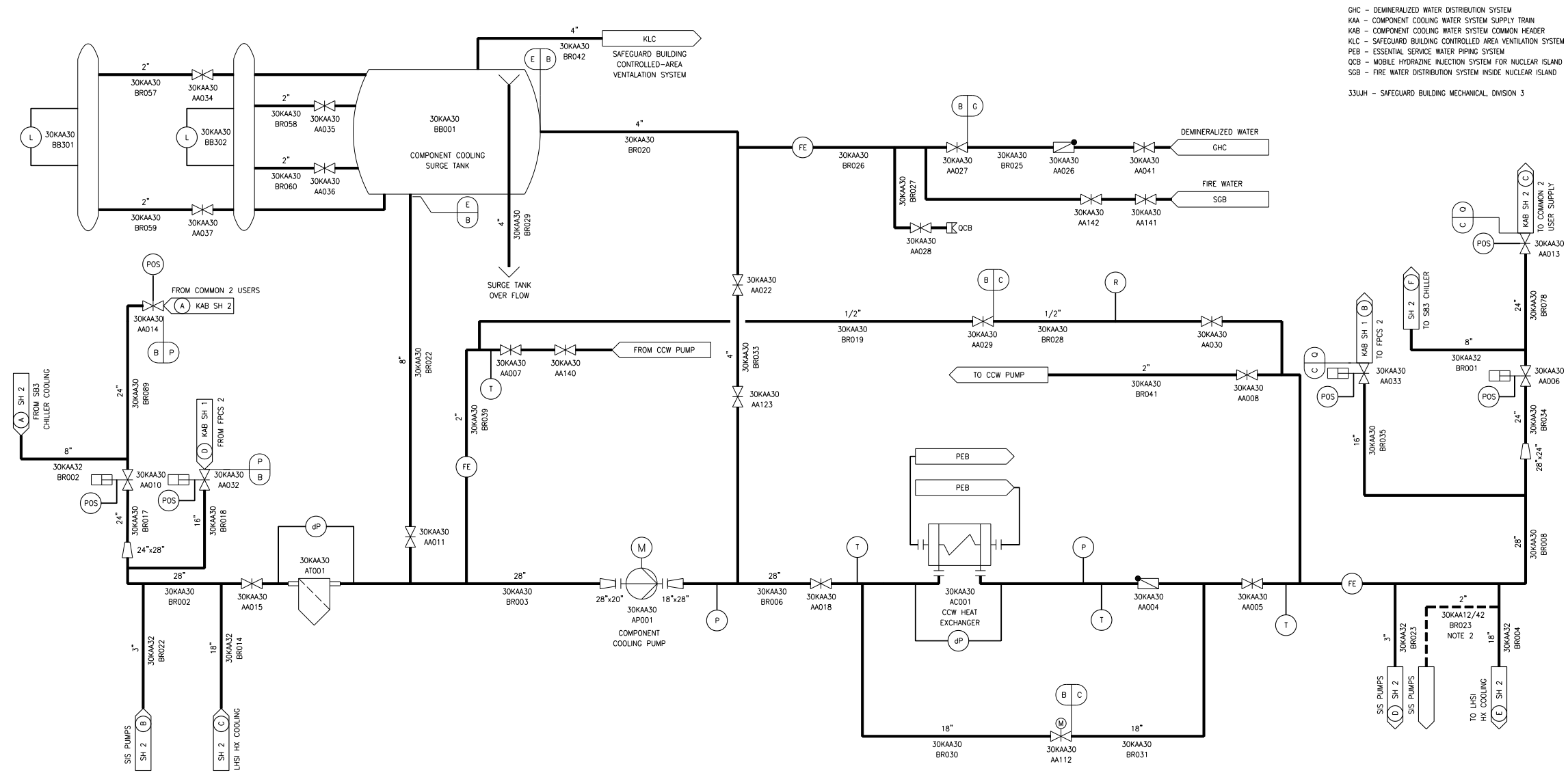


Figure 9.2.2-1—Component Cooling Water System Trains 1 through 4
Sheet 1 of 2



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
 OCB - MOBILE HYDRAZINE INJECTION SYSTEM FOR NUCLEAR ISLAND
 SGB - FIRE WATER DISTRIBUTION SYSTEM INSIDE NUCLEAR ISLAND
 33UJH - SAFEGUARD BUILDING MECHANICAL DIVISION 3

