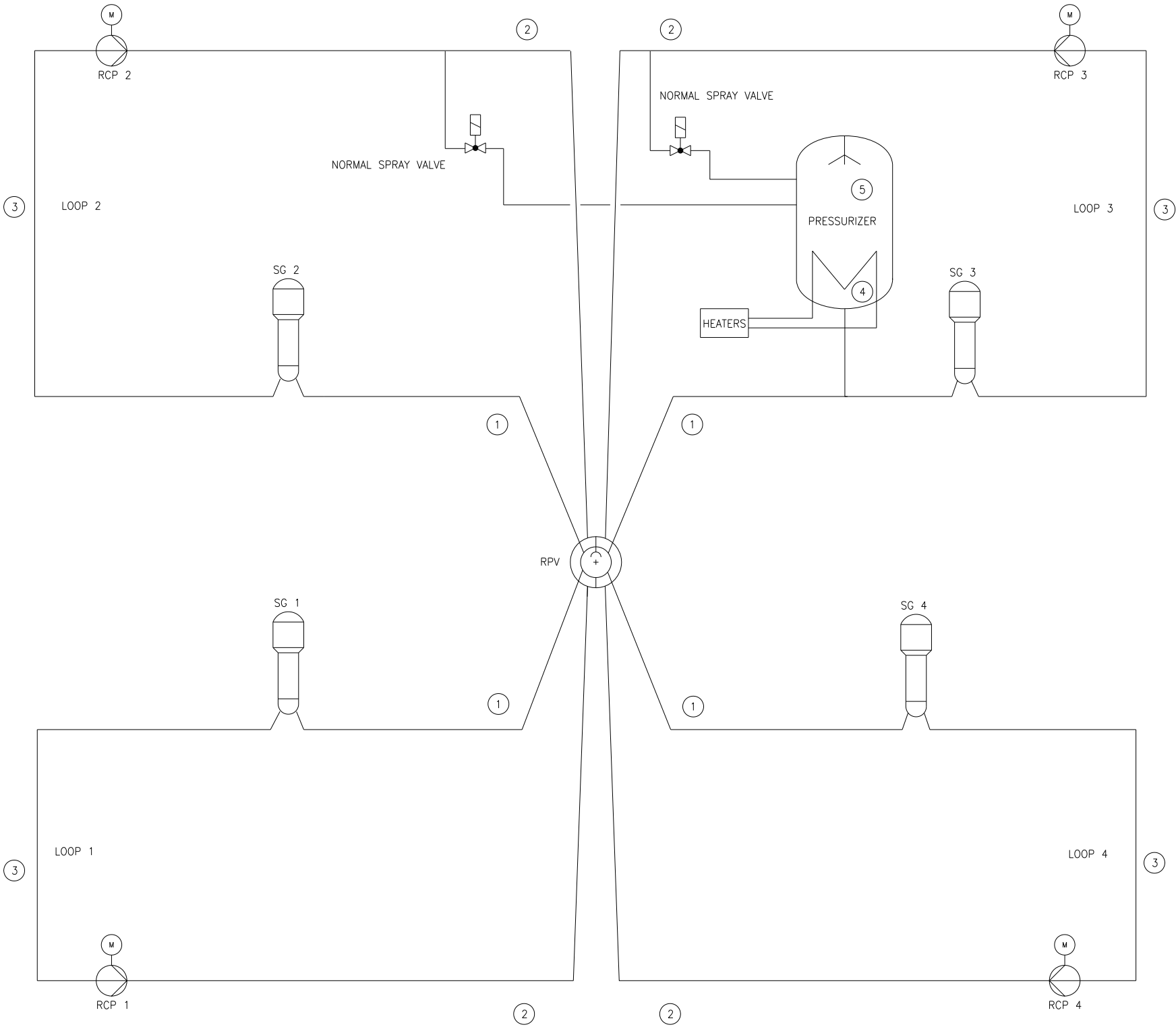


Figure 5.1-1—RCS Schematic Flow Diagram

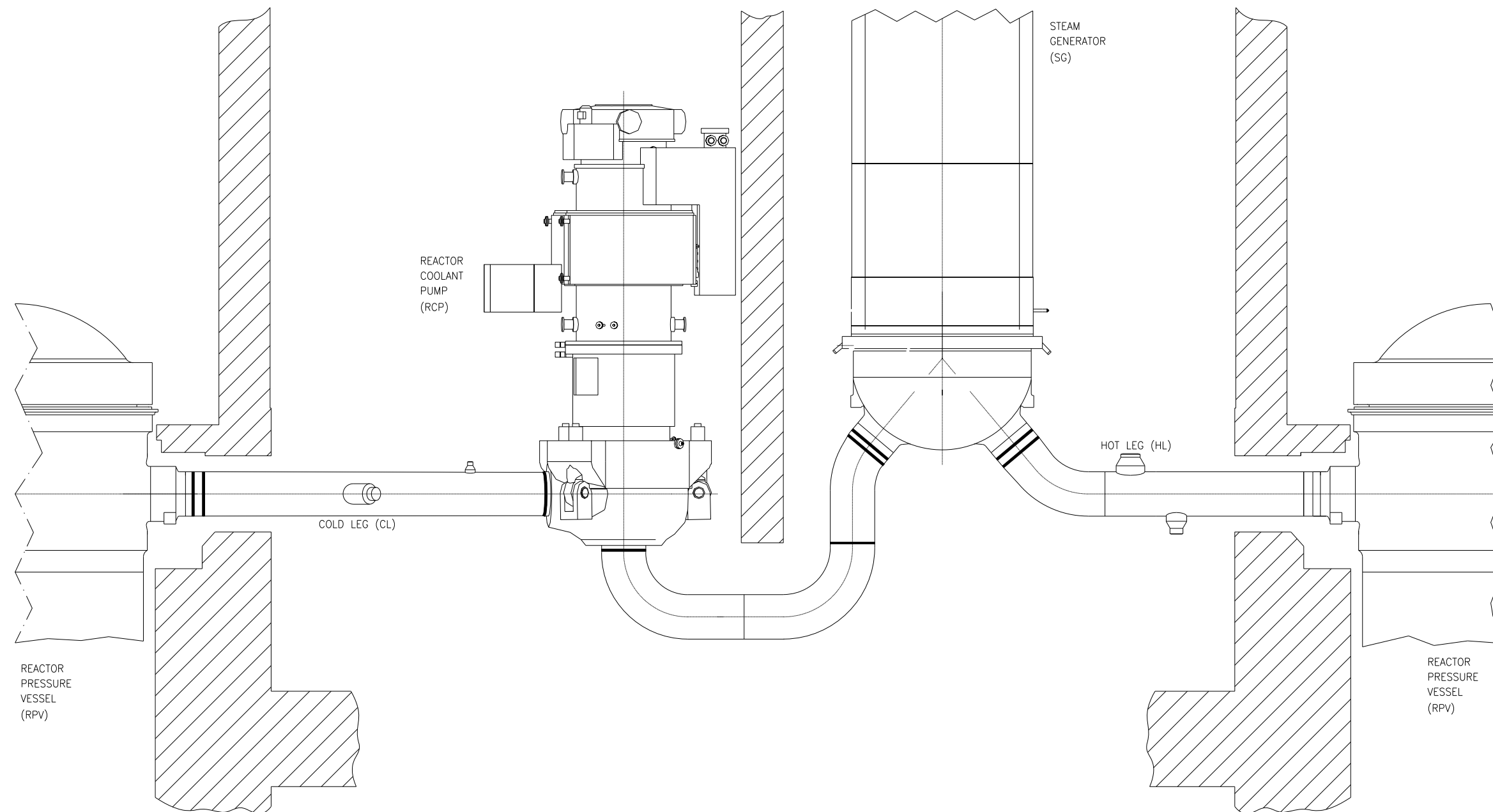


BEST ESTIMATE CONDITIONS OF RCS AT 100% POWER				
ITEM	DESCRIPTION	FLOW (gpm)	PRESSURE (psia)	TEMPERATURE (F)
1	HOT LEG	124,741	2265	624.6
2	COLD LEG	124,741	2324	563.4
3	CROSS-OVER LEG	124,741	2218	563.4
4	PZR LIQUID PHASE	-	2250	652.7
5	PZR STEAM PHASE	-	2250	652.7

