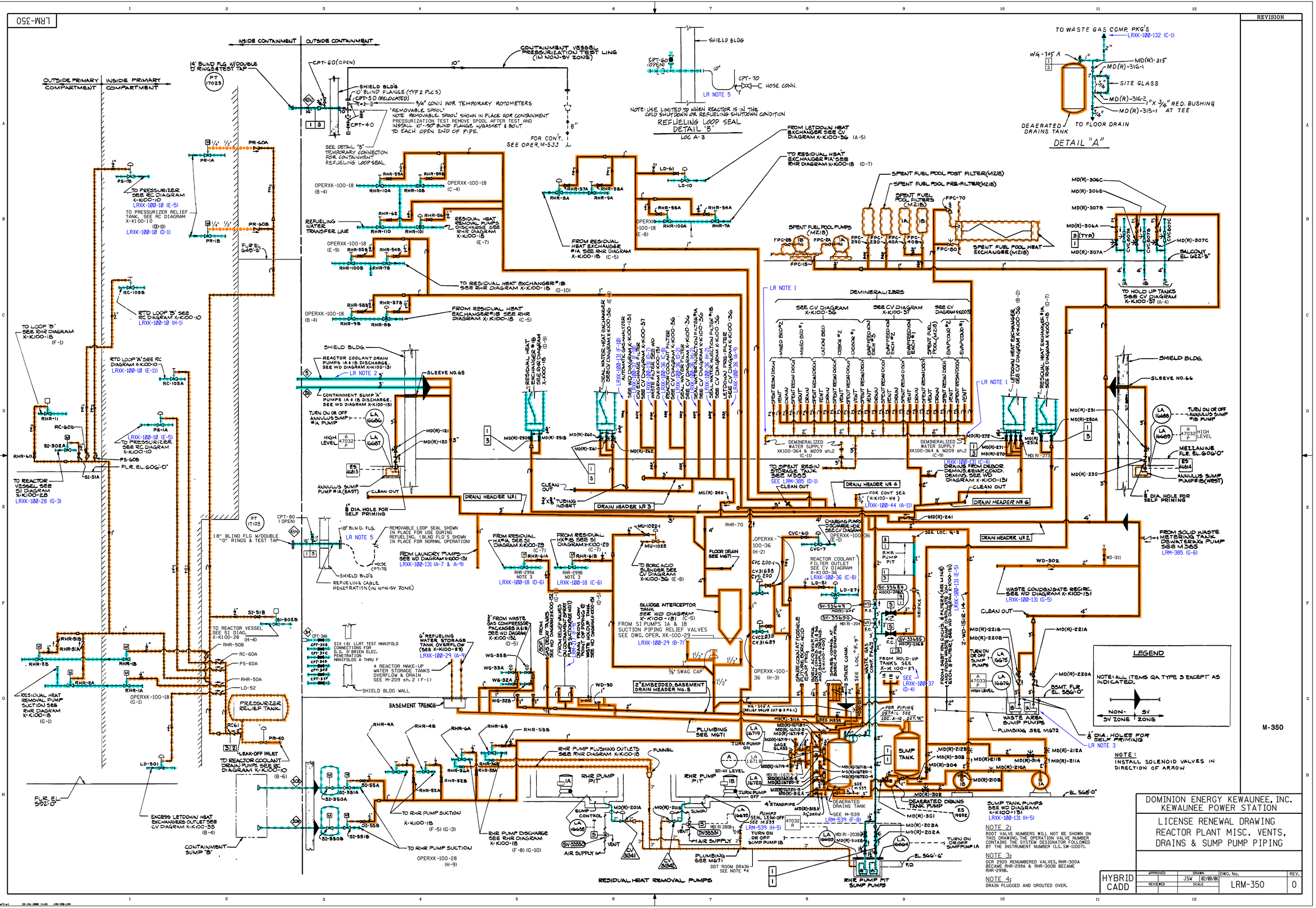
LRM-350
INSIDE CONTAINMENT
OUTSIDE CONTAINMENT
OUTSIDE PRIMARY COMPARTMENT
INSIDE PRIMARY COMPARTMENT
CONTAINMENT VESSEL PRESSURIZATION TEST LINE (ID NON-SV ZONE)
REFUELING LOOP SEAL DETAIL "B"
LOC A-3
NOTE: USE LIMITED TO WHEN REACTOR IS IN THE COLD SHUTDOWN OR REFUELING SHUTDOWN CONDITION
DETAIL "A"
TO WASTE GAS COMP. PKG'S
LRXK-100-132 (C-1)
SITE GLASS
DEAERATED DRAINS TANK
TO FLOOR DRAIN
REFUELING LOOP SEAL
SEE DETAIL "B" TEMPORARY CONNECTION FOR CONTAINMENT REFUELING LOOP SEAL.
