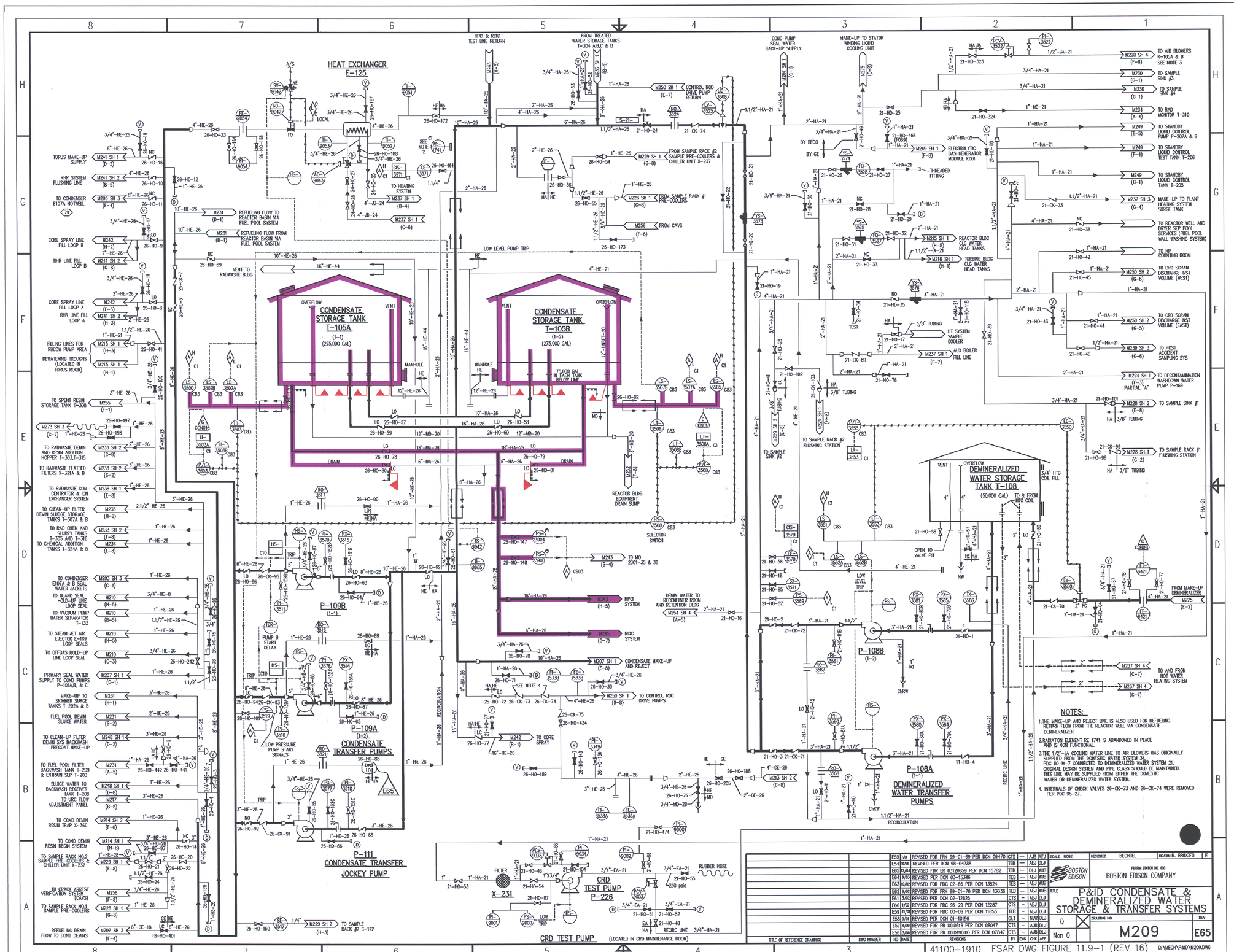
HEAT EXCHANGER E-125
CONDENSATE STORAGE TANK T-105A (1-1) (275,000 GAL)
CONDENSATE STORAGE TANK T-105B (1-2) (275,000 GAL)
75,000 GAL IN EACH TANK BELOW LINE
P-109B (1-1)
P-109A (1-2)
CONDENSATE TRANSFER PUMPS
P-111
CONDENSATE TRANSFER JOKEY PUMP
X-231
CRD TEST PUMP P-226
CRD TEST PUMP (LOCATED IN CRD MAINTENANCE ROOM)
P-108B (1-2)
P-108A (1-1)
DEMINERALIZED WATER TRANSFER PUMPS
DEMINERALIZED WATER STORAGE TANK T-108 (50,000 GAL)
REACTOR BLDG EQUIPMENT DRAIN SUMP
SELECTOR SWITCH
TORUS MAKE-UP SUPPLY
RHR SYSTEM FLUSHING LINE
TO CONDENSER E107A HOTWELL
CORE SPRAY LINE FILL LOOP B
RHR LINE FILL LOOP B
CORE SPRAY LINE FILL LOOP A
RHR LINE FILL LOOP A
FILLING LINES FOR RBCCW PUMP AREA
DEWATERING TROUGHS (LOCATED IN TORUS ROOM)
TO SPENT RESIN STORAGE TANK T-308
TO RADWASTE DEMIN AND RESIN ADDITION HOPPER T-303, T-315
TO RADWASTE FILATRED FILTERS X-321A & B
TO RADWASTE CON-CENTRATOR & ION EXCHANGER SYSTEM
TO CLEAN-UP FILTER DEMIN SLUDGE STORAGE TANKS T-307A & B
TO RAD CHEM AND SLURRY TANKS T-305 AND T-316
TO CHEMICAL ADDITION TANKS T-324A & B
TO CONDENSER E107A & B SEAL WATER JACKETS
TO GLAND SEAL HOLD-UP LINE LOOP SEAL
TO VACUUM PUMP WATER SEPARATOR T-132
TO STEAM JET AIR EJECTOR E-109 LOOP SEALS
TO OFFGAS HOLD-UP LINE LOOP SEAL
PRIMARY SEAL WATER SUPPLY TO COND PUMPS P-101A,B, & C
MAKE-UP TO SKIMMER SURGE TANKS T-202A & B
FUEL POOL DEMIN SLURCE WATER
TO CLEAN-UP FILTER DEMIN SYS BACKWASH PRECOAT MAKE-UP
TO FUEL POOL FILTER BACKWASH TANK T-209 & ENTRAIN SEP T-200
SLURCE WATER TO BACKWASH RECEIVER TANK T-208
TO HRC FLOW ADJUSTMENT PANEL
TO COND DEMIN RESIN TRAP X-360
TO COND DEMIN RESIN REGIN SYSTEM
TO SAMPLE RACK NO.2 SAMPLE PRE-COOLERS & CHILLER UNIT X-237
TO CRACK ARREST VERIFICATION SYSTEM (CAVS)
TO SAMPLE RACK NO.1 SAMPLE PRE-COOLERS
REFUELING DRAIN FLOW TO COND DEMINS
REFUELING FLOW TO REACTOR BASIN MA FUEL POOL SYSTEM
REFUELING FLOW FROM REACTOR BASIN MA FUEL POOL SYSTEM
VENT TO RADWASTE BLDG
TO HEATING SYSTEM
FROM TREATED WATER STORAGE TANKS T-304 A,B,C & D
HPCI & RCIC TEST LINE RETURN
CONTROL ROD DRIVE PUMP RETURN
FROM SAMPLE RACK #2 SAMPLE PRE-COOLERS & CHILLER UNIT X-237
FROM SAMPLE RACK #1 PRE-COOLERS
