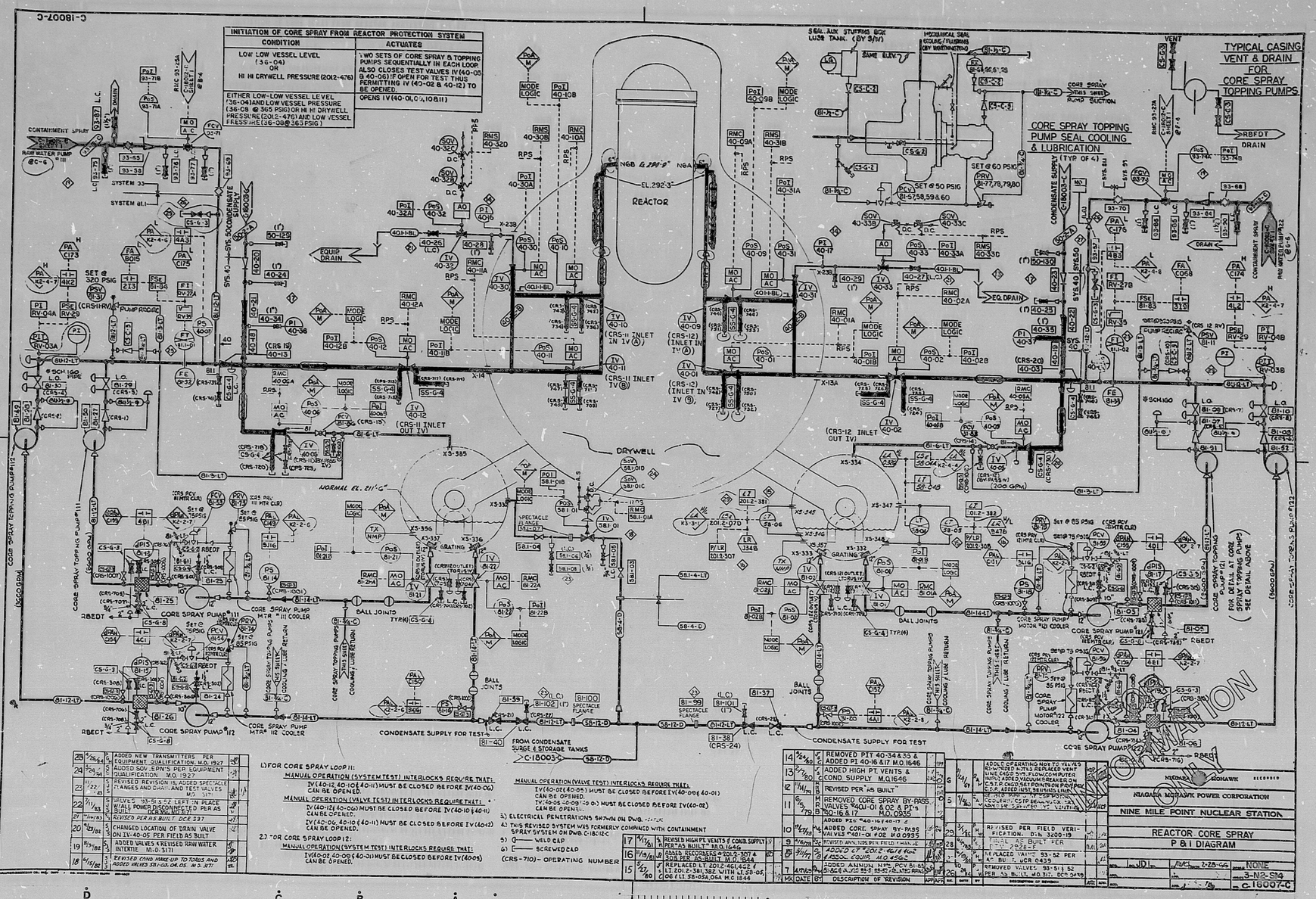
C-18007-C
INITIATION OF CORE SPRAY FROM REACTOR PROTECTION SYSTEM
CONDITION
ACTUATES
LOW LOW VESSEL LEVEL (36-04) OR HI HI DRYWELL PRESSURE (20L2-476)
TWO SETS OF CORE SPRAY & TOPPING PUMPS SEQUENTIALLY IN EACH LOOP. ALSO CLOSES TEST VALVES IV(40-05 & 40-06) IF OPEN FOR TEST THUS PERMITTING IV (40-02 & 40-12) TO BE OPENED.
EITHER LOW-LOW VESSEL LEVEL (36-04) AND LOW VESSEL PRESSURE (36-08 @ 365 PSIG) OR HI HI DRYWELL PRESSURE (20L2-476) AND LOW VESSEL PRESSURE (36-08 @ 365 PSIG)
OPENS IV (40-01, 0, 10 & 11)
TYPICAL CASING VENT & DRAIN FOR CORE SPRAY TOPPING PUMPS
CORE SPRAY TOPPING PUMP SEAL COOLING & LUBRICATION
REACTOR
DRYWELL
EQUIP DRAIN
EQ. DRAIN
CONTAINMENT SPRAY
RAW WATER PUMP
CONDENSATE SUPPLY FOR TEST
FROM CONDENSATE SURGE & STORAGE TANKS
CORE SPRAY PUMP #111
CORE SPRAY PUMP #112
CORE SPRAY PUMP #121
CORE SPRAY PUMP #122
CORE SPRAY TOPPING PUMP #111
CORE SPRAY TOPPING PUMP #122
NORMAL EL. 211'-6"
EL. 292'-3"
1) FOR CORE SPRAY LOOP 11:
MANUAL OPERATION (SYSTEM TEST) INTERLOCKS REQUIRE THAT:
IV(40-12 (40-10 & (40-11) MUST BE CLOSED BEFORE IV(40-06) CAN BE OPENED.
