| REVISIONS | | |
|---|---|---|
| REV. | ZONE | DESCRIPTION |
| 2 | | REVISED PER ADMINISTRATIVE CHANGE REDRAWN IN CADAM |

| INSTRUMENT IDENTIFICATION LETTERS | | | |
|---|---|---|---|
| | FIRST LETTER | SECOND LETTER | ADDITIONAL LETTERS |
| LETTER | PROCESS VARIABLE OR ACTIVATION | TYPE OR FUNCTION | ADDITIONAL FUNCTION |
| A | | ALARM | ALARM |
| C | CONCENTRATION | CONTROL | CONTROL |
| D | DIFFERENTIAL | | |
| E | ELECTRICITY | ELEMENT (PRIMARY) | |
| F | FLOW | FIRE | |
| G | | GLASS | |
| H | HUMIDIDTY | HAND ACTUATED | HIGH |
| I | | INDICATING | INDICATING |
| K | POSITION | | |
| L | LEVEL | LEVEL | LOW |
| M | MOTION | METER (INTEGRATING) | METER (INTEGRATING) |
| P | PRESSURE | PRESSURE | |
| R | RADIATION | RECORDER | RECORDER |
| S | SPEED | SWITCH | SWITCH |
| T | TEMPERATURE | TRANSMITTER | TRANSMITTER |
| V | VIBRATION | | VALVE |
| W | WEIGHT | | |
| X | SMOKE | TEST | |
| Z | TIME | | |

INSTRUMENT SYMBOLS

- LOCALLY MOUNTED INSTRUMENT
- CONTROL BOARD MOUNTED INSTRUMENT
- ANALOG COMPUTER INPUT
- CONTROL BOARD MOUNTED INSTRUMENT WITH TWO VARIABLES
- E / P — ELECTRIC PNEUMATIC

FLOW DEVICES

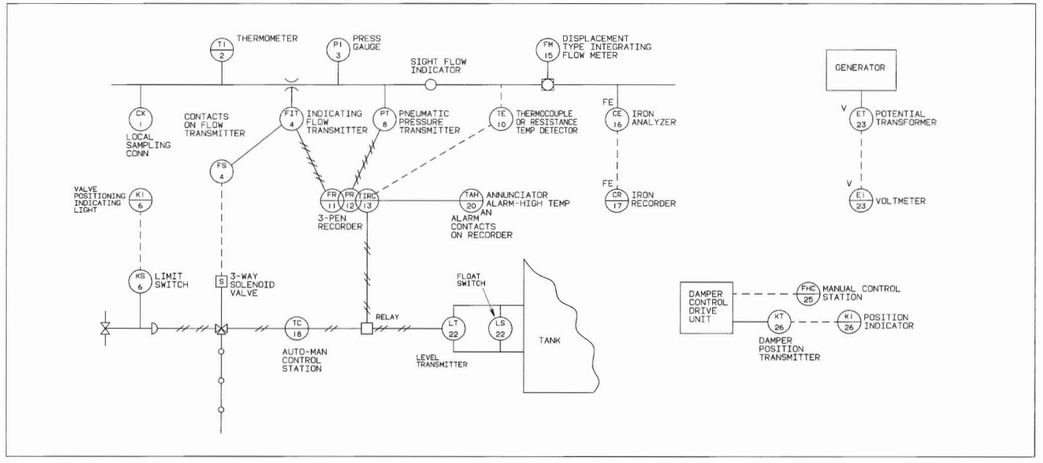
NOZZEL, ORIFICE, IN LINE ROTATING, IN LINE DISPLACEMENT, FLAP TYPE SIGHT GLASS

LINE SYMBOLS

- PRIMARY PIPING & DUCTWORK
- SIGNAL OR CONTROL AIR
- INSTRUMENT AIR SUPPLY
- ELECTRICAL LEADS
- CAPILLARY TUBING

DIGITAL ALARMS

LAH 18 — DL- TO DATA LOGGER (COMPUTER); AN- TO STATION ANNUNCIATOR




NOTES

| SAMPLING | | | |
|---|---|---|---|
| SAMPLING DEVICES OR INSTRUMENTS SHALL BE IDENTIFIED BY THE LETTER "C" (CONCENTRATION) WITHIN THE CIRCLE AND BY THEIR RESPECTIVE CHEMICAL SYMBOLS OUTSIDE THE CIRCLE. CHEMICAL SYMBOLS MAY BE ELIMINATED FOR TEST CONNECTIONS ASSOCIATED WITH VARIOUS SAMPLES. | | | |
| SYMBOL | SAMPLE | SYMBOL | SAMPLE |
| $O_2$ | OXYGEN | C | CONDUCTIVITY |
| CO | CARBON MONOXIDE | pH | |
| $CO_2$ | CARBON DIOXIDE | Na | SODIUM |
| $H_2$ | HYDROGEN | $NH_3$ | AMMONIA |
| Cu | COPPER | $N_2H_4$ | HYDRAZINE |
| Fe | IRON | COMB. | COMBUSTIBLES |
| Si | SILICA | T | TURBIDITY OR COLOR |

| ELECTRICITY | | | |
|---|---|---|---|
| DEVICES OR INSTRUMENTS ASSOCIATED WITH MEASUREMENT OF ELECTRICAL VARIABLES SHALL BE IDENTIFIED BY APPROPRIATE LETTER OUTSIDE THE CIRCLE. (SEE EXAMPLES). | | | |
| LETTER | VARIABLE | LETTER | VARIABLE |
| A | CURRENT | | |
| V | VOLTAGE | | |
| W | POWER | Ω | OHMS |
| WH | WATT HOUR | PH | PHASE |
| VAR | V-A REACTIVE | S | SYNCHRONISM |
| F | FREQUENCY | | |
| PF | POWER FACTOR | | |

CAD FILE: VIE,600,21,1000,001-,0201
THIS IS A COMPUTER GENERATED DWG. DO NOT REVISE IT MANUALLY

| | | | |
|---|---|---|---|
| AYRES | 01/08/92 DATE | GPU Nuclear / GAI | |
| DRAWN | DATE | SYMBOLS | |
| CHECKED | 4-28-92 DATE | INSTRUMENTION | |
| DESIGN LEADER | DATE | FLOW DIAGRAM | |
| ENGINEER | DATE | TMI UNIT 1 | DWG. NO. 302-002 SH. REV. 2 |
| MANAGER APPROVAL | DATE | | SCALE: NONE |
| ENG.MECH. | | | BA TASK |

| NO. | DWG. NO. | TITLE |
|---|---|---|
| | | REFERENCES |

DWG NO. 302-002 SH.

GROUP=HMS SUBGROUP=HVAC SCALE= 0.0000 DRWG=V1(600)100000-0201
USER= DAVIS
LOGIN DATE= FRI-05-05 ACCESS=NONE
PLOT: 1