FROM CAVS
LOW LEVEL PUMP TRIP
TO MO 2301-35 & 36
HPCI SYSTEM
RCIC SYSTEM
DEMIN WATER TO RECOMBINER ROOM AND RETENTION BLDG
CONDENSATE MAKE-UP AND REJECT
TO CONTROL ROD DRIVE PUMPS
TO CORE SPRAY
TO SAMPLE RACK #2 C-122
RECIRC LINE
RUBBER HOSE
250 psig
COND PUMP SEAL WATER BACK-UP SUPPLY
MAKE-UP TO STATOR WINDING LIQUID COOLING UNIT
BY BECO
BY GE
ELECTROLYTIC GAS GENERATOR MODULE KD01
THREADED FITTING
REACTOR BLDG CLG WATER HEAD TANKS
TURBINE BLDG CLG WATER HEAD TANKS
HI SYSTEM SAMPLE COOLER
AUX BOILER FILL LINE
TO SAMPLE RACK #2 FLUSHING STATION
TO SAMPLE SINK #2
TO AIR BLOWERS K-105A & B SEE NOTE 3
TO SAMPLE SINK #3
TO SAMPLE SINK #4
TO RAD MONITOR T-310
TO STANDBY LIQUID CONTROL PUMP P-207A & B
TO STANDBY LIQUID CONTROL TEST TANK T-206
TO STANDBY LIQUID CONTROL TANK T-205
MAKE-UP TO PLANT HEATING SYSTEM SURGE TANK
TO REACTOR WELL AND DRYER SEP POOL SERVICES (FUEL POOL WALL WASHING SYSTEM)
TO HP COUNTING ROOM
TO CRD SCRAM DISCHARGE INST VOLUME (WEST)
TO CRD SCRAM DISCHARGE INST VOLUME (EAST)
TO POST ACCIDENT SAMPLING SYS
TO DECONTAMINATION WASHDOWN WATER PUMP P-169
TO SAMPLE SINK #1
TO SAMPLE RACK #1 FLUSHING STATION
FROM MAKE-UP DEMINERALIZER
TO AND FROM HOT WATER HEATING SYSTEM
OPEN TO VALVE PIT
LOW LEVEL TRIP
RECIRCULATION
NOTES:
1. THE MAKE-UP AND REJECT LINE IS ALSO USED FOR REFUELING RETURN FLOW FROM THE REACTOR WELL MA CONDENSATE DEMINERALIZER.
2. RADIATION ELEMENT RE 1741 IS ABANDONED IN PLACE AND IS NON FUNCTIONAL.
3. THE 1/2"-JA COOLING WATER LINE TO AIR BLOWERS WAS ORIGINALLY SUPPLIED FROM THE DOMESTIC WATER SYSTEM 34. PDC 80-M-7 CONNECTED TO DEMINERALIZED WATER SYSTEM 21. ORIGINAL DESIGN SYSTEM AND PIPE CLASS SHOULD BE MAINTAINED. THIS LINE MAY BE SUPPLIED FROM EITHER THE DOMESTIC WATER OR DEMINERALIZED WATER SYSTEM.
4. INTERNALS OF CHECK VALVES 26-CK-73 AND 26-CK-74 WERE REMOVED PER PDC 85-27.
SYSTEM INTENDED FUNCTION BOUNDARY
COMPONENTS SUBJECT TO AMR
CONDENSATE STORAGE SYSTEM AMRM-27
BOSTON EDISON
PILGRIM STATION NO. 400
BOSTON EDISON COMPANY
P&ID CONDENSATE & DEMINERALIZED WATER STORAGE & TRANSFER SYSTEMS
DRAWING NO. M209
REV E65
41100-1910 FSAR DWG FIGURE 11.9-1 (REV 16)
LRA-M-209-0
LRA-M-209_E65.DGN
M209-CALS_E65.CAL

8-05