MANUAL OPERATION (VALVE TEST) INTERLOCKS REQUIRE THAT:
IV(40-12 & (40-06) MUST BE CLOSED BEFORE IV(40-10 & (40-11) CAN BE OPENED.
IV(40-06, 40-10 & (40-11) MUST BE CLOSED BEFORE IV(40-12) CAN BE OPENED.
2) FOR CORE SPRAY LOOP 12:
MANUAL OPERATION (SYSTEM TEST) INTERLOCKS REQUIRE THAT:
IV(40-07, 40-08 & (40-01) MUST BE CLOSED BEFORE IV(40-05) CAN BE OPENED.
MANUAL OPERATION (VALVE TEST) INTERLOCKS REQUIRE THAT:
IV(40-07 & (40-01) MUST BE CLOSED BEFORE IV(40-09 & (40-01) CAN BE OPENED.
IV(40-05, 40-09 & (40-01) MUST BE CLOSED BEFORE IV(40-02) CAN BE OPENED.
3) ELECTRICAL PENETRATIONS SHOWN ON DWG. C-18012-C
4) THIS REVISED SYSTEM WAS FORMERLY COMPLIED WITH CONTAINMENT SPRAY SYSTEM ON DWG. C-18012-C
5) O — WELD CAP
6) C — SCREWED CAP
(CRS-710) - OPERATING NUMBER
NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT NUCLEAR STATION
REACTOR CORE SPRAY
P & I DIAGRAM
C-18007-C
9-MILE Pt.
DTM 3200-19
TI APERTURE CARD

8610090427

PDR RIDS

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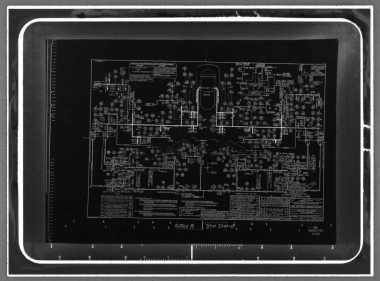

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