JEX002 T2

Figure 5.1-2—RCS Layout

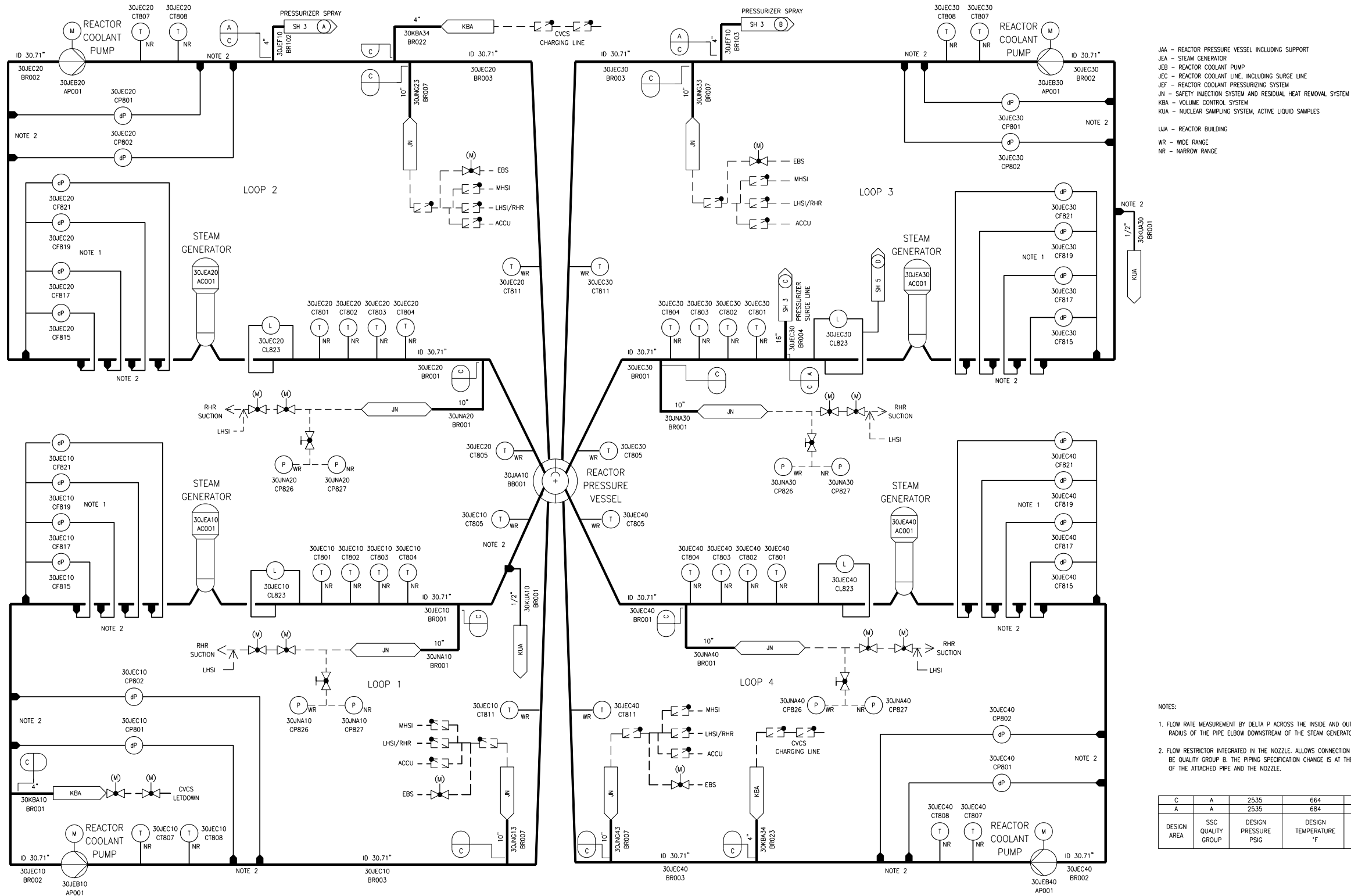
Figure 5.1-3—RCS Elevation



NOTES:
1. COMPONENTS, WALLS & PIPING ROTATED FOR CLARITY

JE05 T2

Figure 5.1-4—RCS Piping and Instrumentation Diagram
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JEX01T2

