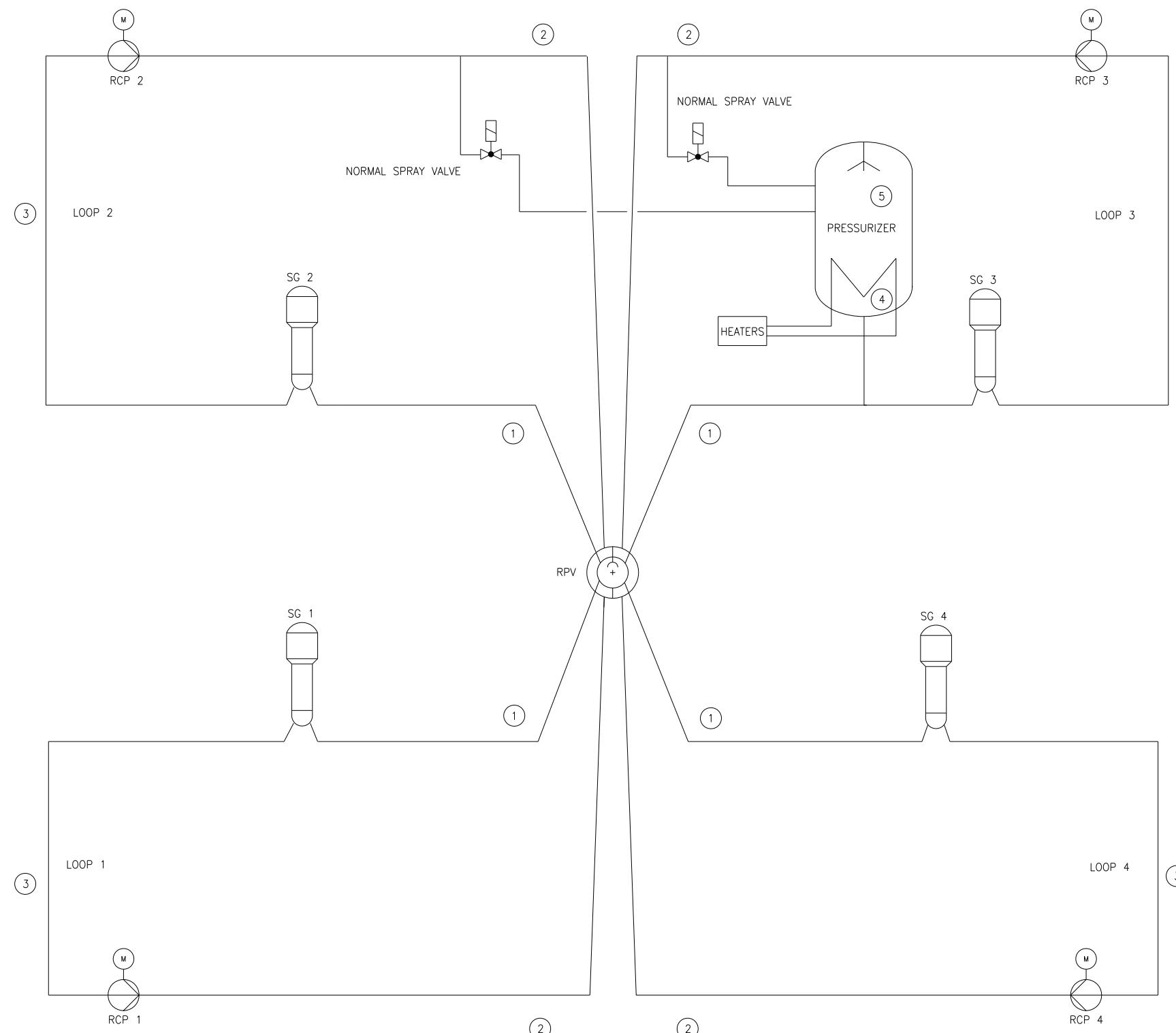


Figure 5.1-1—RCS Schematic Flow Diagram

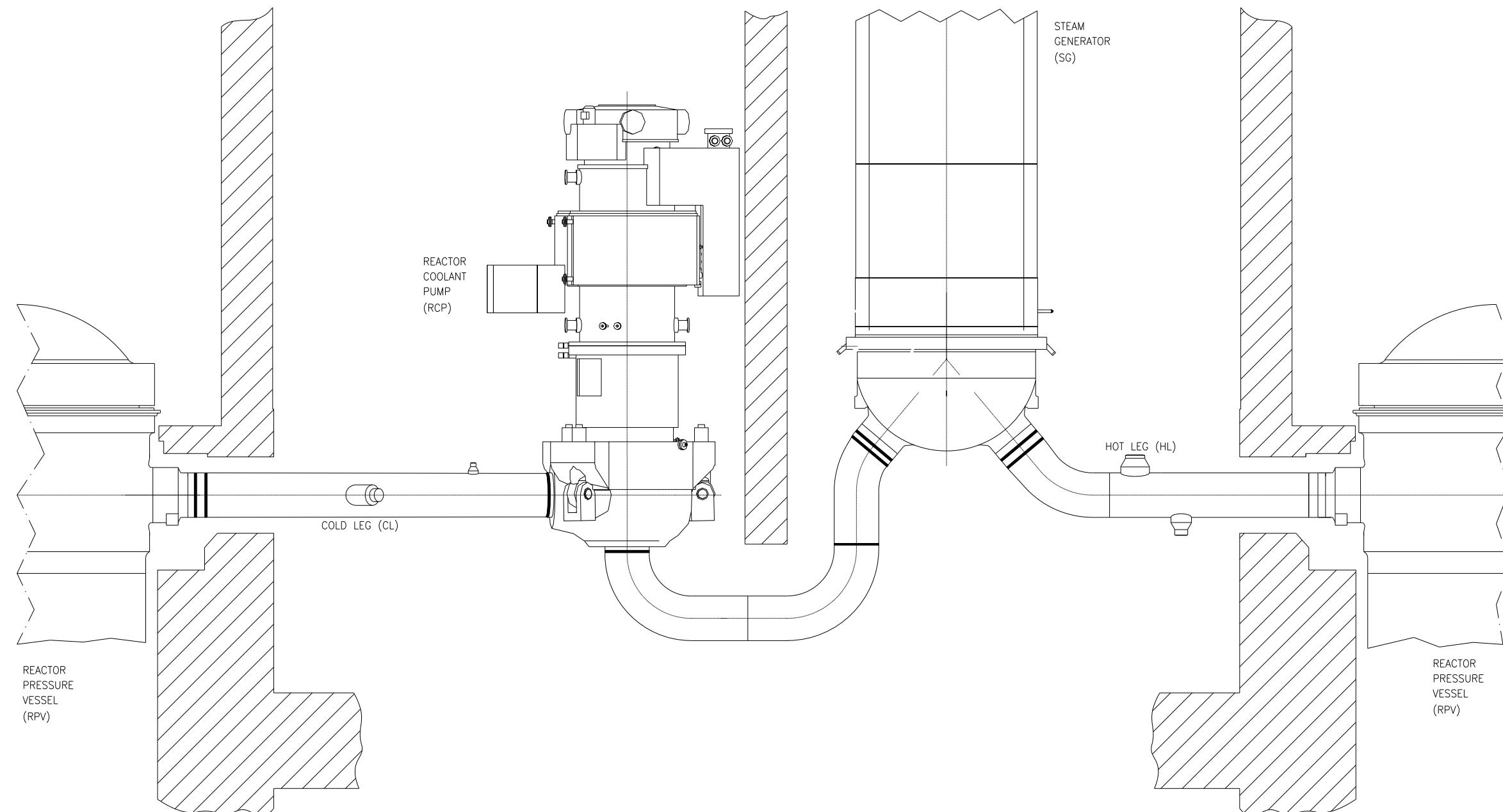


BEST ESTIMATE CONDITIONS OF RCS AT 100% POWER				
ITEM	DESCRIPTION	FLOW (gpm)	PRESSURE (psia)	TEMPERATURE (F)
1	HOT LEG	124,741	2265	624.6
2	COLD LEG	124,741	2324	563.4
3	CROSS-OVER LEG	124,741	2218	563.4
4	PZR LIQUID PHASE	-	2250	652.7
5	PZR STEAM PHASE	-	2250	652.7

