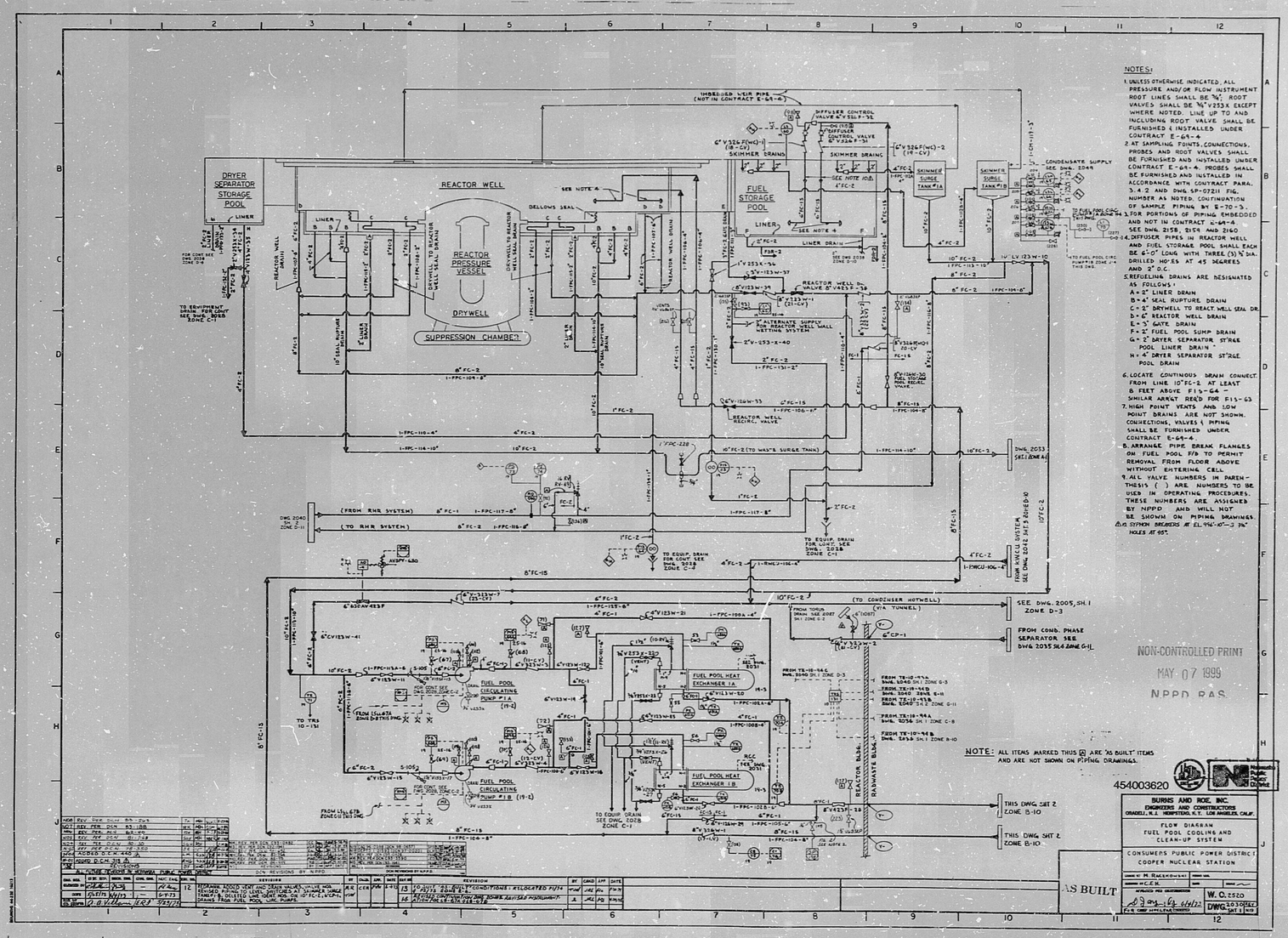
DRYER SEPARATOR STORAGE POOL
REACTOR WELL
REACTOR PRESSURE VESSEL
DRYWELL
SUPPRESSION CHAMBER
FUEL STORAGE POOL
FUEL POOL HEAT EXCHANGER 1A
FUEL POOL HEAT EXCHANGER 1B
FUEL POOL CIRCULATING PUMP 1A
FUEL POOL CIRCULATING PUMP 1B
SKIMMER SURGE TANK #1A
SKIMMER SURGE TANK #1B
REACTOR BLDG.