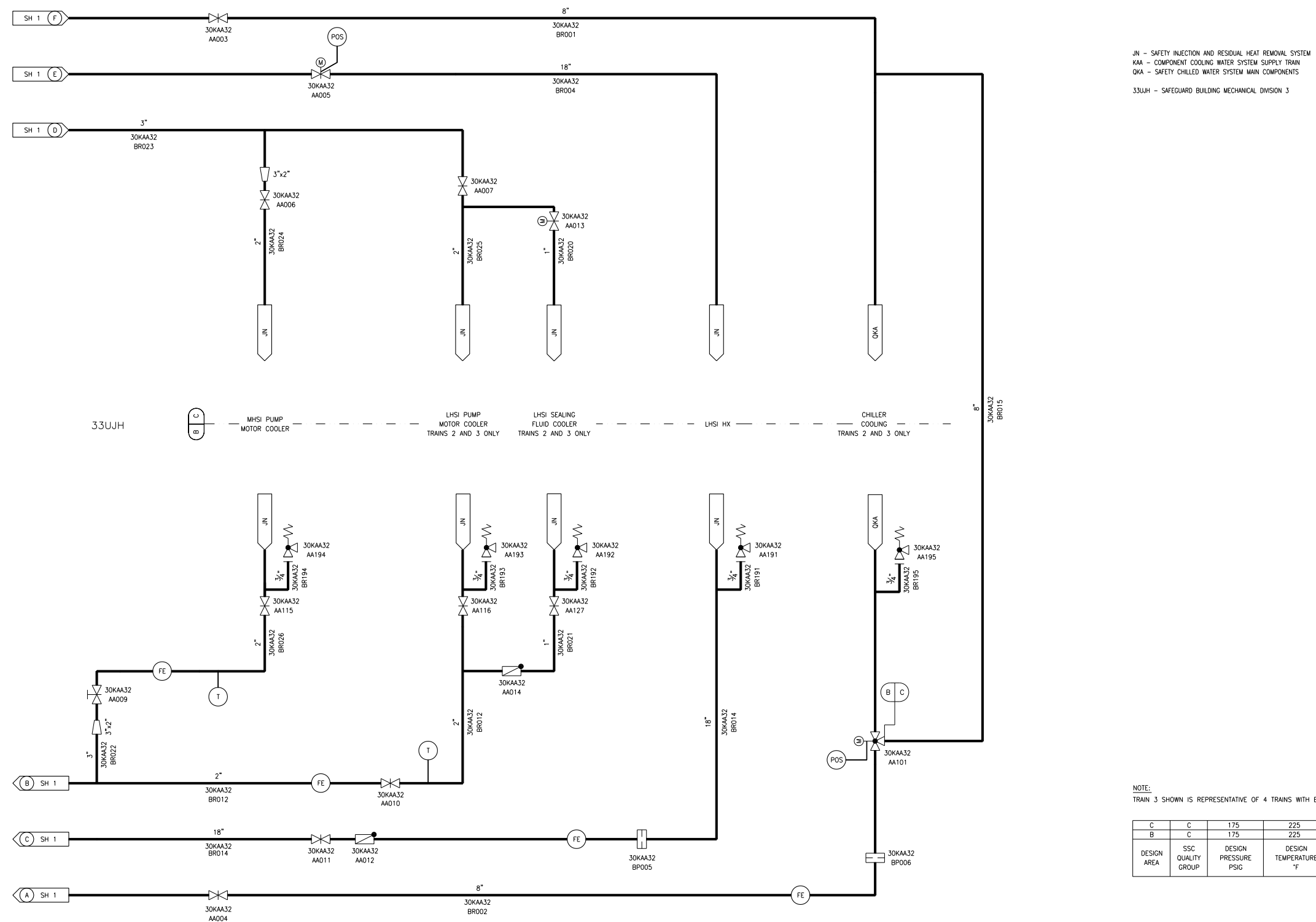
33UJH

NOTES:
 1. TRAIN 3 SHOWN IS REPRESENTATIVE OF 4 TRAINS WITH EXCEPTIONS NOTED.
 2. TRAINS 1 AND 4 SAFETY INJECTION SYSTEM COOLING EXCEPTION.