JEX002 T2

Figure 5.1-2—RCS Layout

Figure 5.1-3—RCS Elevation

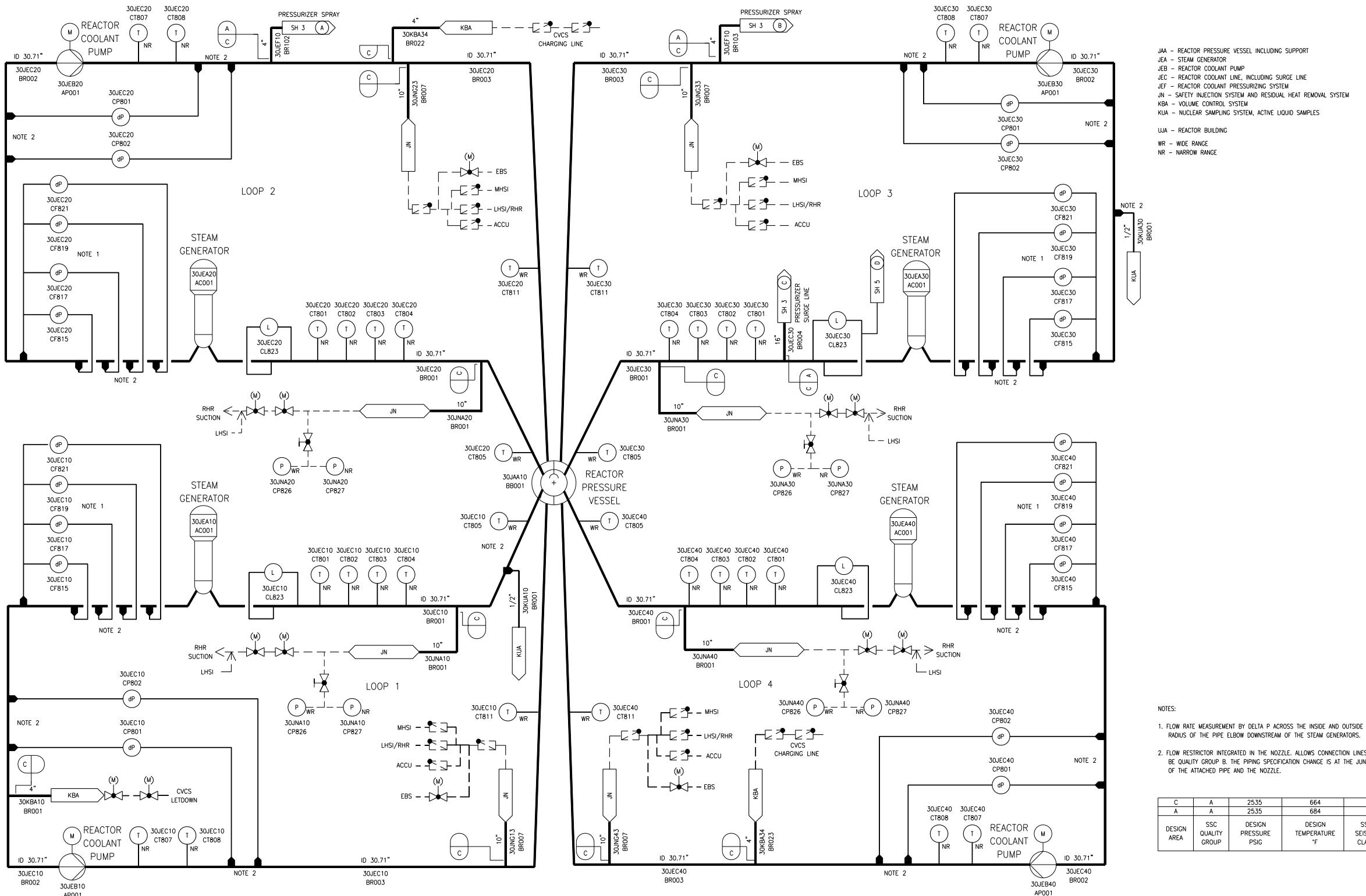


## NOTES:

1. COMPONENTS, WALLS & PIPING ROTATED FOR CLARITY

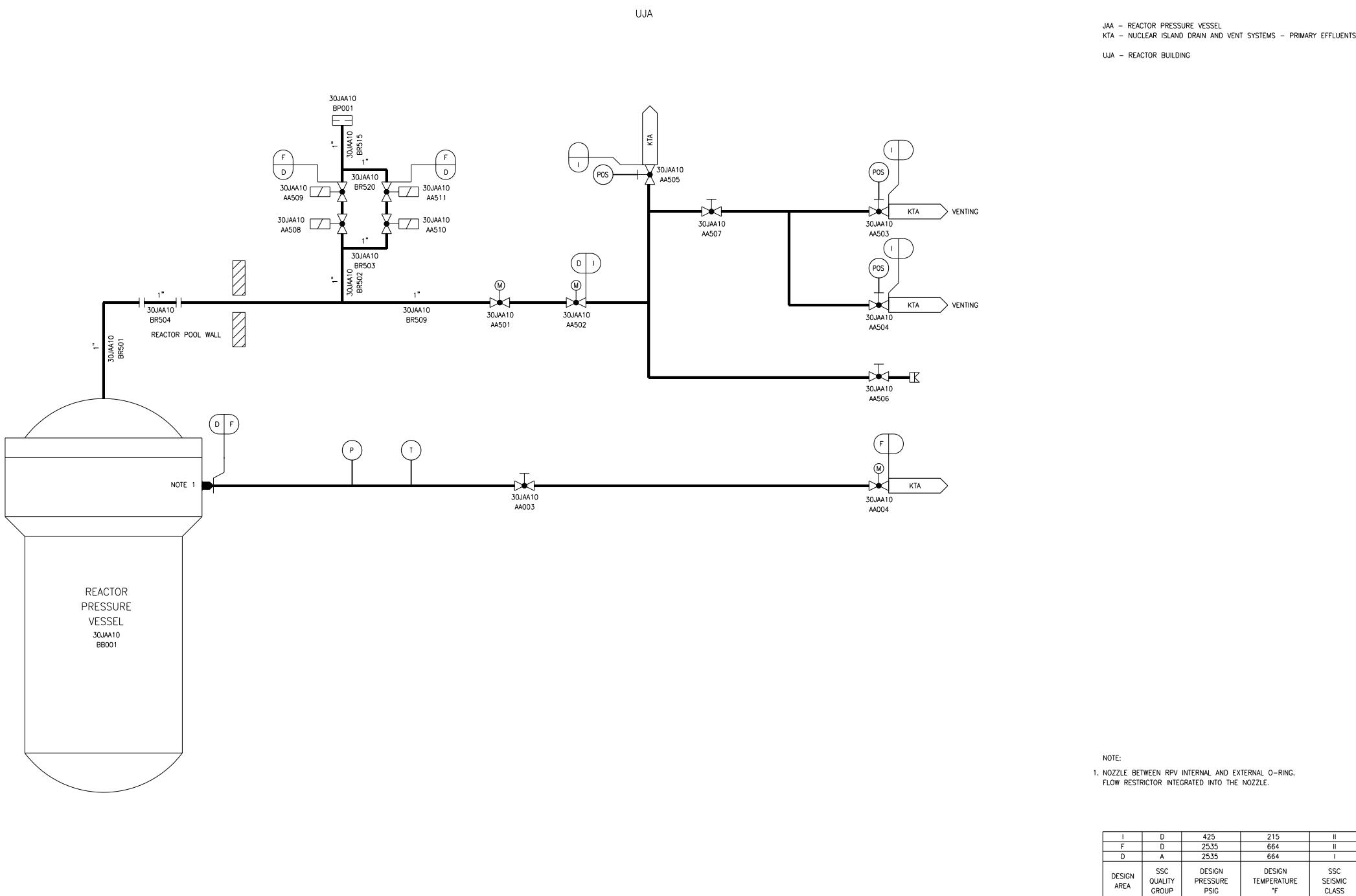
