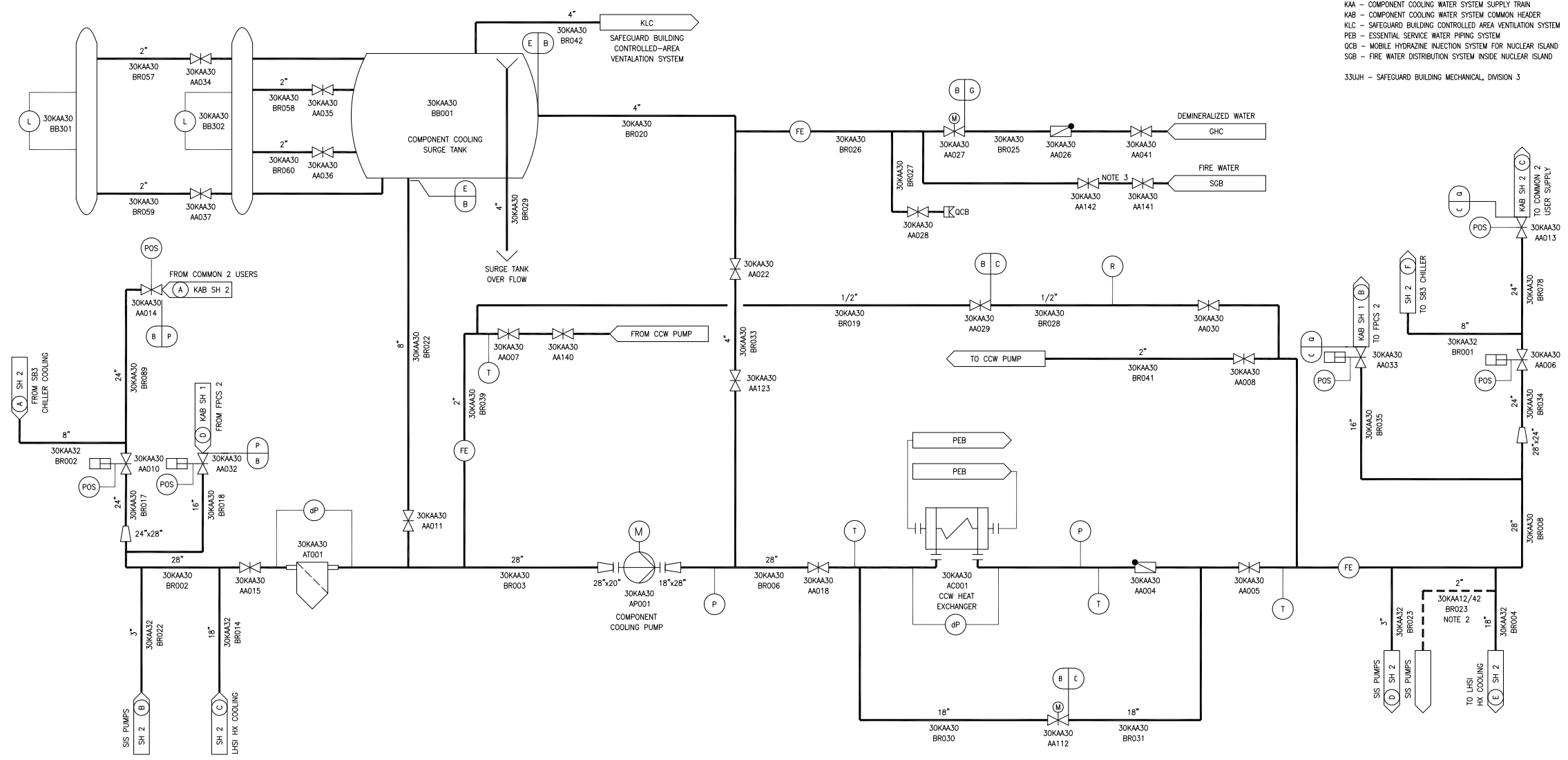


Figure 9.2.2-1—Component Cooling Water System Trains 1 through 4  
Sheet 1 of 2



GHC - DEMINERALIZED WATER DISTRIBUTION SYSTEM  
 KAA - COMPONENT COOLING WATER SYSTEM SUPPLY TRAIN  
 KAB - COMPONENT COOLING WATER SYSTEM COMMON HEADER  
 KLC - SAFEGUARD BUILDING CONTROLLED AREA VENTILATION SYSTEM  
 PEB - ESSENTIAL SERVICE WATER PIPING SYSTEM  
 QCB - MOBILE HYDRAZINE INJECTION SYSTEM FOR NUCLEAR ISLAND  
 SGB - FIRE WATER DISTRIBUTION SYSTEM INSIDE NUCLEAR ISLAND  
 33UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 3

33UJH

NOTES:  
 1. TRAIN 3 SHOWN IS REPRESENTATIVE OF 4 TRAINS WITH EXCEPTIONS NOTED.  
 2. TRAINS 1 AND 4 SAFETY INJECTION SYSTEM COOLING EXCEPTION.  
 3. SPOOL PIECE TO BE INSTALLED AS OPERATOR ACTION IN POST SEISMIC EVENTS AS REQUIRED.

E	C	15	225	I
G	E	175	140	NSC
C	C	175	225	I
B	C	175	225	I
DESIGN AREA	SSC QUALITY GROUP	DESIGN PRESSURE PSIG	DESIGN TEMPERATURE °F	SSC SEISMIC CLASS