'REMOVABLE SPOOL' NOTE REMOVABLE SPOOL SHOWN IN PLACE FOR CONTAINMENT PRESSURIZATION TEST REMOVE SPOOL AFTER TEST AND INSTALL 0"-150# BLIND FLANGE W/GASKET & BOLT TO EACH OPEN END OF PIPE.
FOR CONT. SEE OPER.M-533
TO PRESSURIZER SEE RC DIAGRAM X-K100-10
LRXK-100-10 (E-5)
TO PRESSURIZER RELIEF TANK. SEE RC DIAGRAM X-K100-10
LRXK-100-10 (D-1)
REFUELING WATER TRANSFER LINE
RESIDUAL HEAT REMOVAL PUMPS DISCHARGE SEE RHR DIAGRAM X-K100-1B
TO RESIDUAL HEAT EXCHANGER #1B SEE RHR DIAGRAM X-K100-1B (D-10)
FROM RESIDUAL HEAT EXCHANGER #1A SEE RHR DIAGRAM X-K100-1B (C-5)
FROM RESIDUAL HEAT EXCHANGER SEE CV DIAGRAM X-K100-2G (A-5)
TO RESIDUAL HEAT EXCHANGER #1A SEE RHR DIAGRAM X-K100-1B (D-7)
SPENT FUEL POOL POST FILTER(M21B)
SPENT FUEL POOL PRE-FILTER(M21B)
SPENT FUEL POOL FILTERS (M21B)
SPENT FUEL POOL PUMPS (M21B)
SPENT FUEL POOL HEAT EXCHANGER(M21B)
TO HOLD UP TANKS SEE CV DIAGRAM X-K100-57 (A-4)
BALCONY EL. 622'-3"
RTD LOOP "B" SEE RC DIAGRAM X-K100-10
LRXK-100-10 (H-1)
TO LOOP "B" SEE RHR DIAGRAM X-K100-1B (F-1)
RTD LOOP "A" SEE RC DIAGRAM X-K100-10
LRXK-100-10 (E-11)
TO REACTOR VESSEL SEE SI DIAGRAM X-K100-2B
LRXK-100-2B (G-3)
SHIELD BLDG.
REACTOR COOLANT DRAIN PUMPS 1A & 1B DISCHARGE. SEE WD DIAGRAM X-K100-131
CONTAINMENT SUMP "A" PUMPS 1A & 1B DISCHARGE. SEE WD DIAGRAM X-K100-131
TURN ON OR OFF ANNULUS SUMP #1A PUMP
TURN ON OR OFF ANNULUS SUMP #1B PUMP
SLEEVE NO.65
SLEEVE NO.66
ANNULUS SUMP PUMP #1A(EAST)
ANNULUS SUMP PUMP #1B(WEST)
MEZZANINE FLR. EL. 606'-0"
DRAIN HEADER NO 1
DRAIN HEADER NO 2
DRAIN HEADER NO 3
DRAIN HEADER NO 4
DRAIN HEADER NO 6
DEMINERALIZERS
DEMINERALIZED WATER SUPPLY
TO SPENT RESIN STORAGE TANK SEE M505
SEE LRM-385 (D-1)
FROM SOLID WASTE METERING TANK DEWATERING PUMP SEE M385
LRM-385 (G-6)
WASTE CONDENSATE RECIRC. SEE WD DIAGRAM X-K100-151
LRXK-100-131 (G-5)
REFUELING CABLE PENETRATION (IN NON-SV ZONE)
SHIELD BLDG WALL
BASEMENT TRENCH
PRESSURIZER RELIEF TANK
TO REACTOR VESSEL SEE SI DIAG. X-K100-28
RESIDUAL HEAT REMOVAL PUMP SUCTION SEE RHR DIAGRAM X-K100-1B
EXCESS LETDOWN HEAT EXCHANGERS OUTLET SEE CV DIAGRAM X-K100-35
CONTAINMENT SUMP "B"
TO RHR PUMP SUCTION X-K100-1B
TO RHR PUMP SUCTION
RHR PUMP DISCHARGE SEE RHR DIAGRAM X-K100-1B
RHR PUMP FLUSHING OUTLETS SEE RHR DIAGRAM X-K100-1B
RHR PUMP PIT
RHR PUMP PIT SUMP PUMPS
SUMP TANK
SUMP TANK PUMPS SEE WD DIAGRAM X-K100-151
LRXK-100-131 (H-5)
DEAERATED DRAINS TANK PUMP
RESIDUAL HEAT REMOVAL PUMPS
SLUDGE INTERCEPTOR TANK SEE WD DIAGRAM X-K100-131 (C-5)
FROM SI PUMPS 1A & 1B SUCTION PIPING RELIEF VALVES SEE DWG. OPER. XK-100-29
LRXK-100-29 (B-7)
2" EMBEDDED BASEMENT DRAIN HEADER NO. 5
PLUMBING SEE M671
PLUMBING SEE M672
DDT ROOM DRAIN SEE NOTE #4
LEAK-OFF INLET
TO REACTOR COOLANT DRAIN PUMPS SEE RC DIAGRAM X-K100-10
LEGEND
NOTE: ALL ITEMS QA TYPE 3 EXCEPT AS INDICATED.