JE05 T2

**Figure 5.1-4—RCS Piping and Instrumentation Diagram**  
Sheet 1 of 7



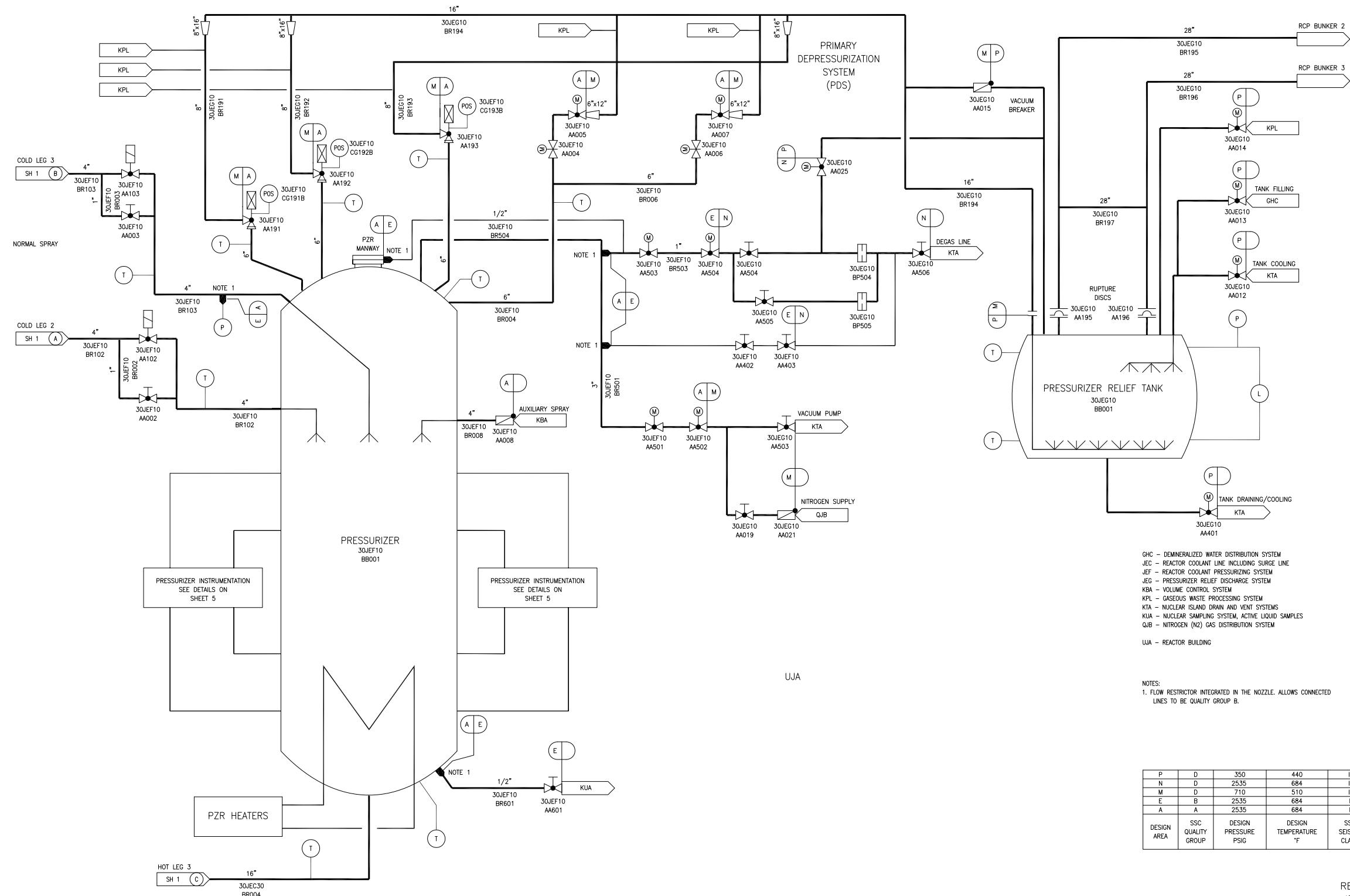
JEX01T2

**Figure 5.1-4—RCS Piping and Instrumentation Diagram**  
Sheet 2 of 7