REV 001  
 KAA01T2

Figure 9.2.2-1—Component Cooling Water System Trains 1 through 4  
Sheet 2 of 2

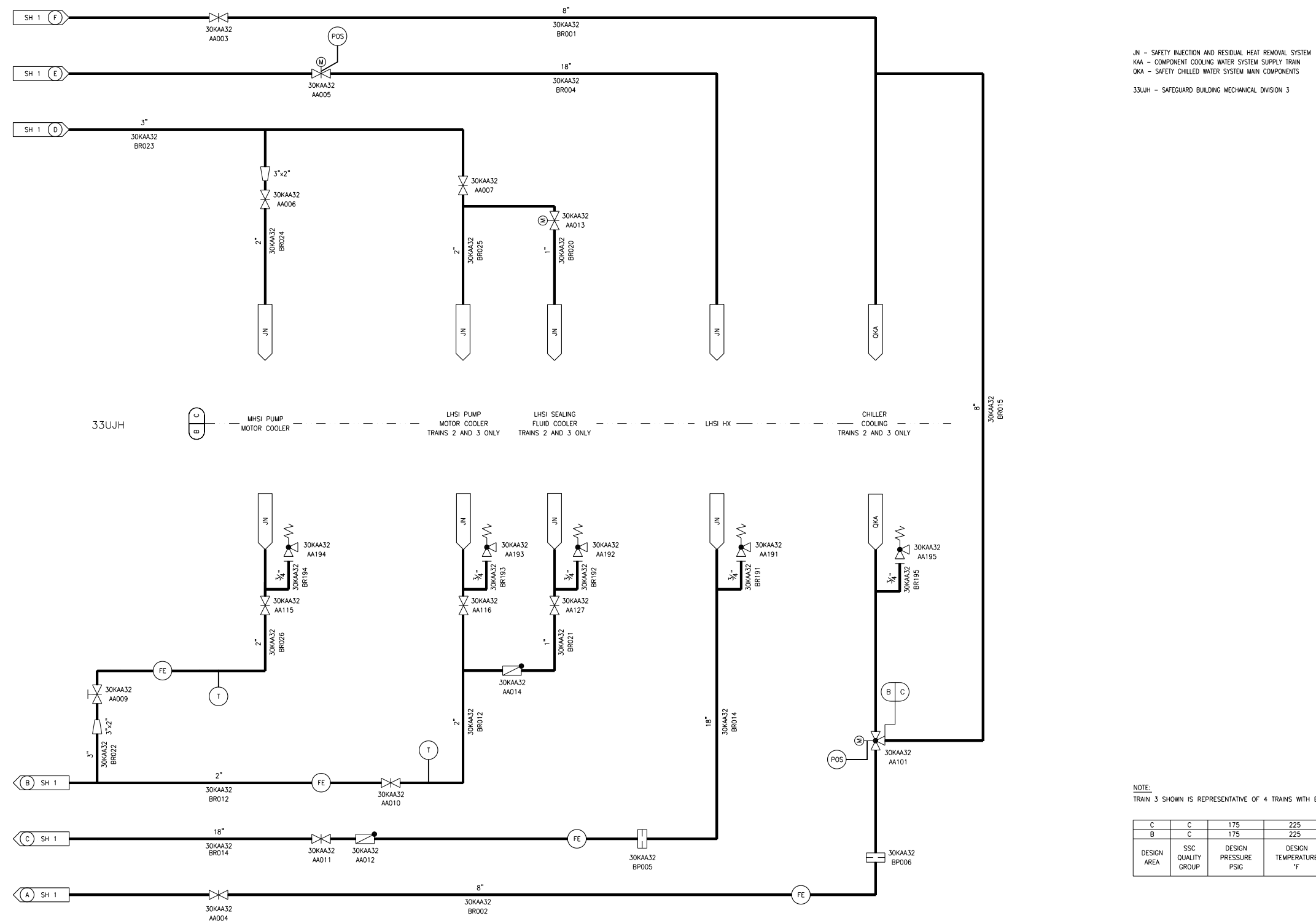
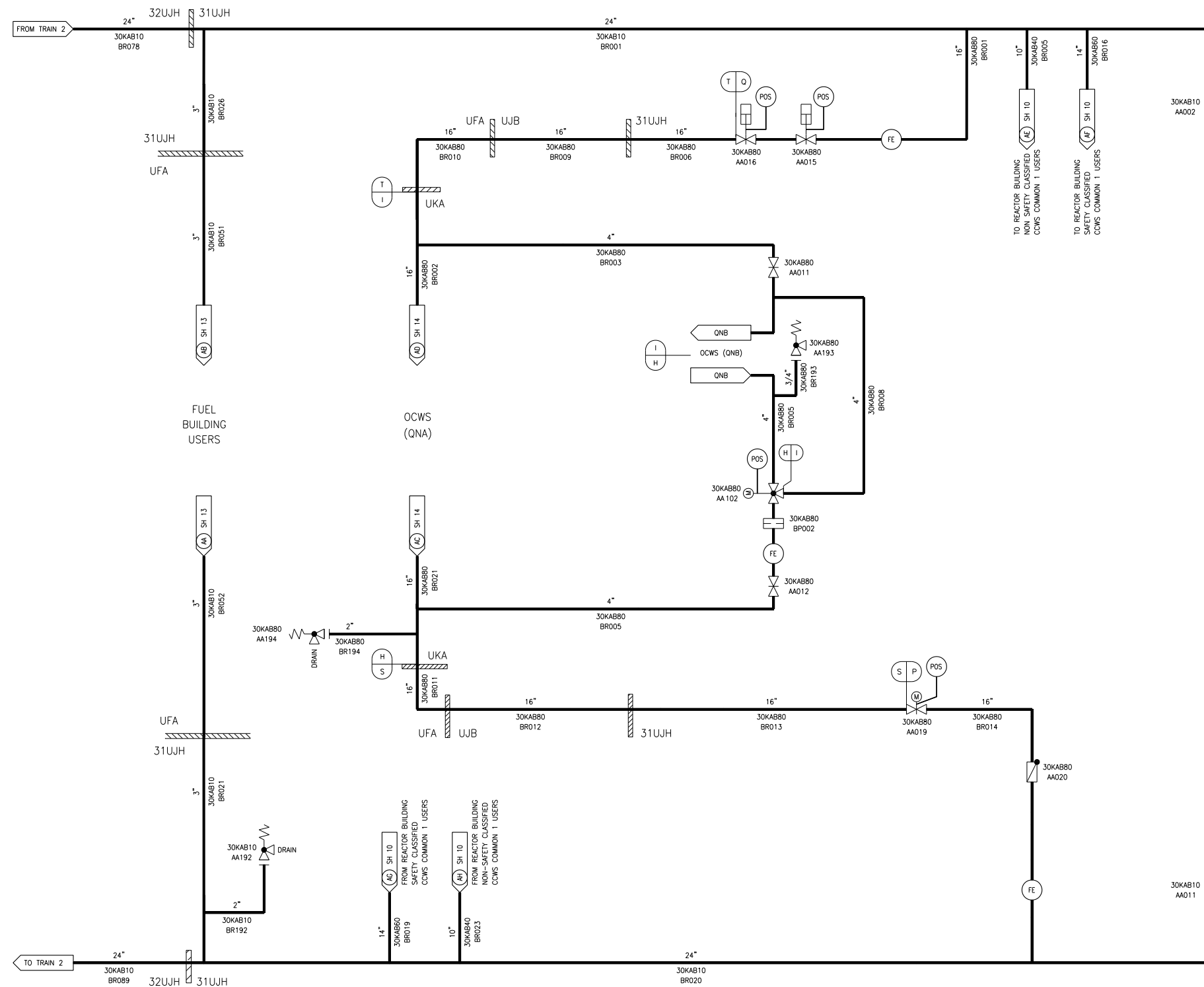


Figure 9.2.2-2—Component Cooling Water System Common Loop 1  
Sheet 1 of 7



KAA - COMPONENT COOLING WATER SYSTEM SUPPLY TRAIN  
 KAB - COMPONENT COOLING WATER SYSTEM COMMON HEADER  
 QNA - OPERATIONAL CHILLED WATER SYSTEM  
 QNB - OPERATIONAL CHILLED WATER SYSTEM FOR GASEOUS WASTE PROCESSING SYSTEM

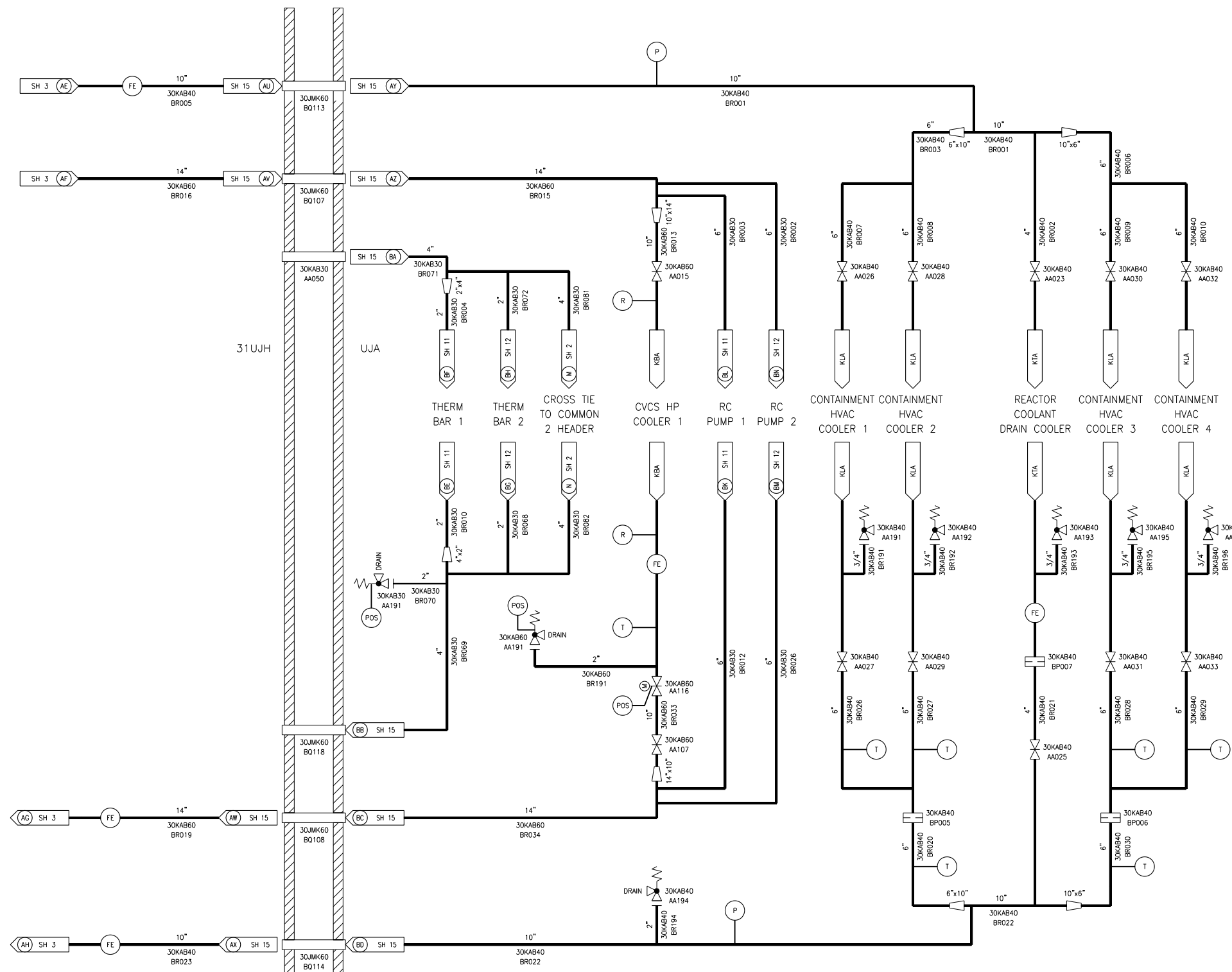
UFA - FUEL BUILDING  
 UJB - REACTOR BUILDING ANNULUS  
 UKA - NUCLEAR AUXILIARY BUILDING  
 31UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 1  
 32UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 2

NOTE:  
 CCWS TRAINS 1 AND 2 COMMON 1 HEADER SUPPLY.

