL SELECTION FOR 16 SUPPLY VALVES CV-31, CV-32 AND EXHAUST VALVES CV-36, CV-37
ATMOSPHERE EXCHANGE EXHAUST VALVE CV-38
OXYGEN RECORDING CONTROLLER TRANSFER LOCK
DIFFERENTIAL PRESSURE RECORDING CONTROLLER TRANSFER LOCK
OXYGEN ANALYZER-S1 TRANSFER LOCK
TEMPERATURE INDICATOR CONTROLLER TRANSFER LOCK
THERMOCOUPLES IN TRANSFER LOCK
AMBIENT TEMPERATURE 115° TO 80°F. RANGE
SWITCH POSITION SEE SCHEMATIC E-3-a SHEET NO. 2
120V AC
FLOW & RADIATION RECORDERS
TO ANNUNCIATOR PANEL 123 ALARM NO. 6
VACUUM CLEANING VALVES CV-101 A & B
VALVES CV-102 A & B
VALVES CV-103 A & B
SCRAM CONTACTS BY OTHERS
VALVE CONTROL SW-101, KEY TYPE. KEY REMOVABLE IN CLOSED POSITION ONLY.
VAULT NO. 1
VAULT NO. 2
TRANSFER LOCK
VAULT SELECTOR SW-100 KEY TYPE ALT REMOVABLE IN CLOSED POSITION ONLY
HOLD UP TANK TK-105-B EXHAUST VALVE CV-51
HOLD UP TANK TK-105B EXHAUST VALVE CV-52
HOLD UP TANK TK-105C EXHAUST VALVE CV-53
SAT. TAMPERING
ALARM NO. A-22
ALARM NO. A-24
TO OPERATIONS PANEL
RADIATION MONITOR CONTROL PANEL
CRDM/ GAS METER PARTICULATE ACTIVITY
CRDM/ GAS METER GAS RADIOACTIVITY
TO OPERATIONS PANEL ALARM NO. A-25
TO ANNUNCIATOR ALARM NO. AL-105-5
TO ANNUNCIATOR ALARM NO. AL-105-4
TO ANNUNCIATOR ALARM NO. AL-105-7
AT HEATED SHACK
TO SCRAM CIRCUITRY
TO HEATERS (WHEN ON)
TC-1
TC-2
TX-1003
TX-1004
TERMINATION OF 32 CONDUCTOR #16 TYPE PNR CABLES
TYPICAL FOR CABLES CA-1 THRU CA-32 AND CA-101 THRU CA-104
THERMOCOUPLE (WIRES (SEE NOTE #1))
INSTRUMENT & CONTROL WIRING DIAGRAM - BM2 - VAULT NO 1
INSTRUMENT & CONTROL WIRING DIAGRAM - BM2 - VAULT NO 2
INSTRUMENT & CONTROL WIRING DIAGRAM - BM2 - TRANSFER LOCK
INSTRUMENT & CONTROL WIRING DIAGRAM - PM2 - EXHAUST FLOW & RADIATION
INSTRUMENTATION & THERMOCOUPLE WIRING SCHEDULE
HALF SIZE PRINT
SNAP-2I FACILITY, SANTA SUSANA, CALIFORNIA
PHASE II
U.S. ATOMIC ENERGY COMMISSION
CHICAGO OPERATIONS OFFICE
ENVIRONMENTAL TEST BUILDING
INSTRUMENTATION WIRE SCHEDULES & WIRING DIAGRAMS
ELECTRICAL
THE ATLANTIC REFINING COMPANY
SUPERSEDES E-1-59
AS BUILT
FOR CLIENT APPROVAL