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

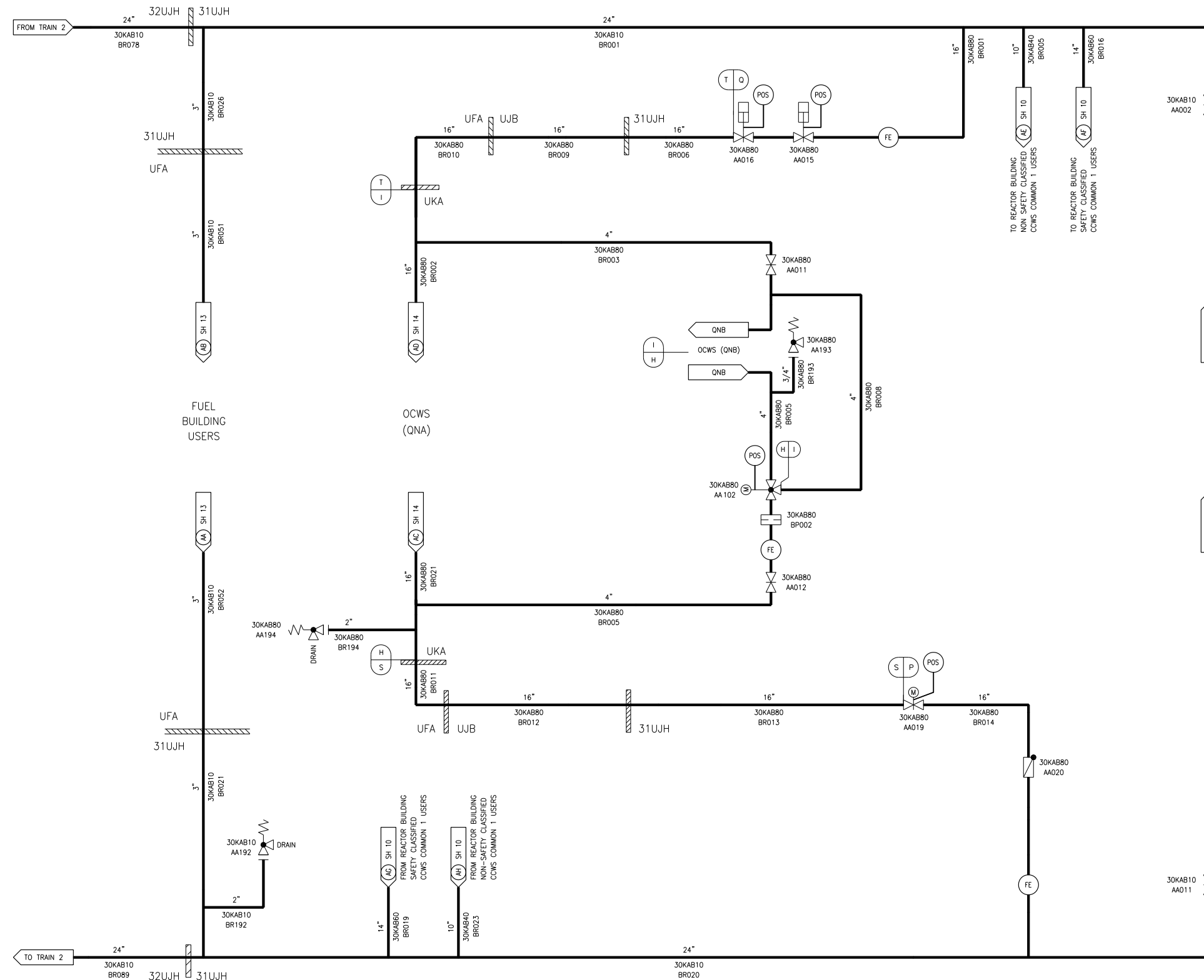
KAA01T2

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



KAA02T2

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



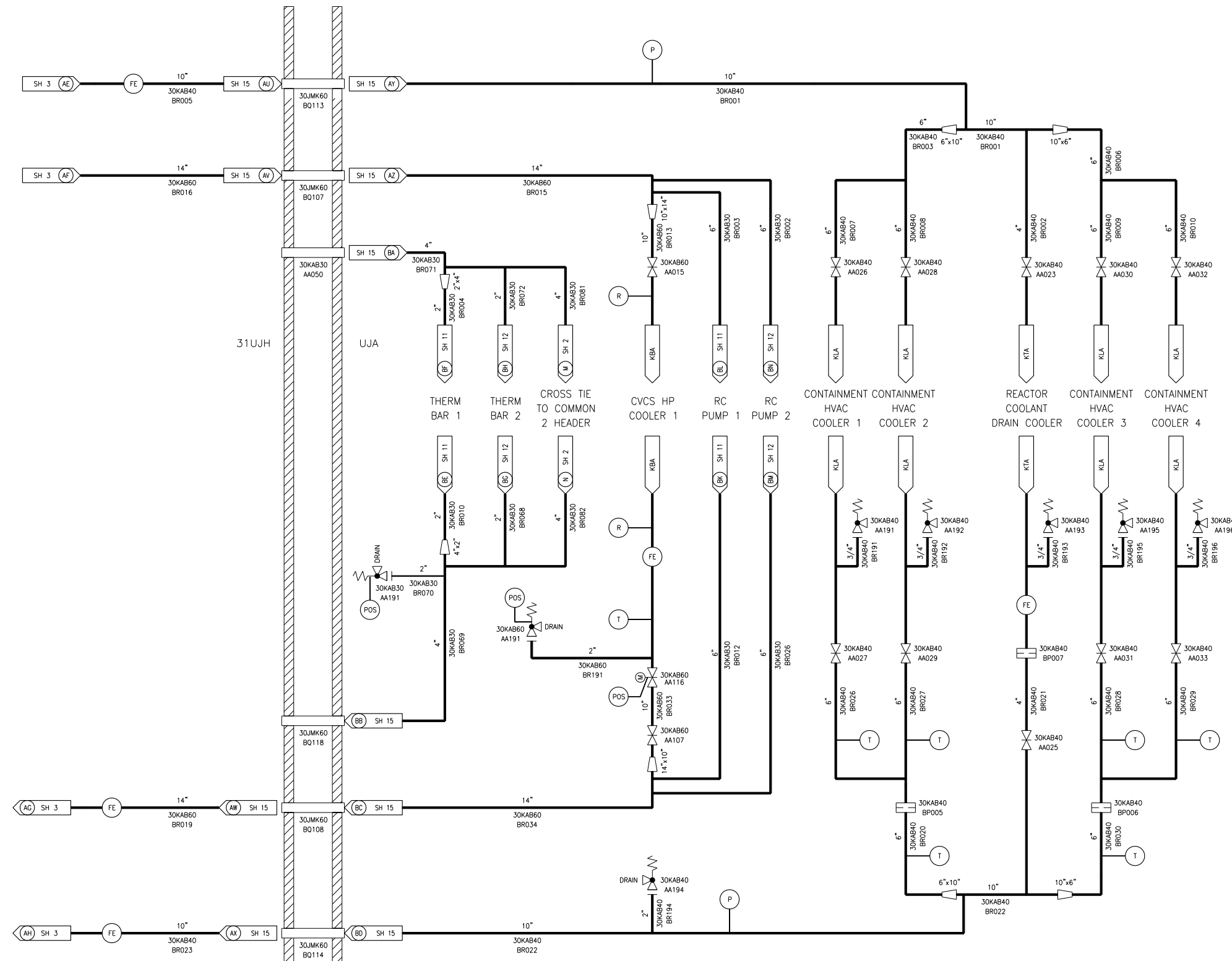
KAA - COMPONENT COOLING WATER SYSTEM SUPPLY TRAIN
 KAB - COMPONENT COOLING WATER SYSTEM COMMON HEADER
 ONA - OPERATIONAL CHILLED WATER SYSTEM
 ONB - OPERATIONAL CHILLED WATER SYSTEM FOR GASEOUS WASTE PROCESSING SYSTEM
 UFA - FUEL BUILDING
 UJB - REACTOR BUILDING ANNULUS
 UKA - NUCLEAR AUXILIARY BUILDING
 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
Q	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