T	E	175	225	NSC
S	E	175	225	NSC
I	E	175	225	NSC
H	E	175	225	NSC
P	C	175	225	I
O	C	175	225	I
DESIGN AREA	SSC QUALITY GROUP	DESIGN PRESSURE PSIG	DESIGN TEMPERATURE °F	SSC SEISMIC CLASS

KAB03T2

Figure 9.2.2-2—Component Cooling Water System Common Loop 1  
Sheet 2 of 7



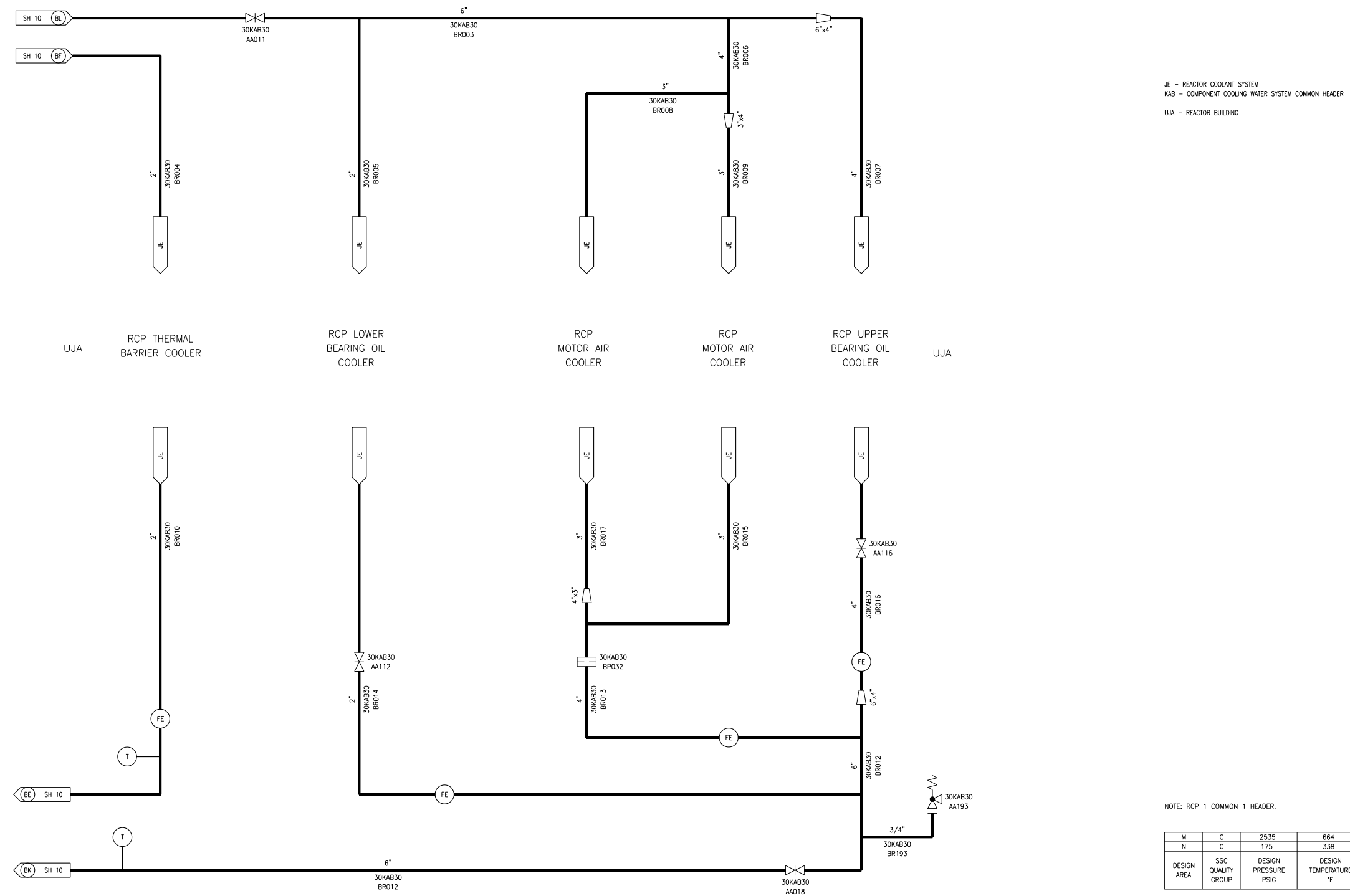
JMK - PIPING PENETRATIONS  
 KAB - COMPONENT COOLING WATER SYSTEM COMMON HEADER  
 KBA - VOLUME CONTROL SYSTEM  
 KLA - CONTAINMENT BUILDING VENTILATION SYSTEM  
 KTA - NUCLEAR ISLAND DRAIN AND VENT SYSTEMS - PRELIMINARY EFFLUENTS  
 UJA - REACTOR BUILDING  
 31UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 1

NOTE: COMMON 1 HEADER RB USERS.

DESIGN AREA	SSC QUALITY GROUP	DESIGN PRESSURE PSIG	DESIGN TEMPERATURE °F	SSC SEISMIC CLASS
M	C	2535	664	I
N	C	175	338	I
P	C	175	225	I
O	C	175	225	I