Figure 5.1-4—RCS Piping and Instrumentation Diagram
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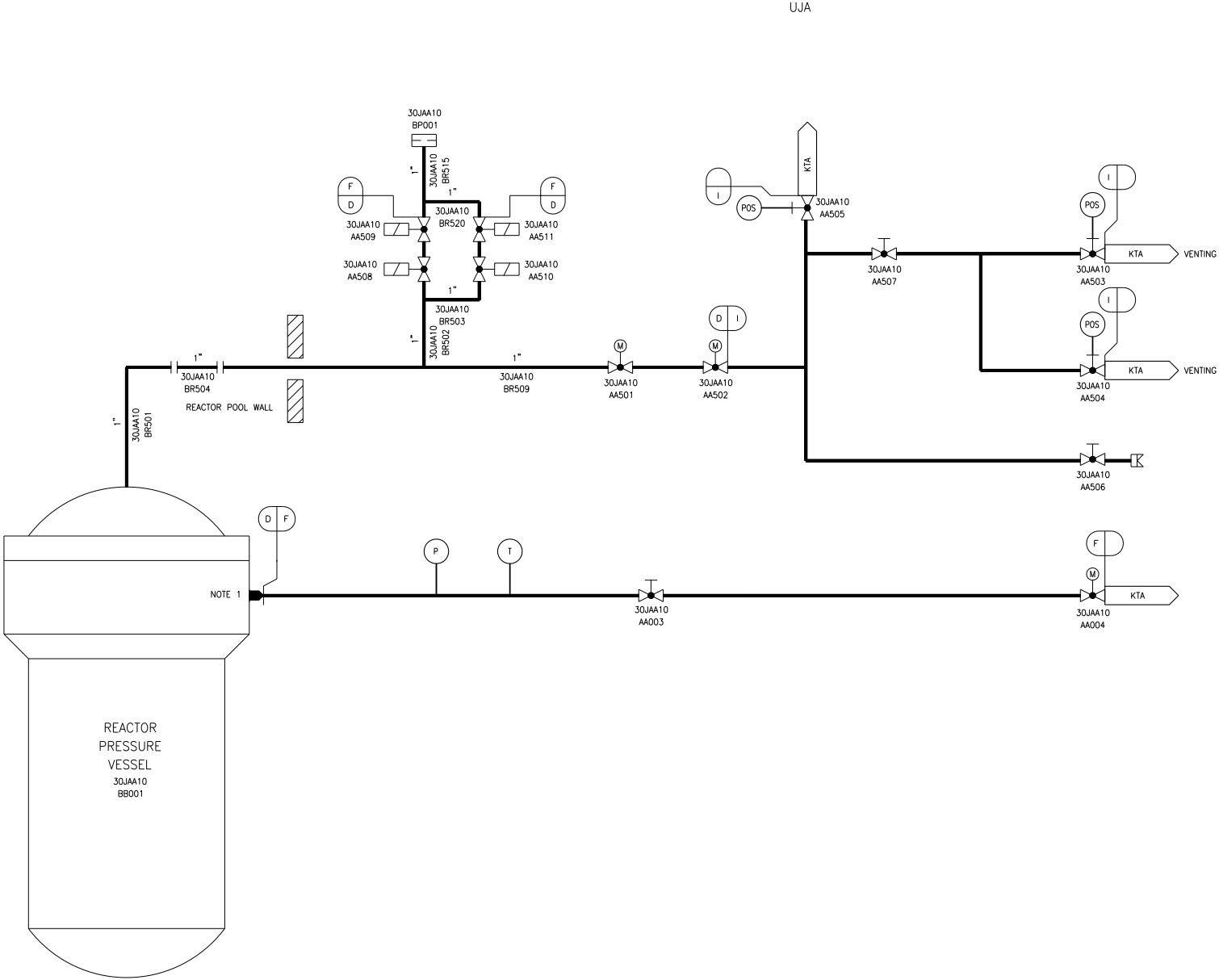