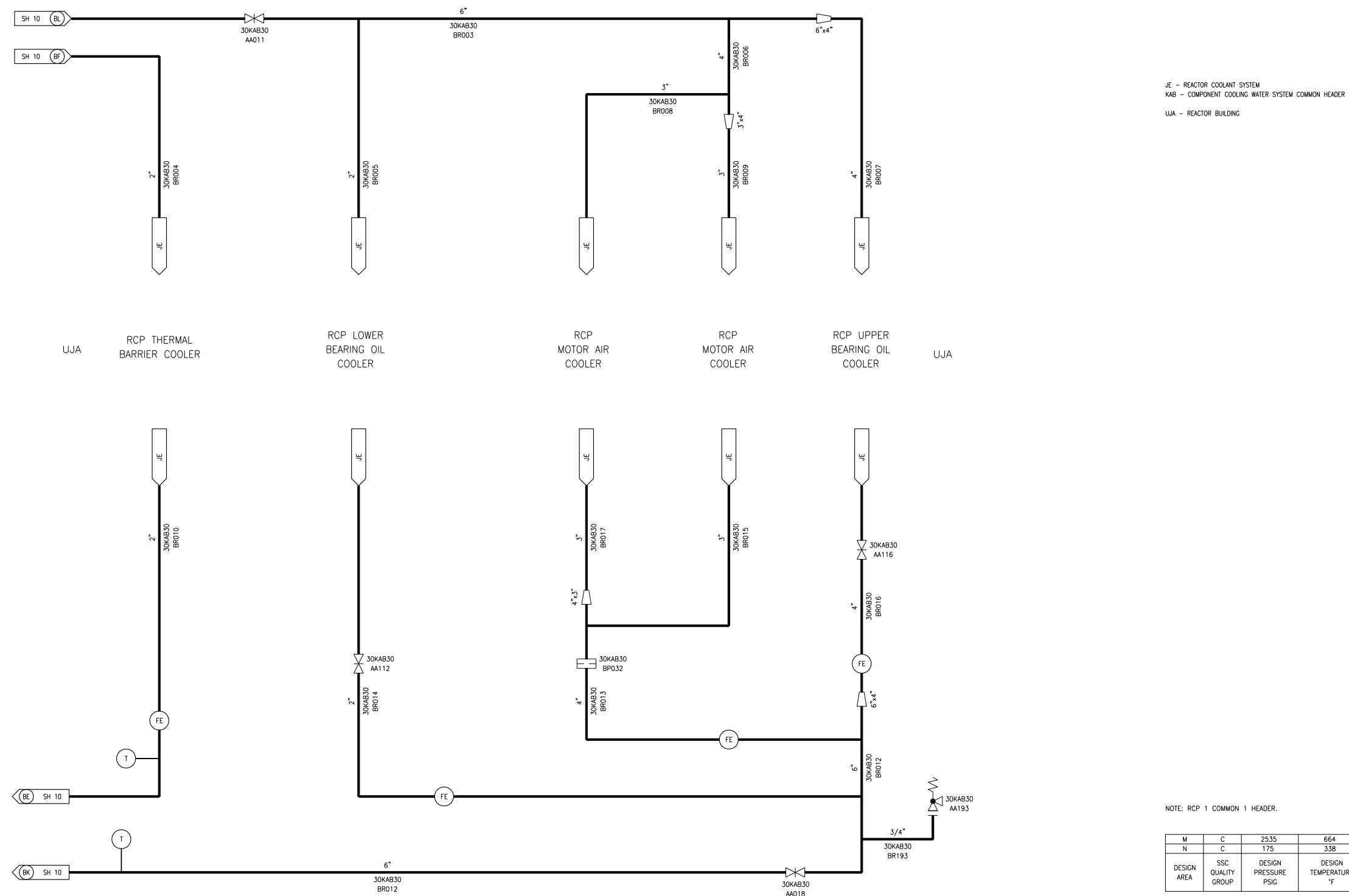
JMK - PIPING PENETRATIONS
 KAB - COMPONENT COOLING WATER SYSTEM COMMON HEADER
 KBA - VOLUME CONTROL SYSTEM
 KLA - CONTAINMENT BUILDING VENTILATION SYSTEM
 KTA - NUCLEAR ISLAND DRAIN AND VENT SYSTEMS - PRELIMINARY EFFLUENTS
 UJA - REACTOR BUILDING
 31UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 1