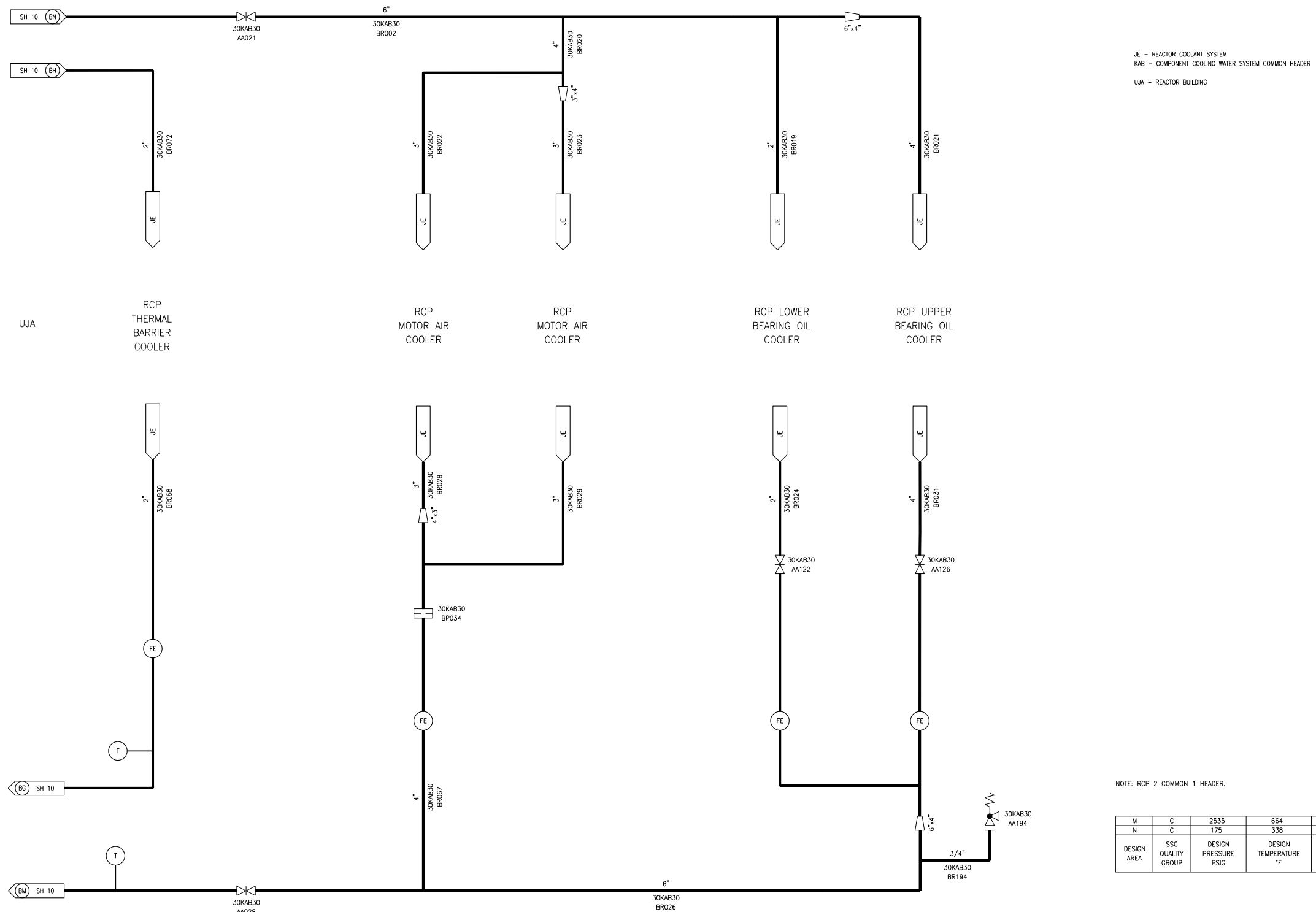
KAB10T2

Figure 9.2.2-2—Component Cooling Water System Common Loop 1  
Sheet 3 of 7



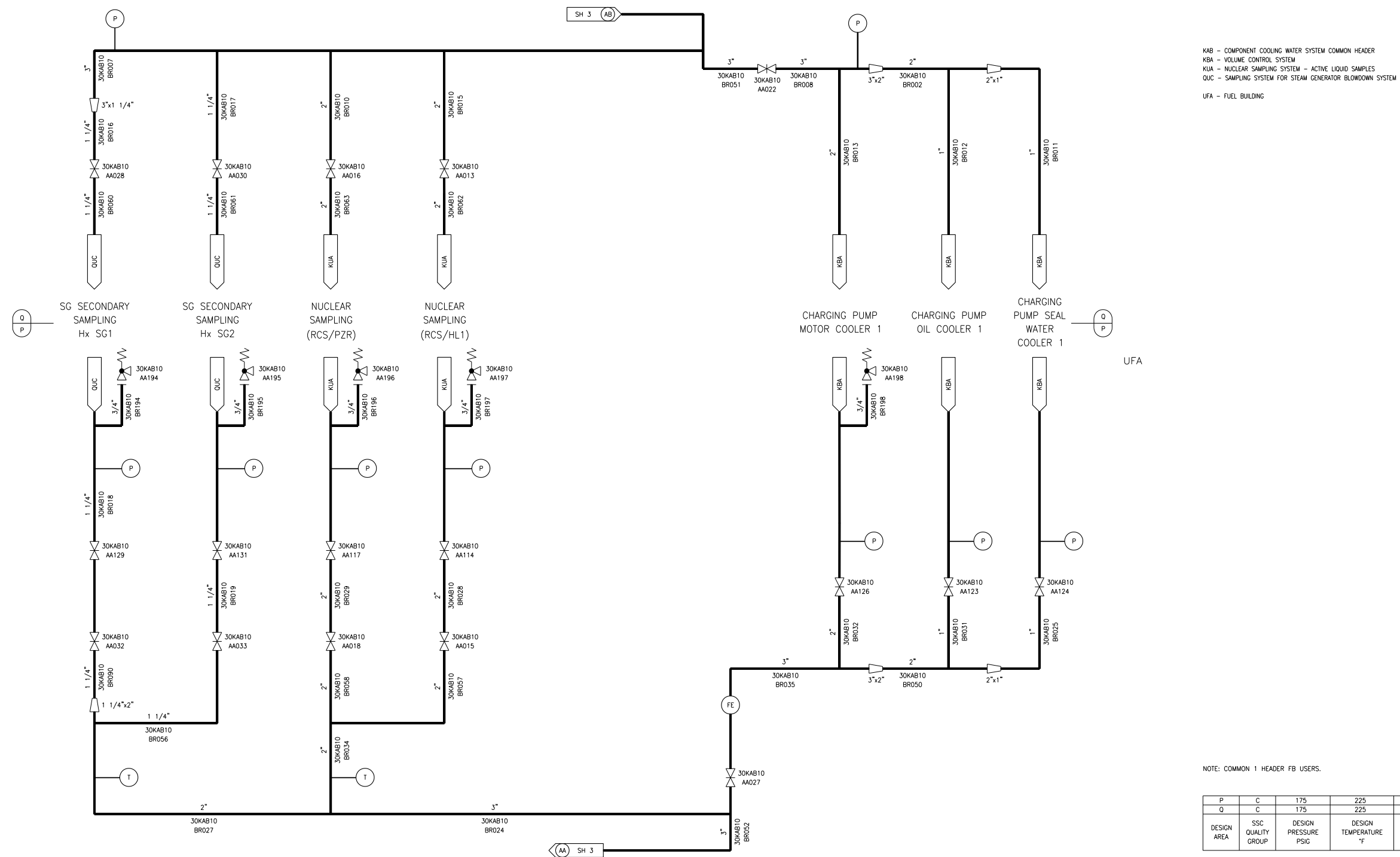
KAB11T2

Figure 9.2.2-2—Component Cooling Water System Common Loop 1  
Sheet 4 of 7



KAB12T2

Figure 9.2.2-2—Component Cooling Water System Common Loop 1  
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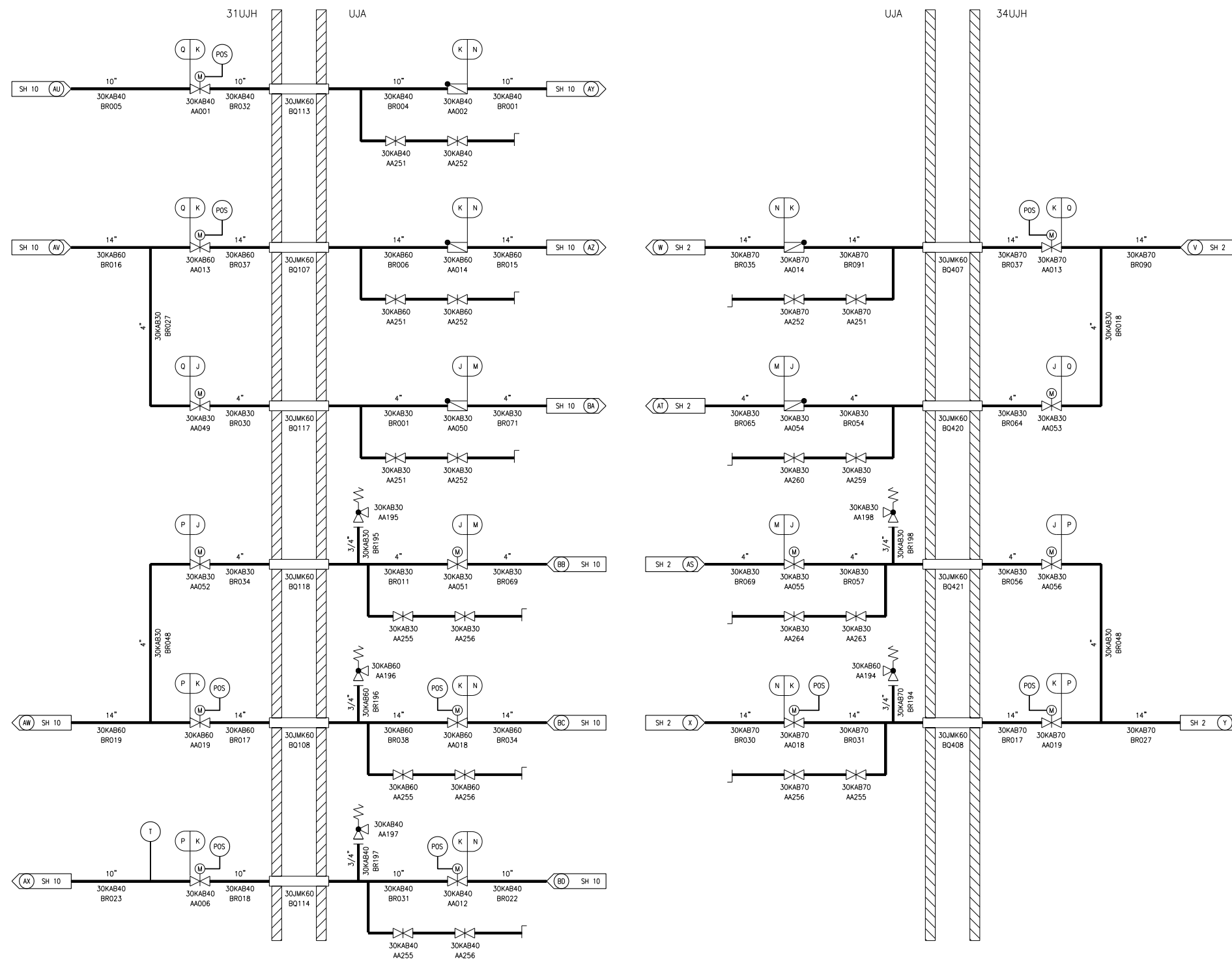