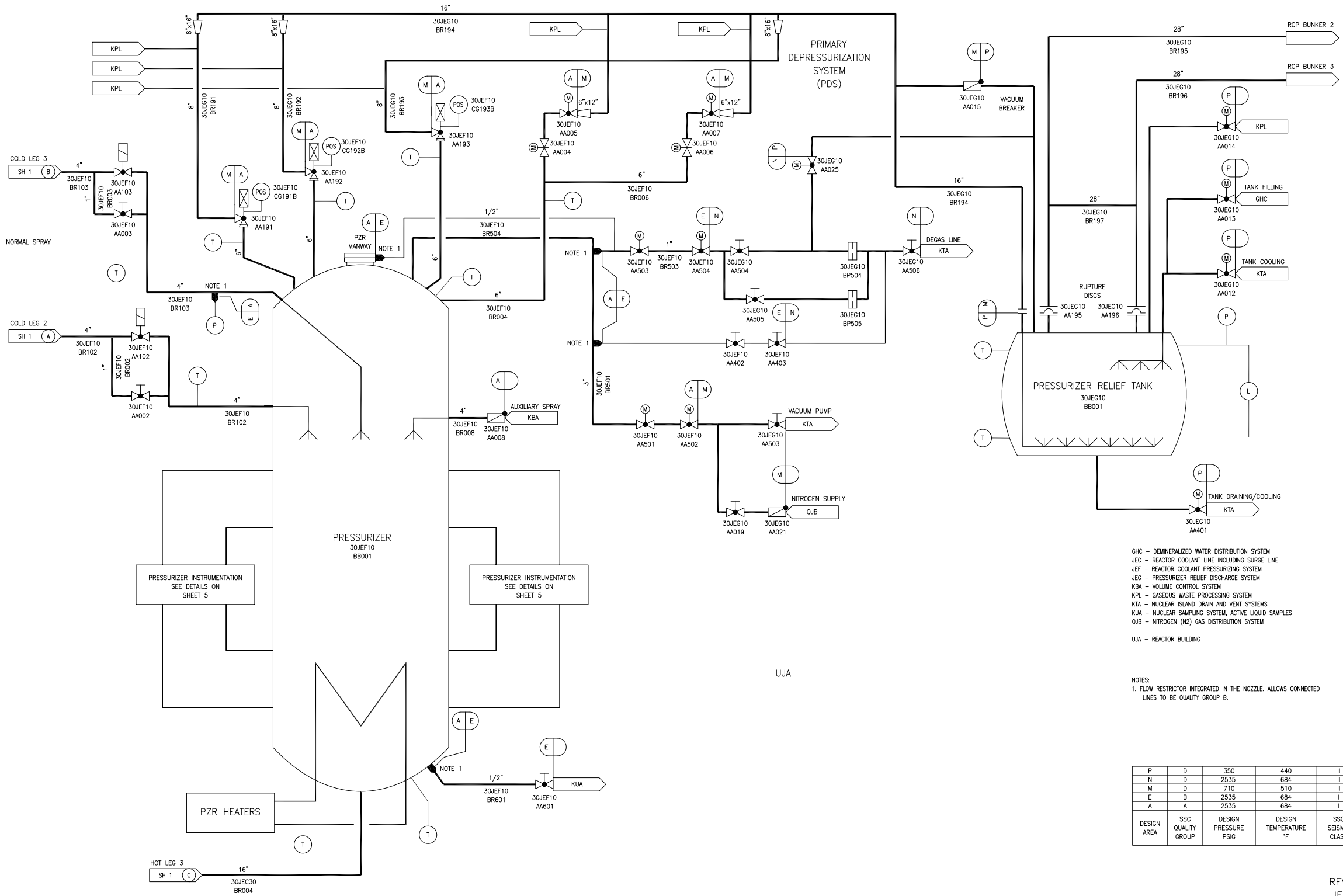
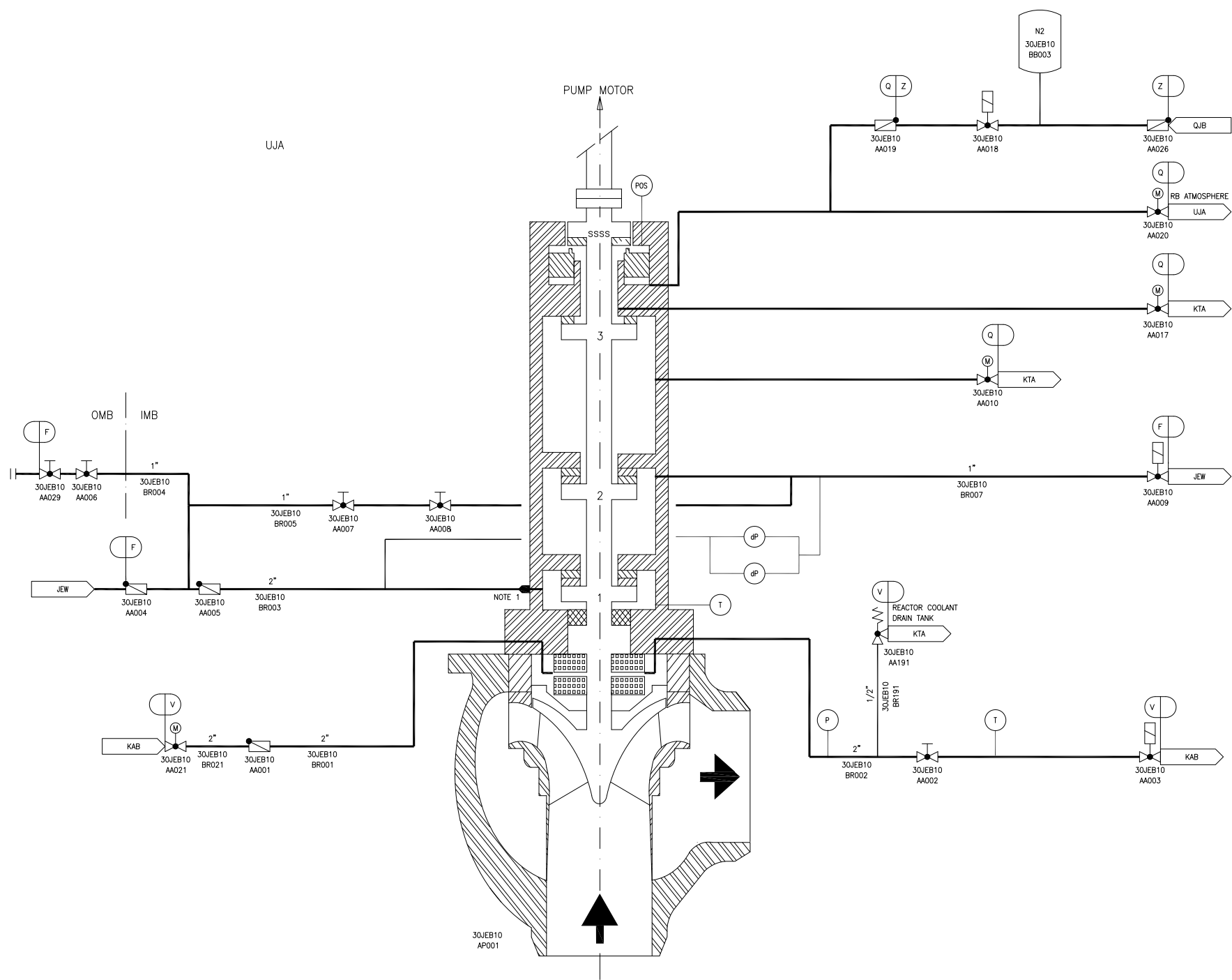