NON-5V ZONE
5V ZONE
NOTE: INSTALL SOLENOID VALVES IN DIRECTION OF ARROW
M-350
LR NOTES:
1. DEMINERALIZER WATER SUPPLY IS USED FOR SPENT RESIN FLUSHING. FOR LR PURPOSES THESE LINES ARE INCLUDED IN SYSTEM 35/CVC CHEMICAL & VOLUME CONTROL.
2. QA-1 STOPS AT VALVES RC-508 (E-4) AND MD(R)-135 (G-4) ON LRXK-100-131.
3. THE SUMP IS COVERED, THEREFORE THE PUMPS DO NOT REPRESENT A SPATIAL CONCERN.
4. FOR LR PURPOSES, MANY COMPONENTS WITH A "MD(R)" SYSTEM DESIGNATOR IN THEIR EQUIPMENT NUMBER, HAVE BEEN ASSIGNED TO EITHER THE LIQUID WASTE OR GASEOUS WASTE PROCESSING AND DISCHARGE SYSTEMS. THIS WAS DONE IN ORDER TO MAINTAIN CONSISTENCY WITH THE USAR AND SYSTEM DESCRIPTIONS.
5. THE LOOP SEALS PROVIDE CONTAINMENT INTEGRITY DURING REFUELING. HOWEVER, AS INDICATED IN USAR SECTION 14.2.1.3, NO CREDIT IS TAKEN FOR ISOLATION OF CONTAINMENT FOR A FUEL HANDLING ACCIDENT WITHIN CONTAINMENT.
LICENSE RENEWAL DRAWING LEGEND
32A/WD-(L) LIQUID WASTE PROCESSING AND DISCHARGE
18/RBV REACTOR BUILDING VENTILATION
21/SFP SPENT FUEL POOL COOLING
27A/MUP MAKE-UP AND DEMINERALIZED WATER
30/MDS MISCELLANEOUS DRAINS AND SUMPS
32B/WD-(G) GASEOUS WASTE PROCESSING AND DISCHARGE
33/SI SAFETY INJECTION
34/RHR RESIDUAL HEAT REMOVAL
35/CVC CHEMICAL & VOLUME CONTROL
36/RC REACTOR COOLANT
IN SCOPE FOR LR PER 10CFR 54.4 (a) (2)
IN SCOPE FOR LR PER 10CFR 54.4 (a) (1) 10CFR 54.4 (a) (3)
DOMINION ENERGY KEWAUNEE, INC.
KEWAUNEE POWER STATION
LICENSE RENEWAL DRAWING
REACTOR PLANT MISC. VENTS, DRAINS & SUMP PUMP PIPING
NOTE 2: ROOT VALVE NUMBERS WILL NOT BE SHOWN ON THIS DRAWING. THE OPERATION VALVE NUMBER CONTAINS THE SYSTEM DESIGNATOR FOLLOWED BY THE INSTRUMENT NUMBER (I.E. SW-11007).
NOTE 3: DCR 2920 RENUMBERED VALVES, RHR-300A BECAME RHR-299A & RHR-300B BECAME RHR-299B.
NOTE 4: DRAIN PLUGGED AND GROUTED OVER.
HYBRID CADD
APPROVED
REVIEWED
DRAWN JSW 02/08/06
SCALE
DWG. No. LRM-350
REV. 0
REFERENCED PER MASTER DRAWING OPERM-350
REV AV
REV "AV" PER LAST UPDATE