KAB13T2





Figure 9.2.2-2—Component Cooling Water System Common Loop 1  
Sheet 7 of 7



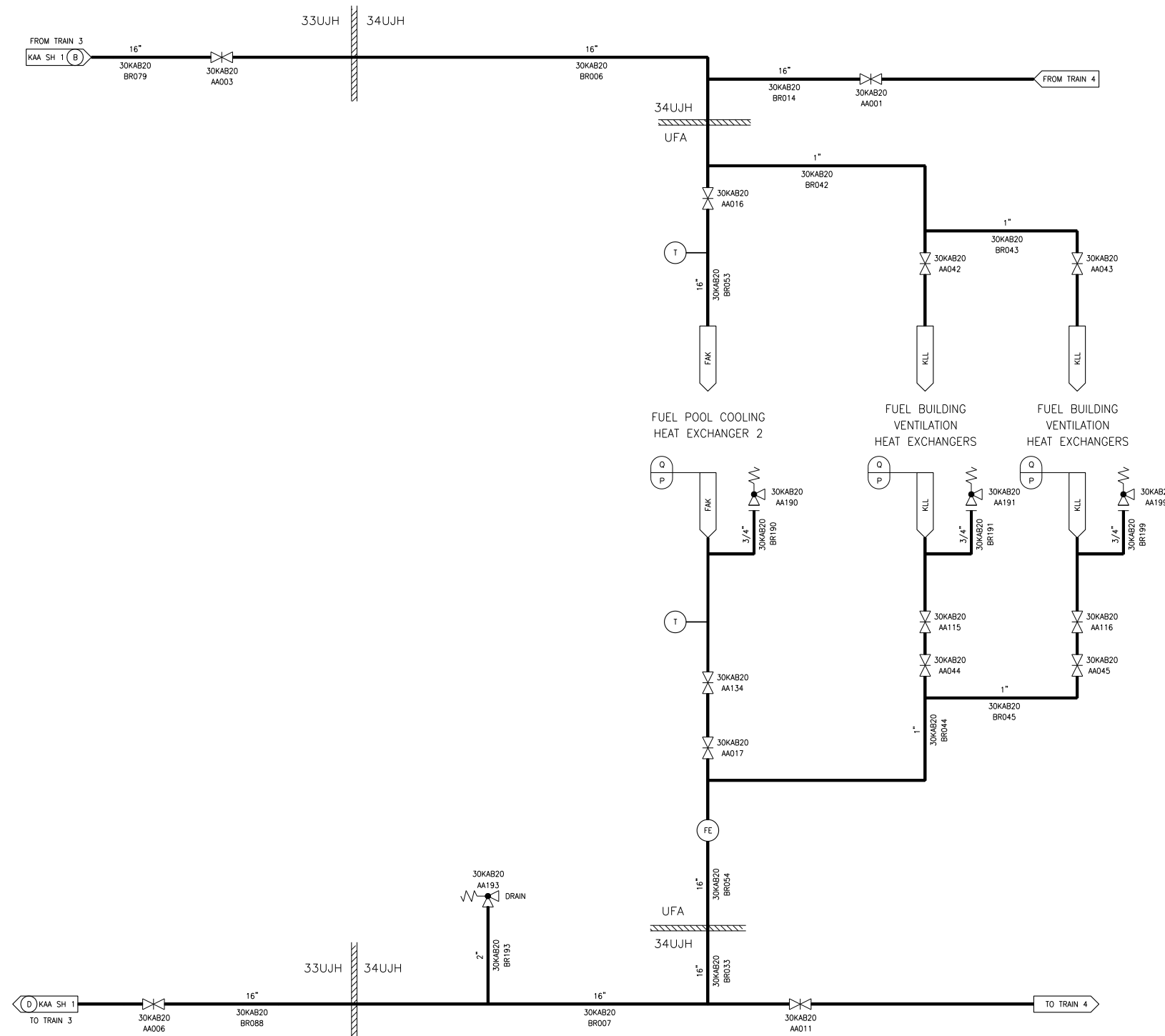
JMK - PIPING PENETRATIONS  
 KAB - COMPONENT COOLING WATER SYSTEM COMMON HEADER  
 UJA - REACTOR BUILDING  
 31UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 1  
 34UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 4

NOTE: COMMON 1 AND 2 CONTAINMENT PENETRATION DETAILS.

J	B	2535	664	I
M	C	2535	664	I
K	B	175	338	I
N	C	175	338	I
P	C	175	225	I
Q	C	175	225	I
DESIGN AREA	SSC QUALITY GROUP	DESIGN PRESSURE PSIG	DESIGN TEMPERATURE °F	SSC SEISMIC CLASS

KAB15T2

Figure 9.2.2-3—Component Cooling Water System Common Loop 2  
Sheet 1 of 8



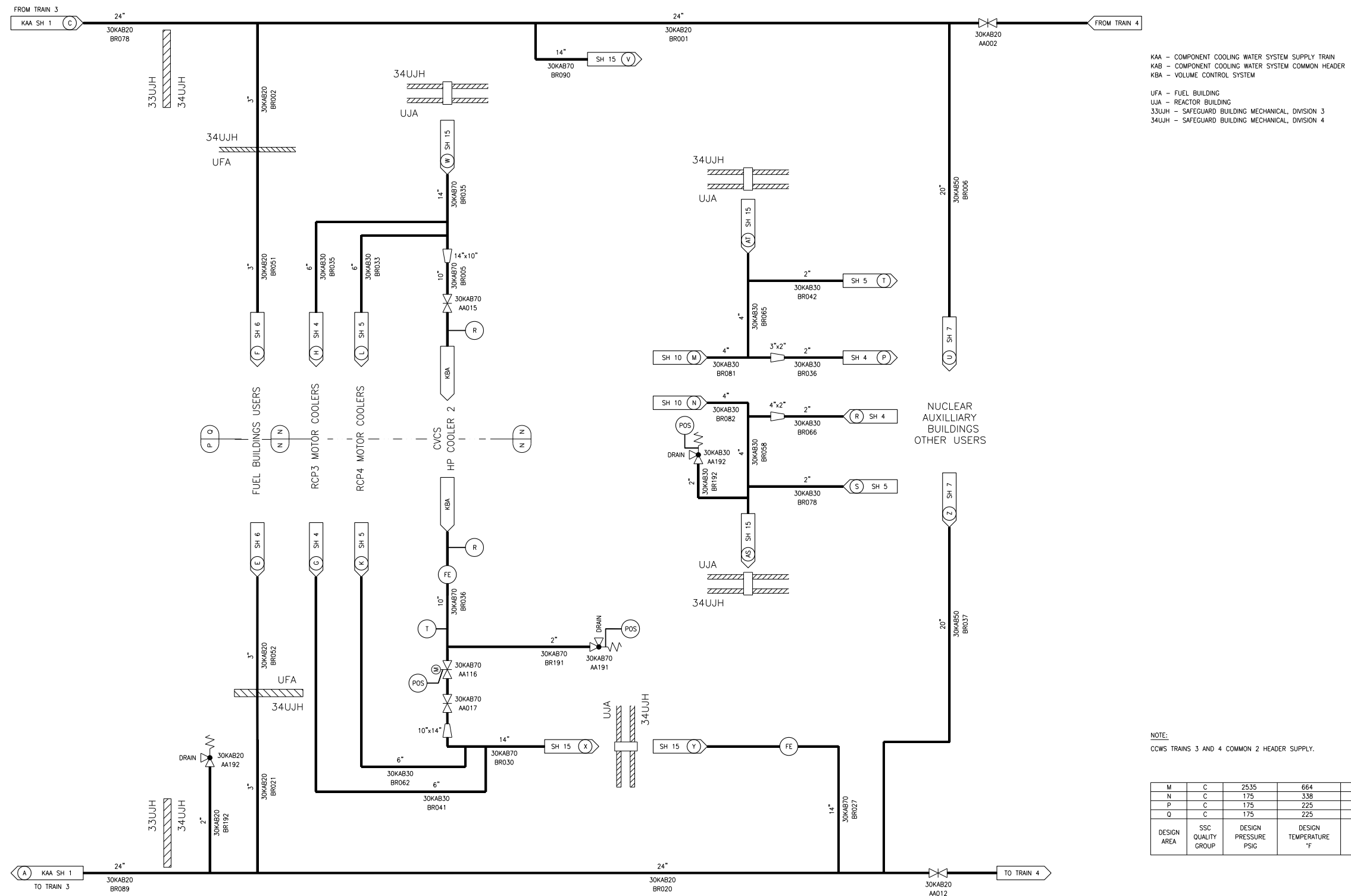
FAK - FUEL POOL COOLING SYSTEM  
 KAA - COMPONENT COOLING WATER SYSTEM SUPPLY TRAIN  
 KAB - COMPONENT COOLING WATER SYSTEM COMMON HEADER  
 KLL - FUEL BUILDING VENTILATION SYSTEM  
  
 UFA - FUEL BUILDING  
 33UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 3  
 34UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 4

NOTE:  
 COWS TRAINS 3 AND 4 SUPPLYING FPCS TRAIN 2 SHOWN IS REPRESENTATIVE OF COWS TRAINS 2 AND 1, RESPECTIVELY SUPPLYING FPCS TRAIN 1, WITH EXCEPTIONS AS NOTED.