AUXILIARY BLDG.
NOTES:
1. UNLESS OTHERWISE INDICATED, ALL PRESSURE AND/OR FLOW INSTRUMENT ROOT LINES SHALL BE ¾" ROOT VALVES SHALL BE ¾" V253X EXCEPT WHERE NOTED. LINE UP TO AND INCLUDING ROOT VALVE SHALL BE FURNISHED & INSTALLED UNDER CONTRACT E-64-4
2. AT SAMPLING POINTS, CONNECTIONS, PROBES AND ROOT VALVES SHALL BE FURNISHED AND INSTALLED UNDER CONTRACT E-64-4. PROBES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH CONTRACT PARA. 3.4.2 AND DWG. SP-07211 FIG. NUMBER AS NOTED. CONTINUATION OF SAMPLE PIPING BY E-70-3.
3. FOR PORTIONS OF PIPING EMBEDDED AND NOT IN CONTRACT E-64-4. SEE DWG. 2158, 2154 AND 2160
4. DIFFUSER PIPES IN REACTOR WELL AND FUEL STORAGE POOL SHALL EACH BE 6'-0" LONG WITH THREE (3) ¾" DIA. DRILLED HOLES AT 45 DEGREES AND 2' O.C.
5. REFUELING DRAINS ARE DESIGNATED AS FOLLOWS:
A = 2" LINER DRAIN
B = 4" SEAL RUPTURE DRAIN
C = 2" DRYWELL TO REACT. WELL SEAL DR.
D = 4" REACTOR WELL DRAIN
E = 3" GATE DRAIN
F = 2" FUEL POOL SUMP DRAIN
G = 2" DRYER SEPARATOR STORE POOL LINER DRAIN
H = 4" DRYER SEPARATOR STORE POOL DRAIN
6. LOCATE CONTINUOUS DRAIN CONNECT. FROM LINE 10"FC-2 AT LEAST 8 FEET ABOVE F15-G4 — SIMILAR ARRGT REQ'D FOR F15-G3
7. HIGH POINT VENTS AND LOW POINT DRAINS ARE NOT SHOWN. CONNECTIONS, VALVES & PIPING SHALL BE FURNISHED UNDER CONTRACT E-64-4
8. ARRANGE PIPE BREAK FLANGES ON FUEL POOL F/B TO PERMIT REMOVAL FROM FLOOR ABOVE WITHOUT ENTERING CELL
9. ALL VALVE NUMBERS IN PARENTHESIS ( ) ARE NUMBERS TO BE USED IN OPERATING PROCEDURES. THESE NUMBERS ARE ASSIGNED BY NPPD AND WILL NOT BE SHOWN ON PIPING DRAWINGS.
10. SYPHON BREAKERS AT EL. 944'-10"-3 ¾" HOLES AT 45°.
NOTE: ALL ITEMS MARKED THUS ⊠ ARE "AS BUILT" ITEMS AND ARE NOT SHOWN ON PIPING DRAWINGS.
454003620
BURNS AND ROE, INC.
ENGINEERS AND CONSTRUCTORS
ORADELL, N.J. HEMPSTEAD, N.Y. LOS ANGELES, CALIF.
FLOW DIAGRAM
FUEL POOL COOLING AND CLEAN-UP SYSTEM
CONSUMERS PUBLIC POWER DISTRICT
COOPER NUCLEAR STATION
W.O. 2520
DWG. 2030 SHEET 1 REV 16
AS BUILT
NON-CONTROLLED PRINT
MAY 07 1999
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MAY 20, 1998 NPPD

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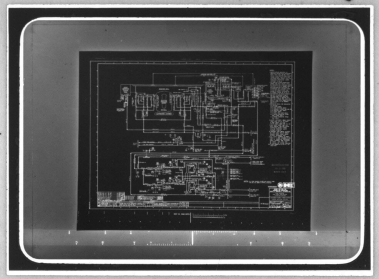

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