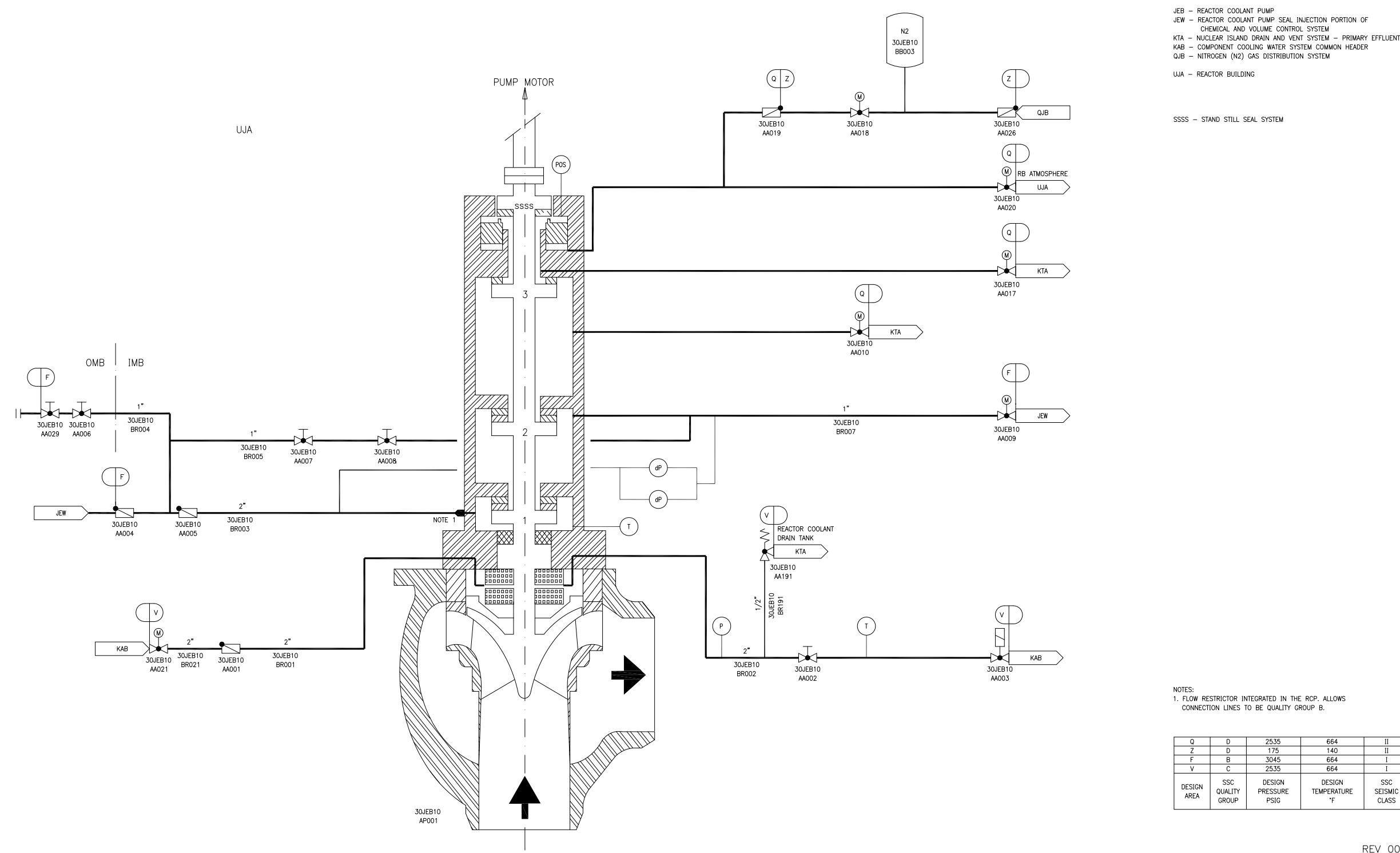


JEX02T2

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



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

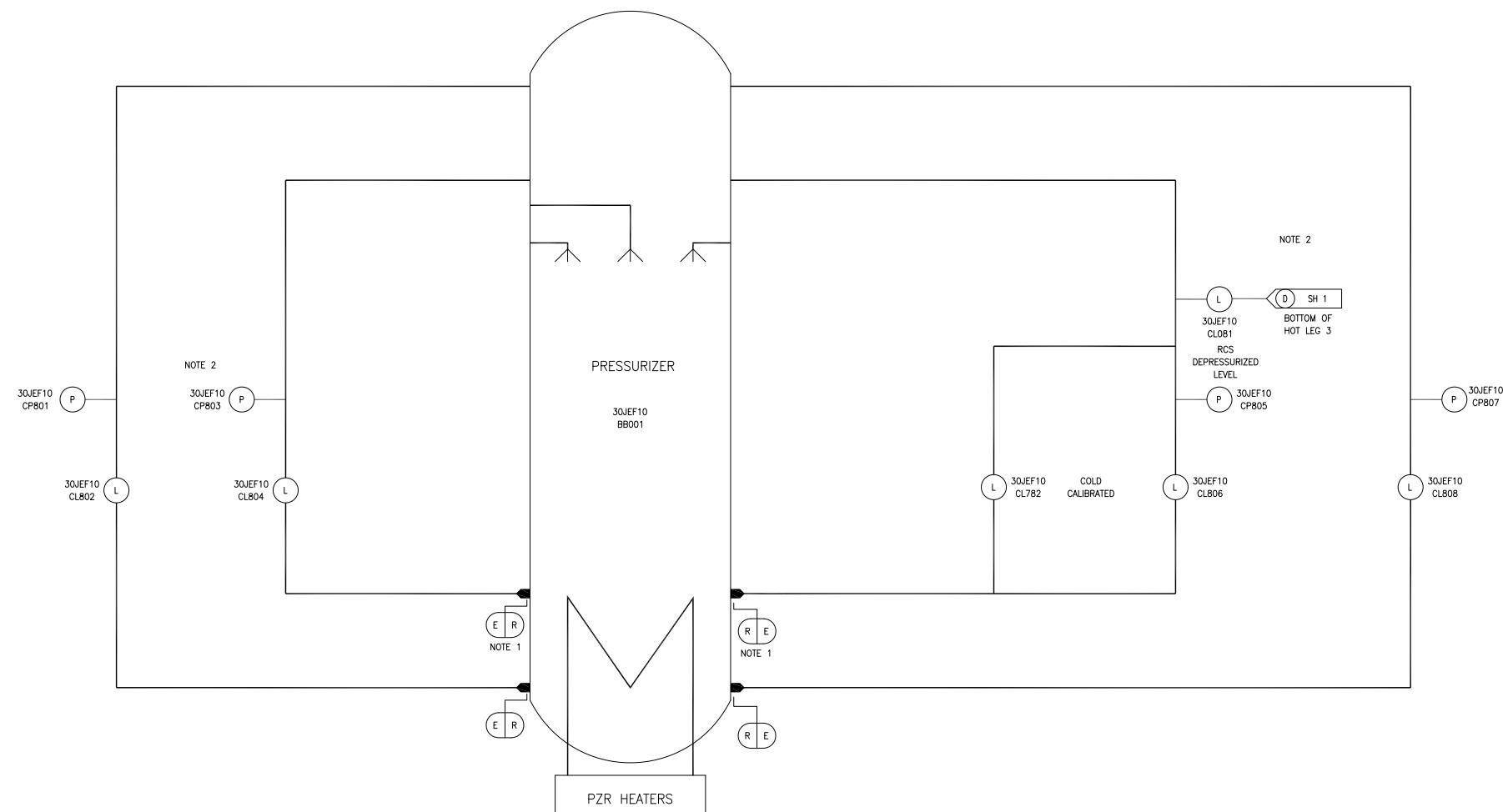