P	C	175	225	I
O	C	175	225	I
DESIGN AREA	SSC QUALITY GROUP	DESIGN PRESSURE PSIG	DESIGN TEMPERATURE °F	SSC SEISMIC CLASS

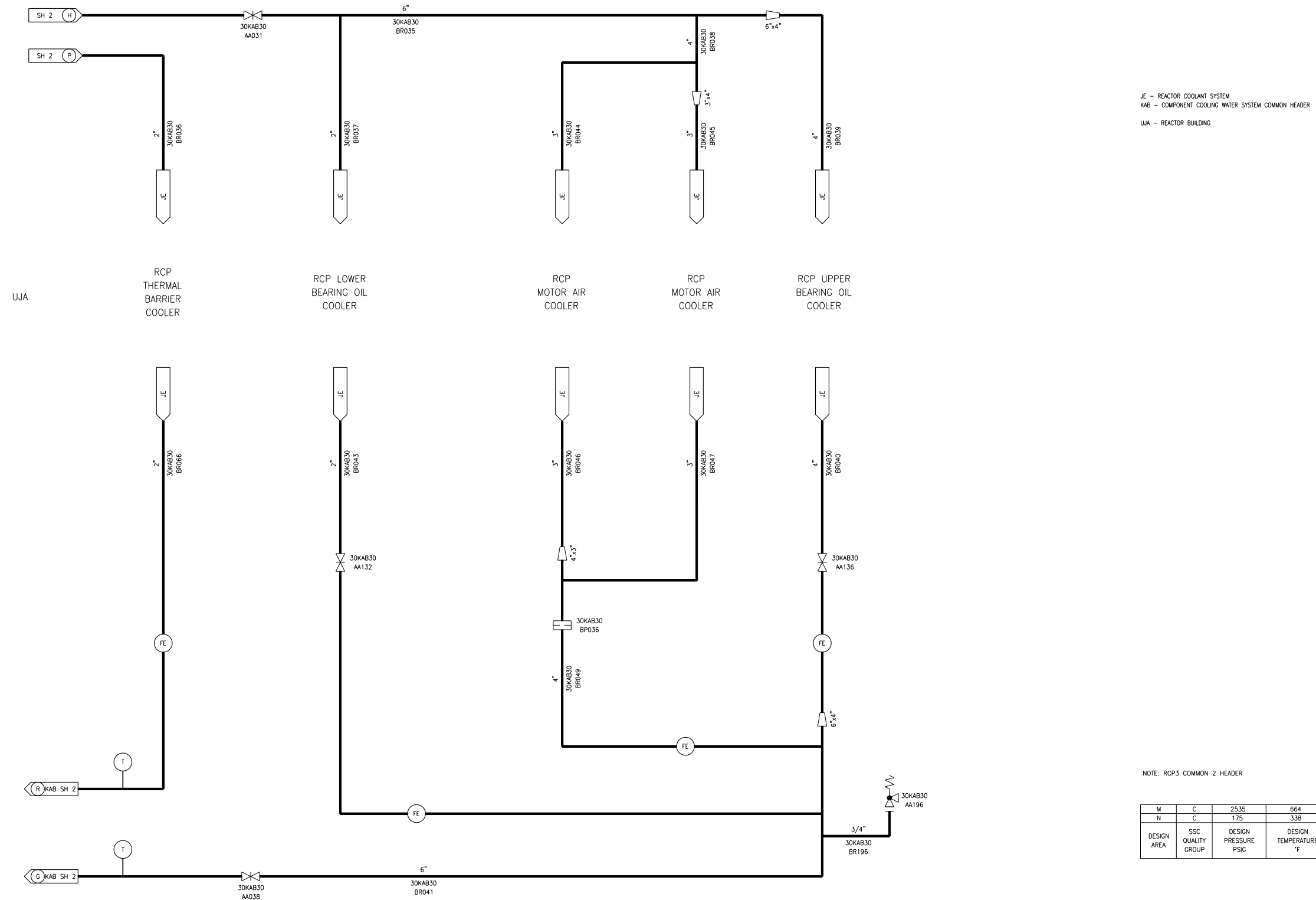
KAB01T2

Figure 9.2.2-3—Component Cooling Water System Common Loop 2  
Sheet 2 of 8



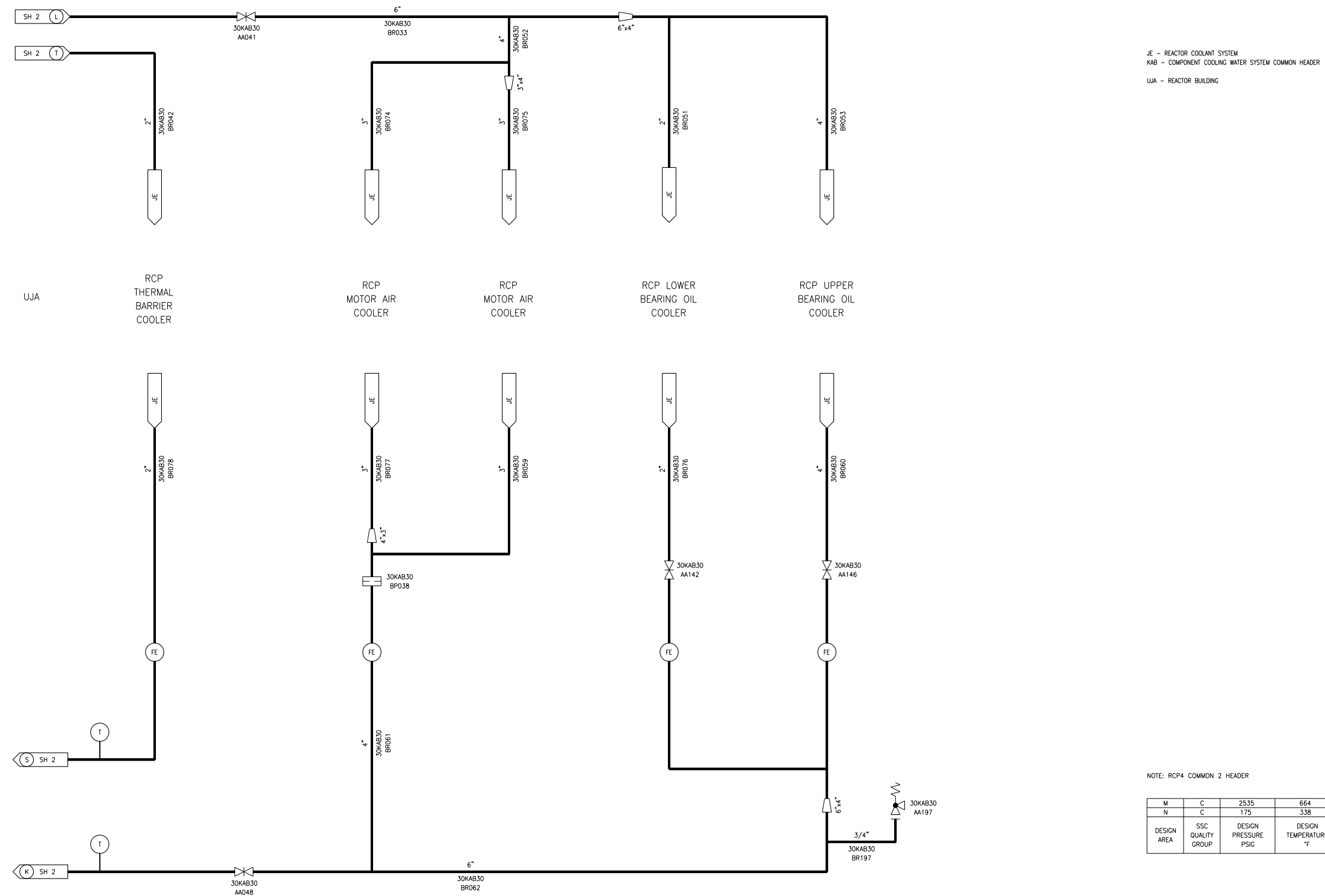
KAB02T2

Figure 9.2.2-3—Component Cooling Water System Common Loop 2  