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

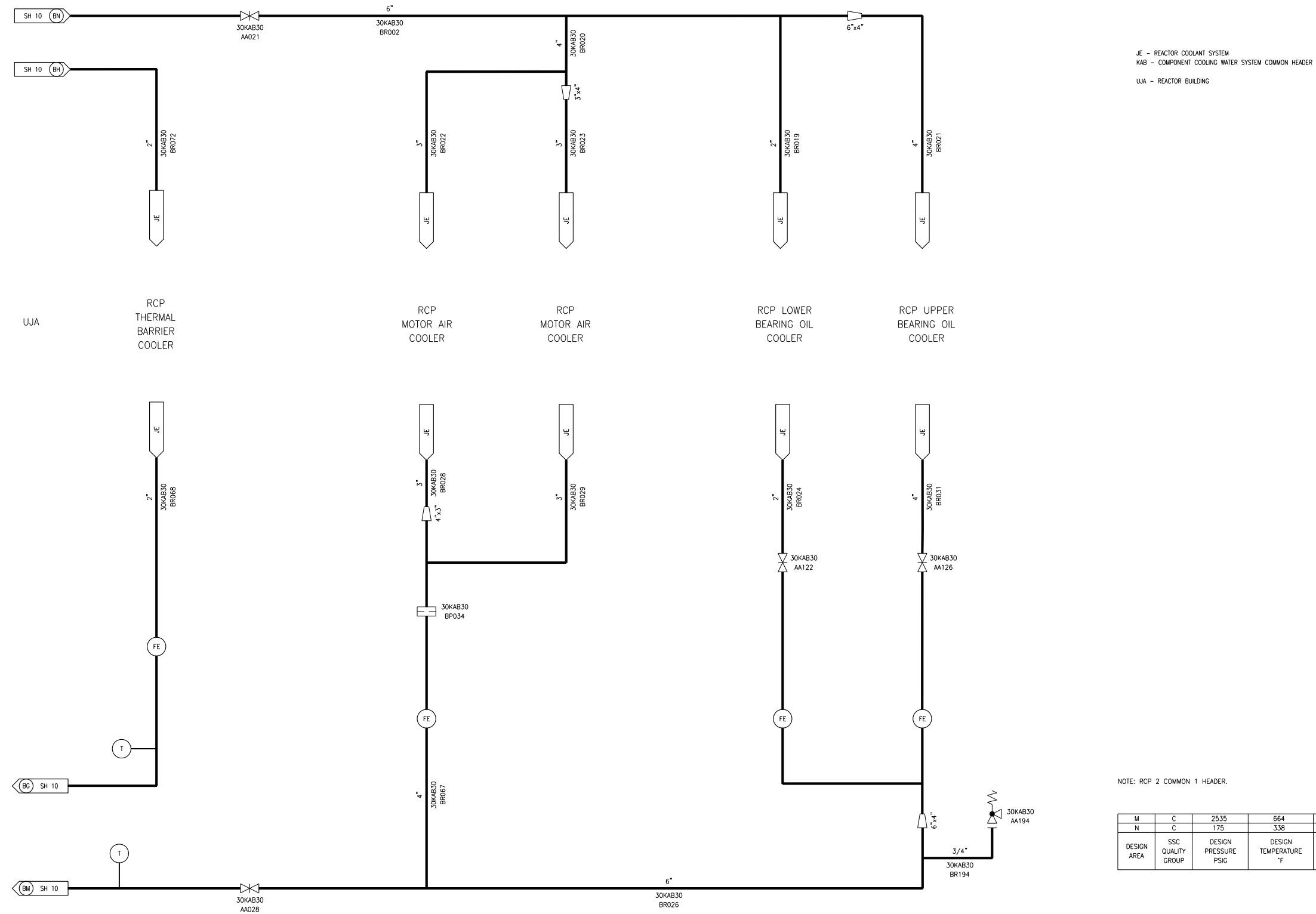
KAB10T2

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



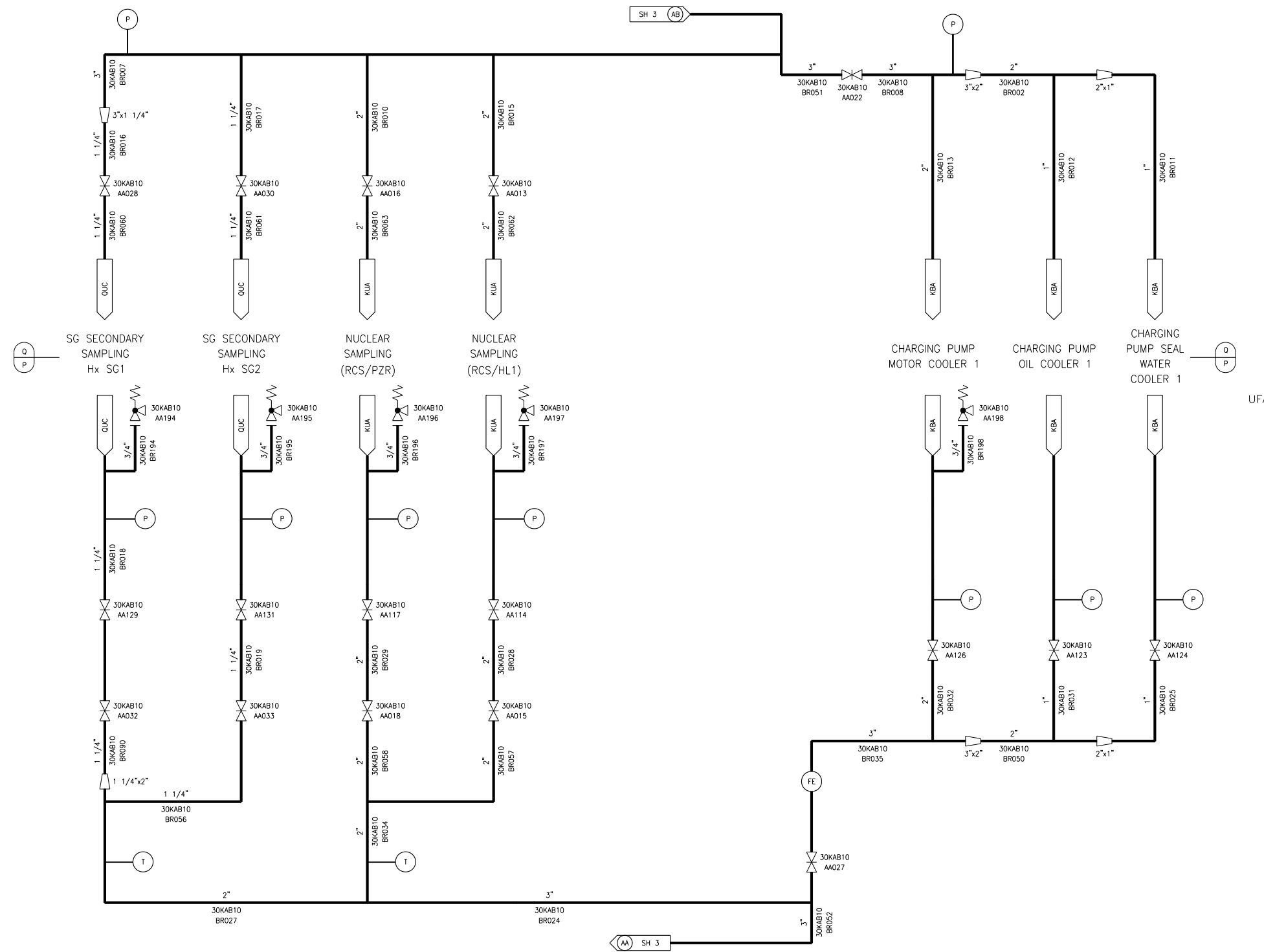
KAB11T2

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
Sheet 5 of 7