Figure 5.1-4—RCS Piping and Instrumentation Diagram
Sheet 3 of 7



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JEX03T2

Figure 5.1-4—RCS Piping and Instrumentation Diagram
Sheet 4 of 7



JEB – REACTOR COOLANT PUMP
JEW – REACTOR COOLANT PUMP SEAL INJECTION PORTION OF
CHEMICAL AND VOLUME CONTROL SYSTEM
KTA – NUCLEAR ISLAND DRAIN AND VENT SYSTEM – PRIMARY EFFLUENTS
KAB – COMPONENT COOLING WATER SYSTEM COMMON HEADER
QJB – NITROGEN (N2) GAS DISTRIBUTION SYSTEM
UJA – REACTOR BUILDING

SSSS – STAND STILL SEAL SYSTEM

NOTES:
1. FLOW RESTRICTOR INTEGRATED IN THE RCP. ALLOWS
CONNECTION LINES TO BE QUALITY GROUP B.

Q	D	2535	664	II
Z	D	175	140	II
F	B	3045	664	I
V	C	2535	664	I
DESIGN AREA	SSC QUALITY GROUP	DESIGN PRESSURE PSIG	DESIGN TEMPERATURE °F	SSC SEISMIC CLASS

REV 002
JEX04T2

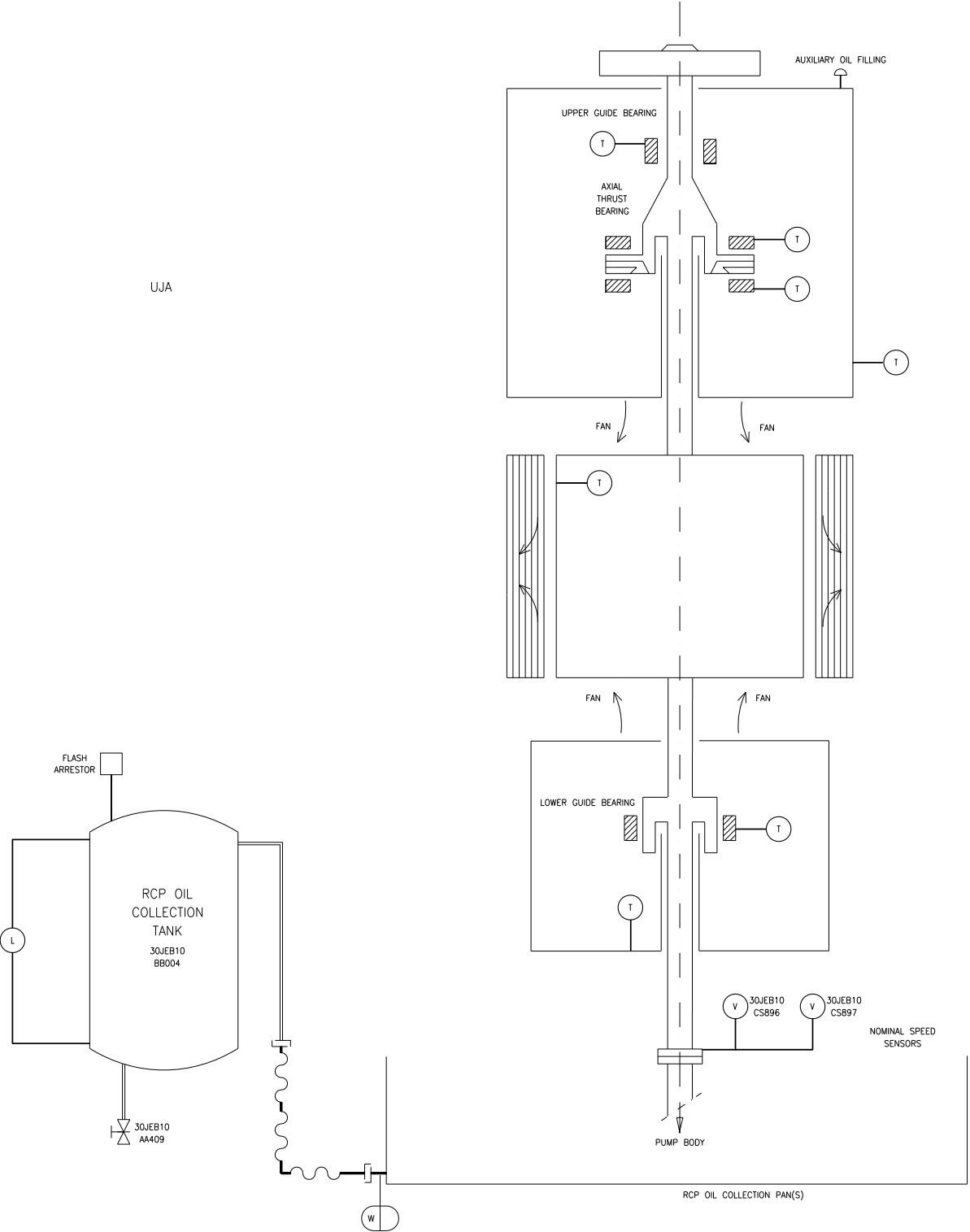
Figure 5.1-4—RCS Piping and Instrumentation Diagram
Sheet 5 of 7



Figure 5.1-4—RCS Piping and Instrumentation Diagram
Sheet 6 of 7



Figure 5.1-4—RCS Piping and Instrumentation Diagram
Sheet 7 of 7



JEB - REACTOR COOLANT PUMP
UJA - REACTOR BUILDING

W	D	15	185	II
DESIGN AREA	SSC QUALITY GROUP	DESIGN PRESSURE PSIG	DESIGN TEMPERATURE °F	SSC SEISMIC CLASS

JEX07T2