Sheet 3 of 8



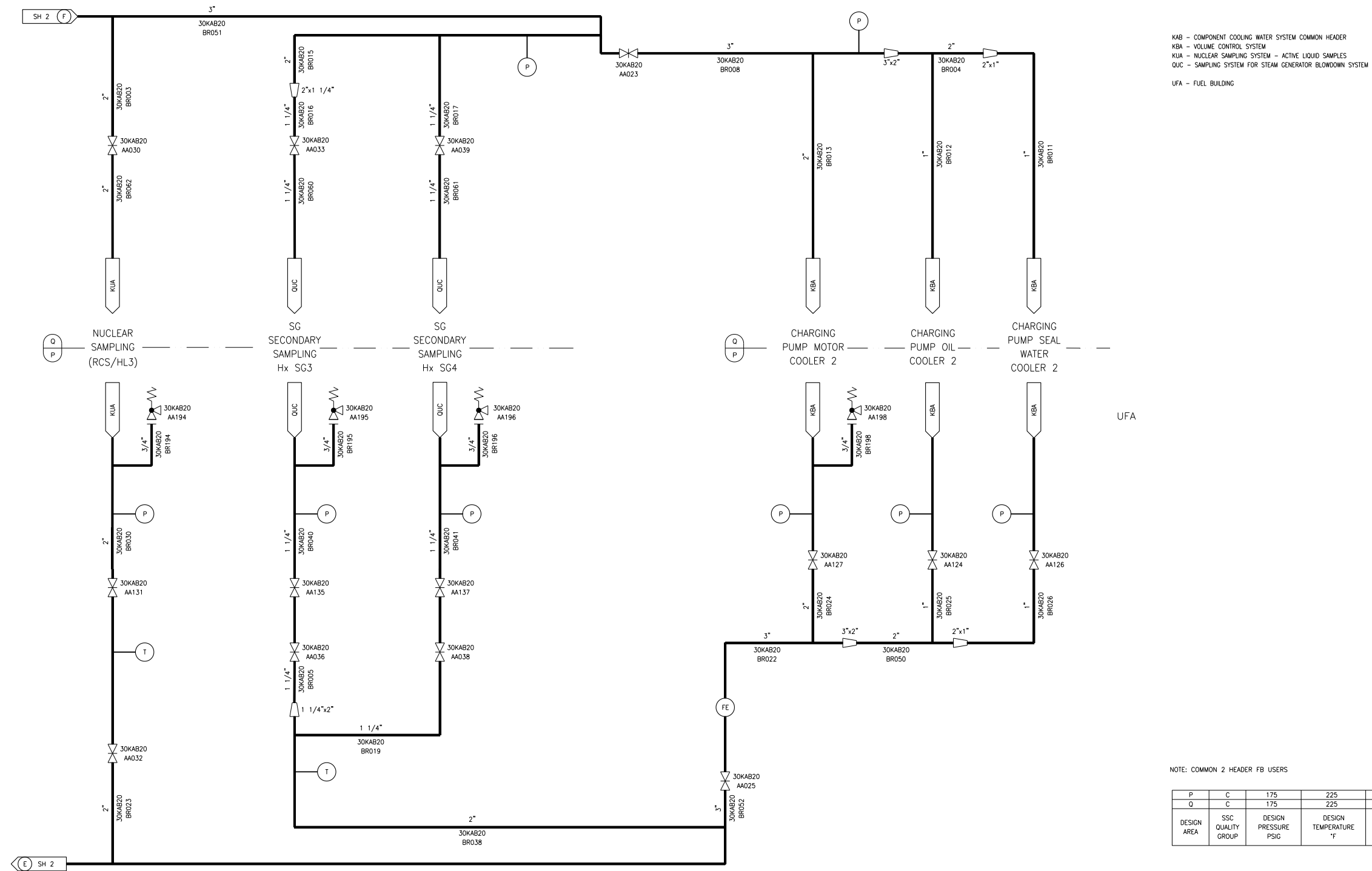
KAB04T2

Figure 9.2.2-3—Component Cooling Water System Common Loop 2  
Sheet 4 of 8



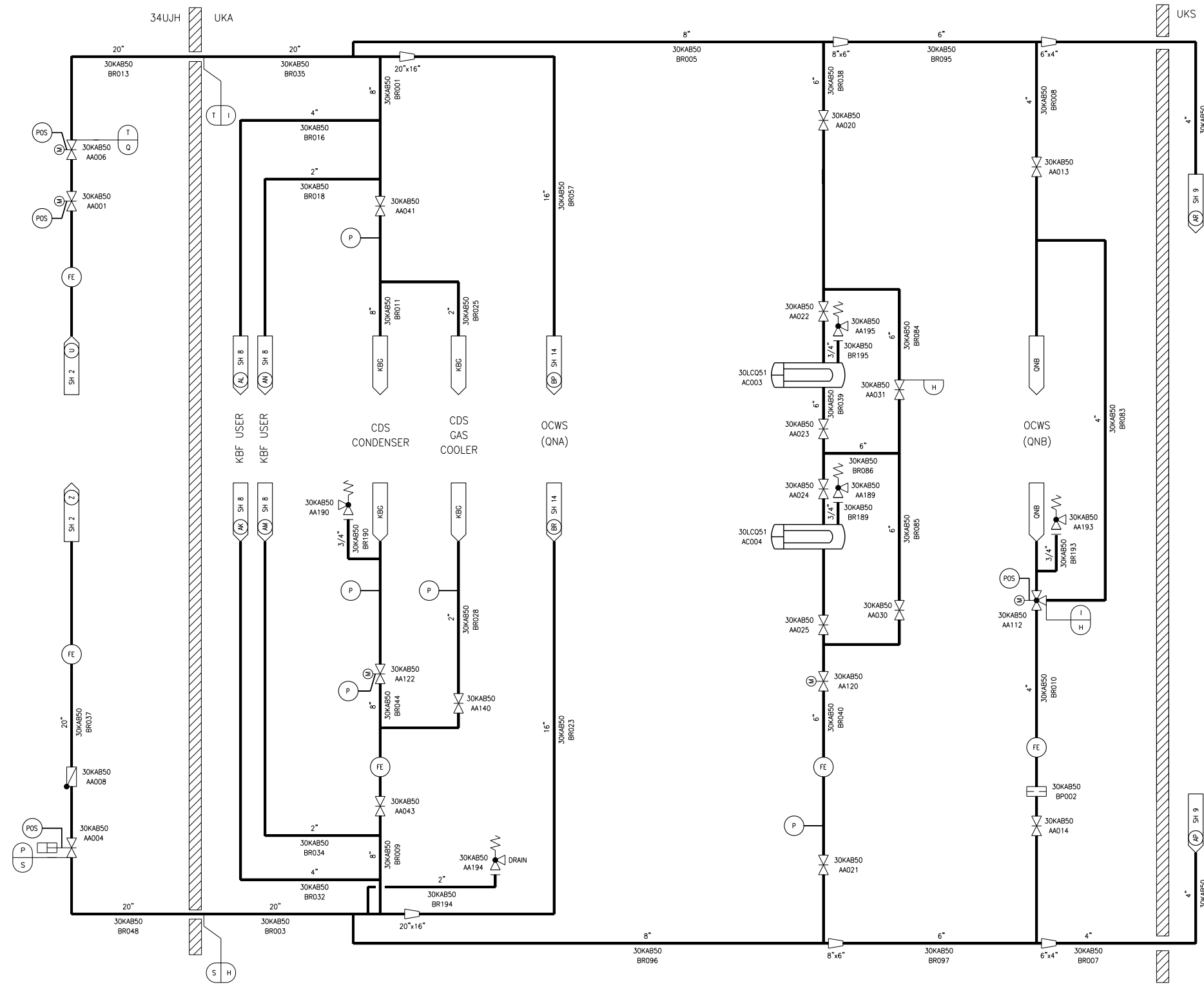
KAB05T2

Figure 9.2.2-3—Component Cooling Water System Common Loop 2  
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KAB06T2