REV 005  
JEX04T2

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

UJA

JEF — REACTOR COOLANT PRESSURIZING SYSTEM  
 UJA — REACTOR BUILDING



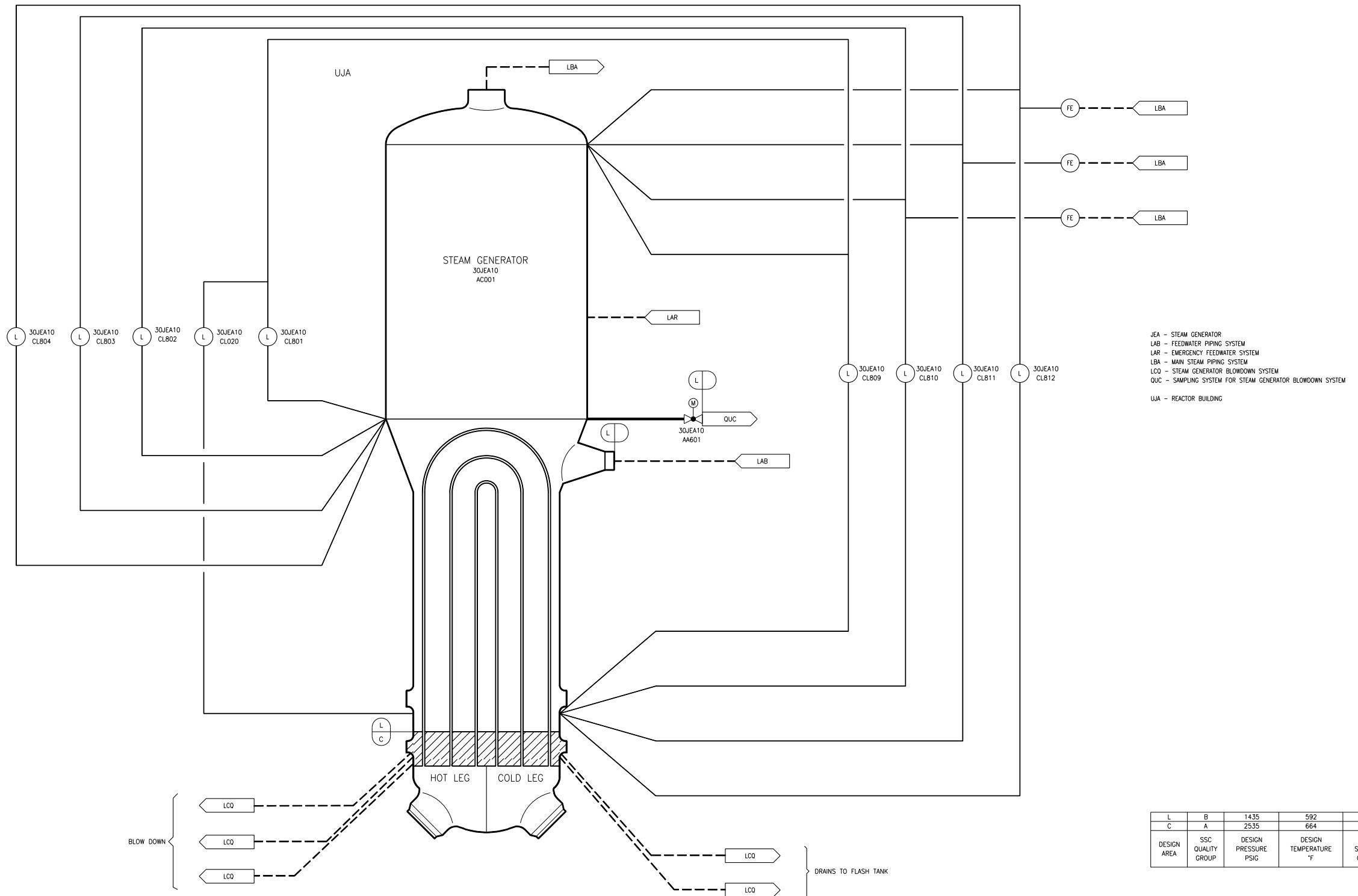
## NOTES:

1. FLOW RESTRICTOR INTEGRATED IN THE NOZZLE ALLOWS CONNECTION LINES TO BE QUALITY GROUP B.
2. CLASS BREAK TO QUALITY GROUP B AT CONDENSATE POT (NOT SHOWN).

R	A	2535	684	I
E	B	2535	684	I
DESIGN AREA	SSC QUALITY GROUP	DESIGN PRESSURE PSIG	DESIGN TEMPERATURE °F	SSC SEISMIC CLASS

REV 002  
 JEX05T2

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



JEX06T2

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