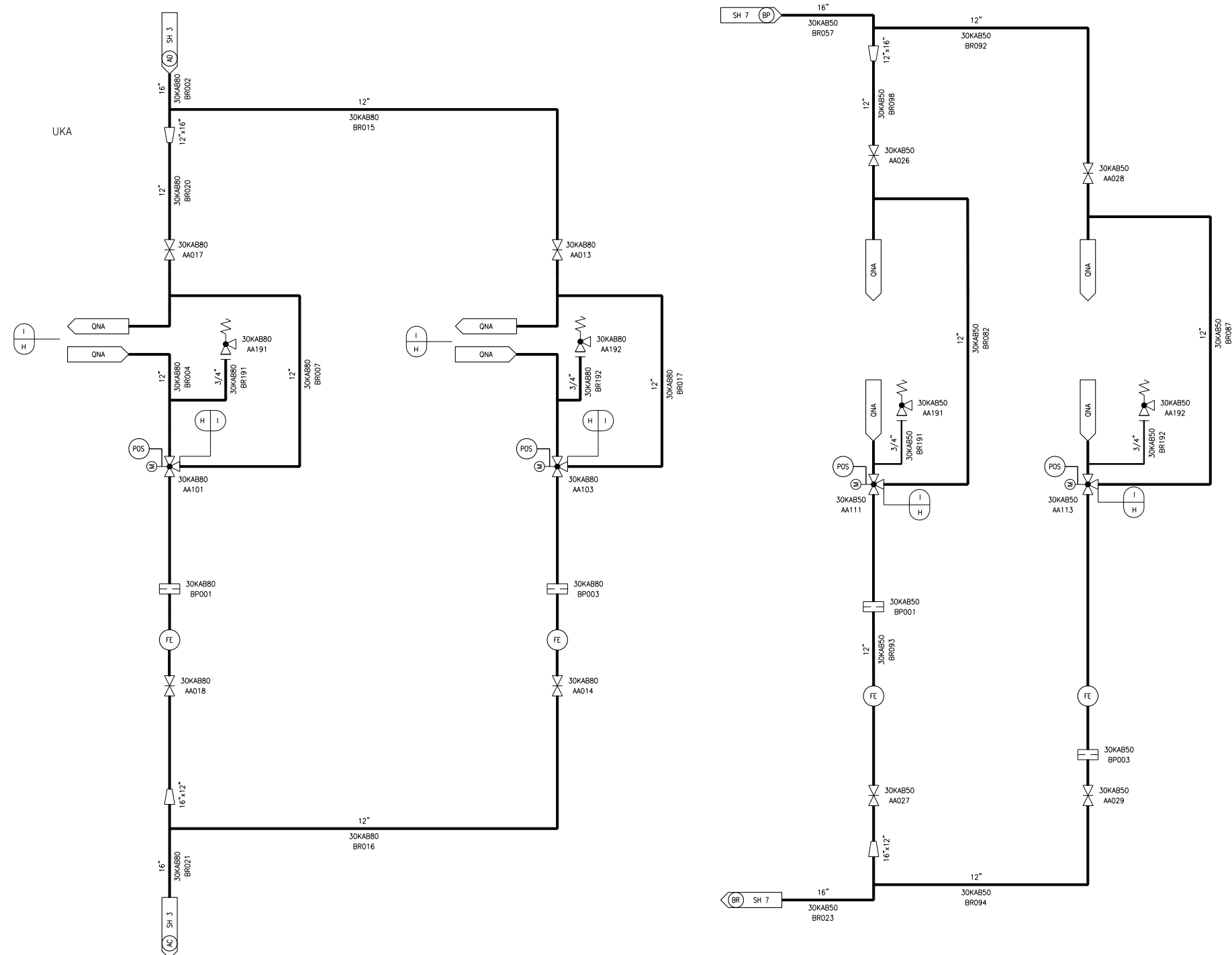
KAB - COMPONENT COOLING WATER SYSTEM COMMON HEADER
 KBA - VOLUME CONTROL SYSTEM
 KUA - NUCLEAR SAMPLING SYSTEM - ACTIVE LIQUID SAMPLES
 QUC - SAMPLING SYSTEM FOR STEAM GENERATOR BLOWDOWN SYSTEM
 UFA - FUEL BUILDING

NOTE: COMMON 1 HEADER FB USERS.