Figure 9.2.2-3—Component Cooling Water System Common Loop 2  
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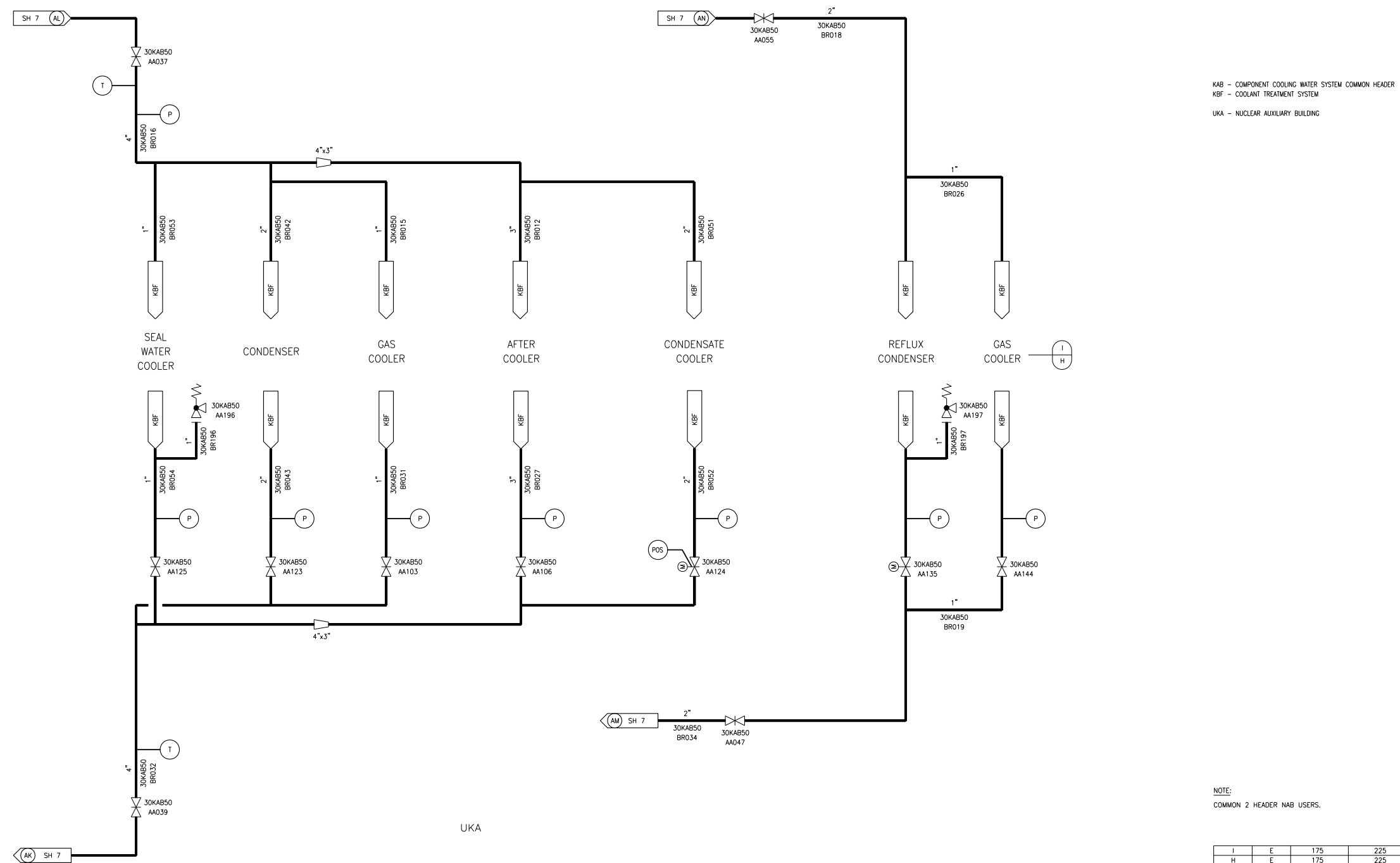
KAB - COMPONENT COOLING WATER SYSTEM COMMON HEADER  
 KBF - COOLANT TREATMENT SYSTEM  
 KBC - COOLANT DECLASSIFICATION SYSTEM  
 LCO - STEAM GENERATOR BLOWDOWN SYSTEM  
 QNB - OPERATIONAL CHILLED WATER SYSTEM FOR CASEOUS WASTE PROCESSING SYSTEM  
 UKA - NUCLEAR AUXILIARY BUILDING  
 UKS - RADIOACTIVE WASTE PROCESSING BUILDING  
 34UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 4

NOTE:  
 COMMON 2 HEADER NAB AND RWPB USERS.

T	E	175	225	NSC
S	E	175	225	NSC
I	E	175	225	NSC
H	E	175	225	NSC
P	C	175	225	I
O	C	175	225	I
DESIGN AREA	SSC QUALITY GROUP	DESIGN PRESSURE PSIG	DESIGN TEMPERATURE °F	SSC SEISMIC CLASS

KAB07T2

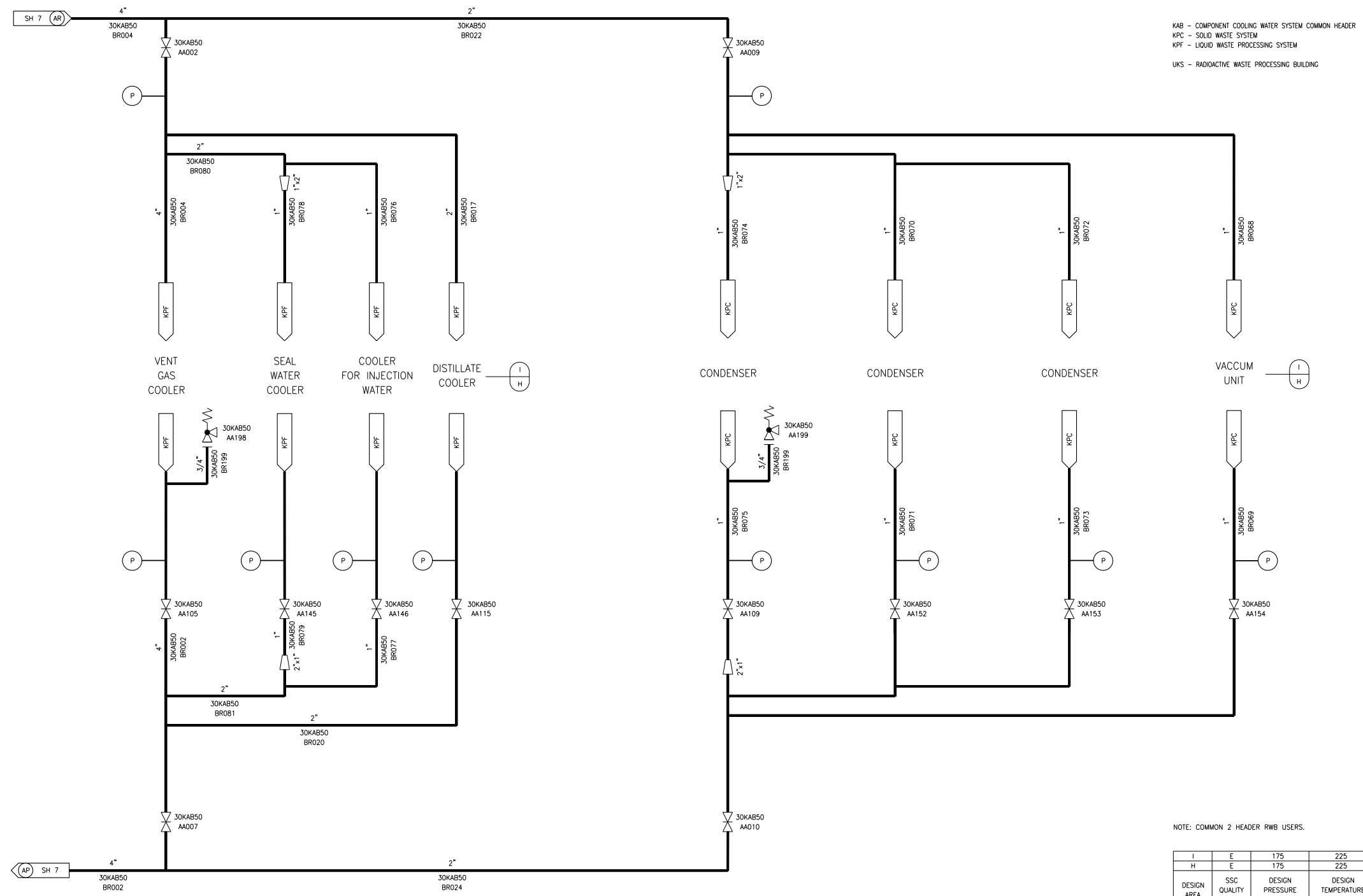
Figure 9.2.2-3—Component Cooling Water System Common Loop 2  
Sheet 7 of 8



KAB08T2



Figure 9.2.2-3—Component Cooling Water System Common Loop 2  
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UKS

KAB09T2

