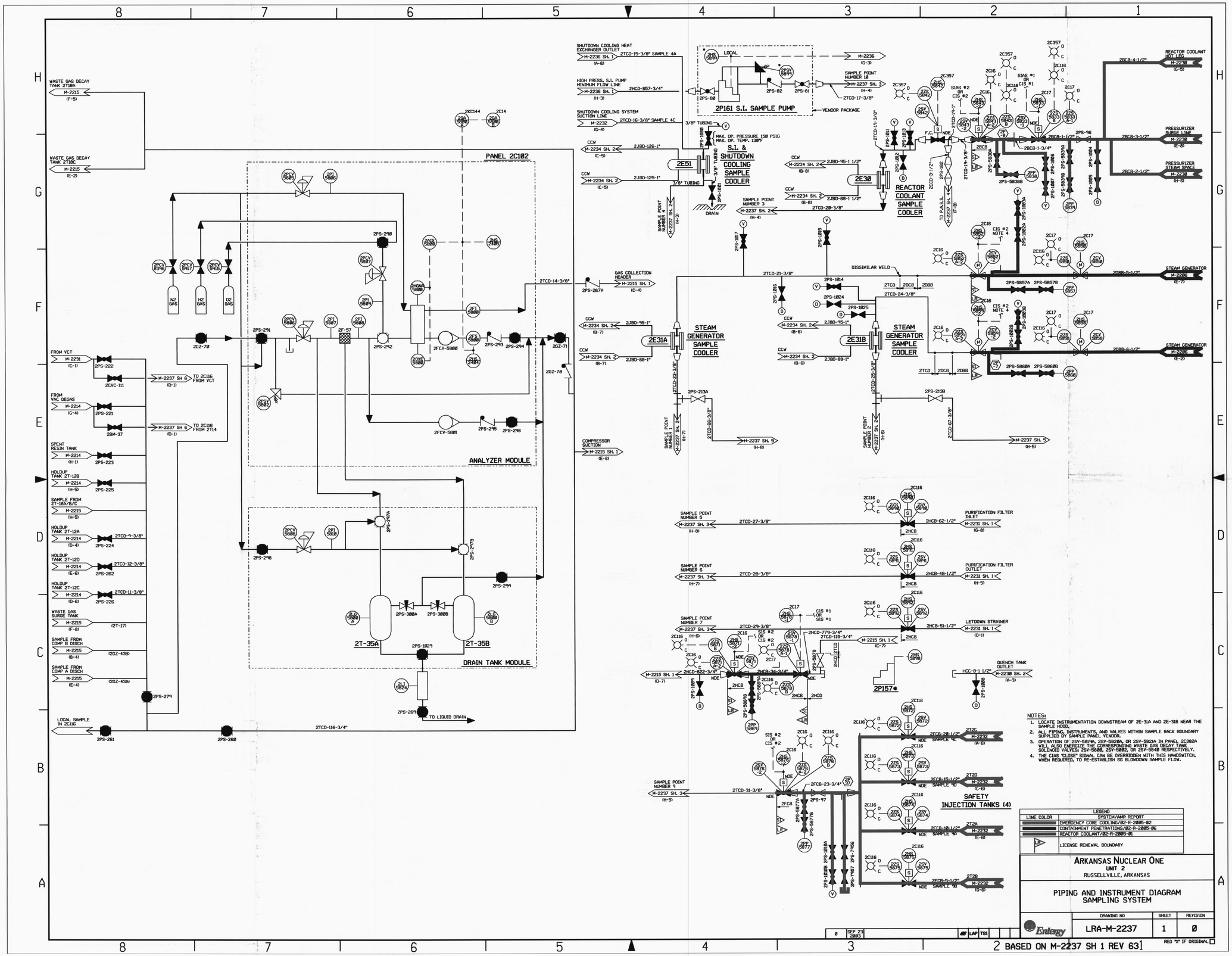
PANEL 2C102
ANALYZER MODULE
DRAIN TANK MODULE
2T-35A
2T-35B
2P161 S.I. SAMPLE PUMP
LOCAL
VENDOR PACKAGE
2E51
S.I. & SHUTDOWN COOLING SAMPLE COOLER
2E30
REACTOR COOLANT SAMPLE COOLER
2E31A
STEAM GENERATOR SAMPLE COOLER
2E31B
STEAM GENERATOR SAMPLE COOLER
SAFETY INJECTION TANKS (4)
2P157*
WASTE GAS DECAY TANK 2T18A
WASTE GAS DECAY TANK 2T18C
N2 GAS
H2 GAS
O2 GAS
FROM VCT
FROM VAC DEGAS
SPENT RESIN TANK
HOLDUP TANK 2T-12B
SAMPLE FROM 2T-18A/B/C
HOLDUP TANK 2T-12A
HOLDUP TANK 2T-12D
HOLDUP TANK 2T-12C
WASTE GAS SURGE TANK
SAMPLE FROM COMP B DISCH
SAMPLE FROM COMP A DISCH
LOCAL SAMPLE IN 2C116
TO LIQUID DRAIN
SHUTDOWN COOLING HEAT EXCHANGER OUTLET
HIGH PRESS. S.I. PUMP MINIMUM FLOW LINE
SHUTDOWN COOLING SYSTEM SUCTION LINE
COMPRESSOR SUCTION
GAS COLLECTION HEADER
SAMPLE POINT NUMBER 3
SAMPLE POINT NUMBER 4
SAMPLE POINT NUMBER 1
SAMPLE POINT NUMBER 2
SAMPLE POINT NUMBER 10
SAMPLE POINT NUMBER 5
SAMPLE POINT NUMBER 6
SAMPLE POINT NUMBER 7
SAMPLE POINT NUMBER 9
REACTOR COOLANT HOT LEG
PRESSURIZER SURGE LINE
PRESSURIZER STEAM SPACE
STEAM GENERATOR