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

KAB13T2

Figure 9.2.2-2—Component Cooling Water System Common Loop 1
Sheet 6 of 7



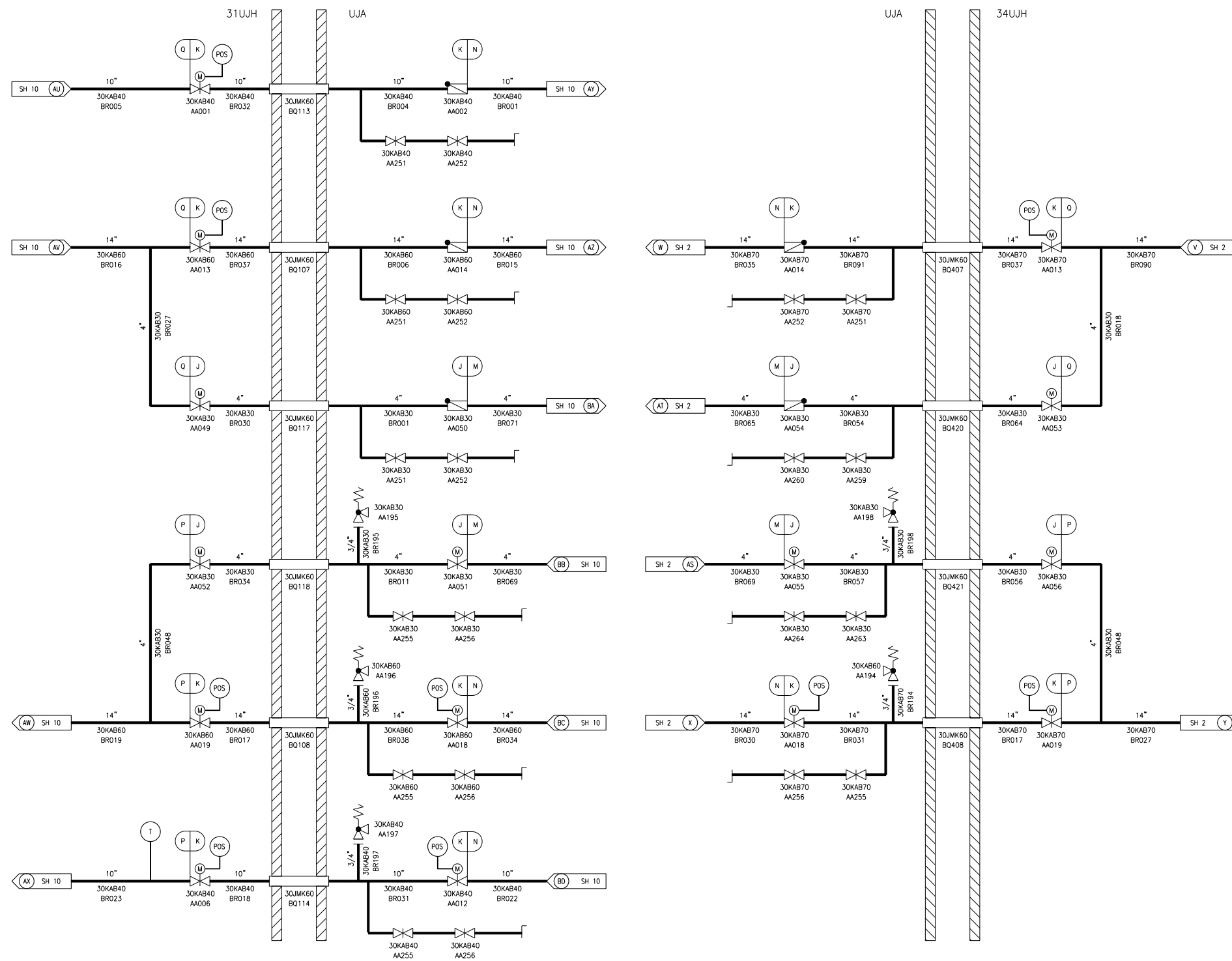
KAB - COMPONENT COOLING WATER SYSTEM COMMON HEADER
QNA - OPERATIONAL CHILLED WATER SYSTEM
UKA - NUCLEAR AUXILIARY BUILDING

NOTE:
COMMON 1 AND 2 HEADER OCWS USERS.

I	E	175	225	NSC
H	E	175	225	NSC
DESIGN AREA	SSC QUALITY GROUP	DESIGN PRESSURE PSIG	DESIGN TEMPERATURE °F	SSC SEISMIC CLASS

KAB14T2

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



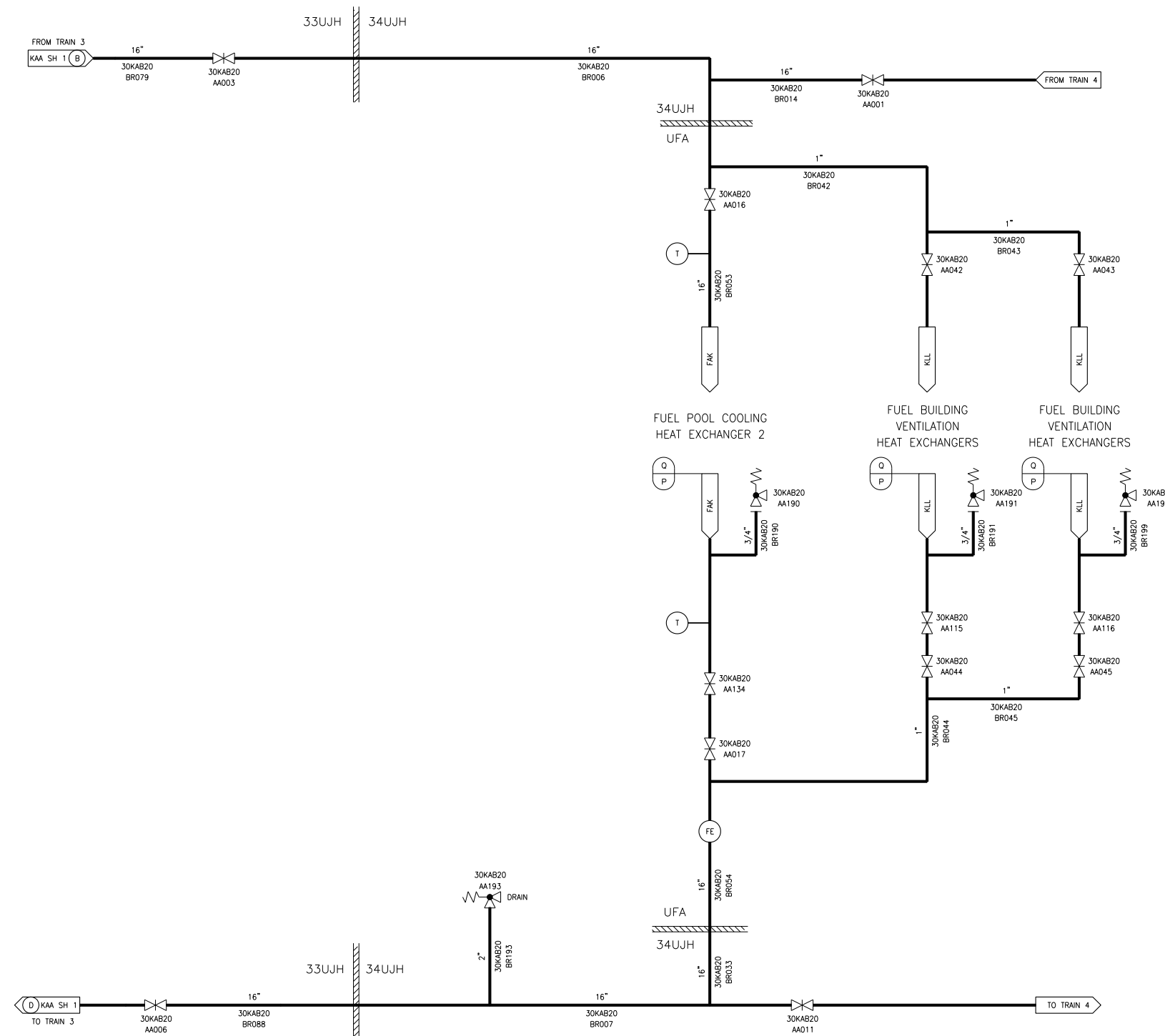
JMK - PIPING PENETRATIONS
 KAB - COMPONENT COOLING WATER SYSTEM COMMON HEADER
 UJA - REACTOR BUILDING
 31UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 1
 34UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 4