PURIFICATION FILTER INLET
PURIFICATION FILTER OUTLET
LETDOWN STRAINER
QUENCH TANK OUTLET
DISSIMILAR WELD
SIAS #1 OR CIS #1
SIAS #2 OR CIS #2
CIS #2 NOTE 4
TO P.A.S.S.
MAX. OP. PRESSURE 150 PSIG
MAX. OP. TEMP. 138°F
NOTES:
1. LOCATE INSTRUMENTATION DOWNSTREAM OF 2E-31A AND 2E-31B NEAR THE SAMPLE HOOD.
2. ALL PIPING, INSTRUMENTS, AND VALVES WITHIN SAMPLE RACK BOUNDARY SUPPLIED BY SAMPLE PANEL VENDOR.
3. OPERATION OF 2SV-5810A, 2SV-5820A, OR 2SV-5821A IN PANEL 2C302A WILL ALSO ENERGIZE THE CORRESPONDING WASTE GAS DECAY TANK SOLENOID VALVES: 2SV-5806, 2SV-5802, OR 2SV-5848 RESPECTIVELY.
4. THE CIAS "CLOSE" SIGNAL CAN BE OVERRIDDEN WITH THIS HANDSWITCH, WHEN REQUIRED, TO RE-ESTABLISH SG BLOWDOWN SAMPLE FLOW.
LEGEND
LINE COLOR
SYSTEM/ARR REPORT
EMERGENCY CORE COOLING/82-R-2005-02
CONTAINMENT PENETRATIONS/82-R-2005-06
REACTOR COOLANT/82-R-2005-01
LICENSE RENEWAL BOUNDARY
ARKANSAS NUCLEAR ONE
UNIT 2
RUSSELLVILLE, ARKANSAS
PIPING AND INSTRUMENT DIAGRAM
SAMPLING SYSTEM
DRAWING NO
LRA-M-2237
SHEET
1
REVISION
Ø
Entergy
SEP 23 2003
BASED ON M-2237 SH 1 REV 63
RED "A" IF ORIGINAL

D-45