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



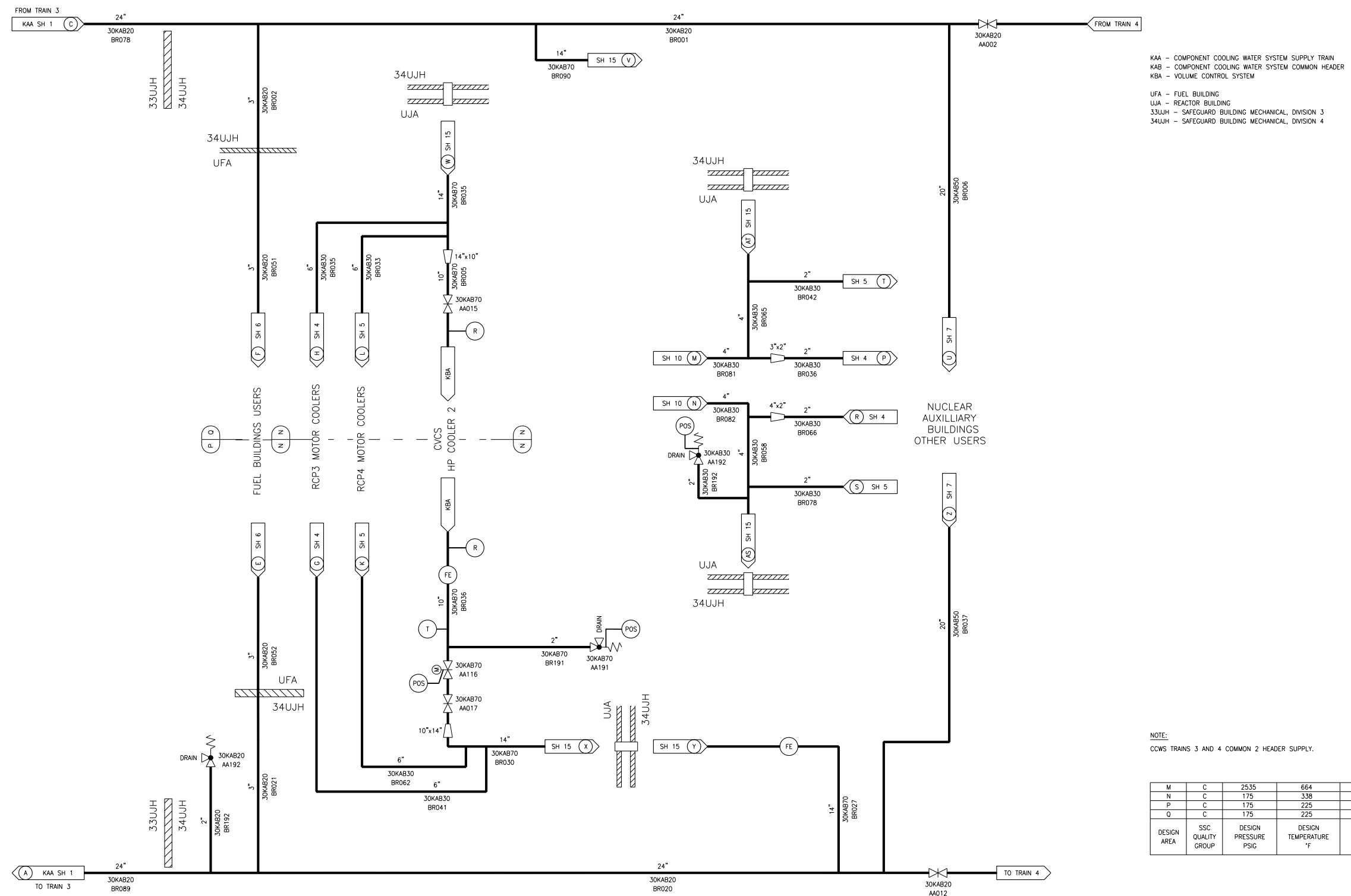
FAK - FUEL POOL COOLING SYSTEM
 KAA - COMPONENT COOLING WATER SYSTEM SUPPLY TRAIN
 KAB - COMPONENT COOLING WATER SYSTEM COMMON HEADER
 KLL - FUEL BUILDING VENTILATION SYSTEM
 UFA - FUEL BUILDING
 33UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 3
 34UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 4

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

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

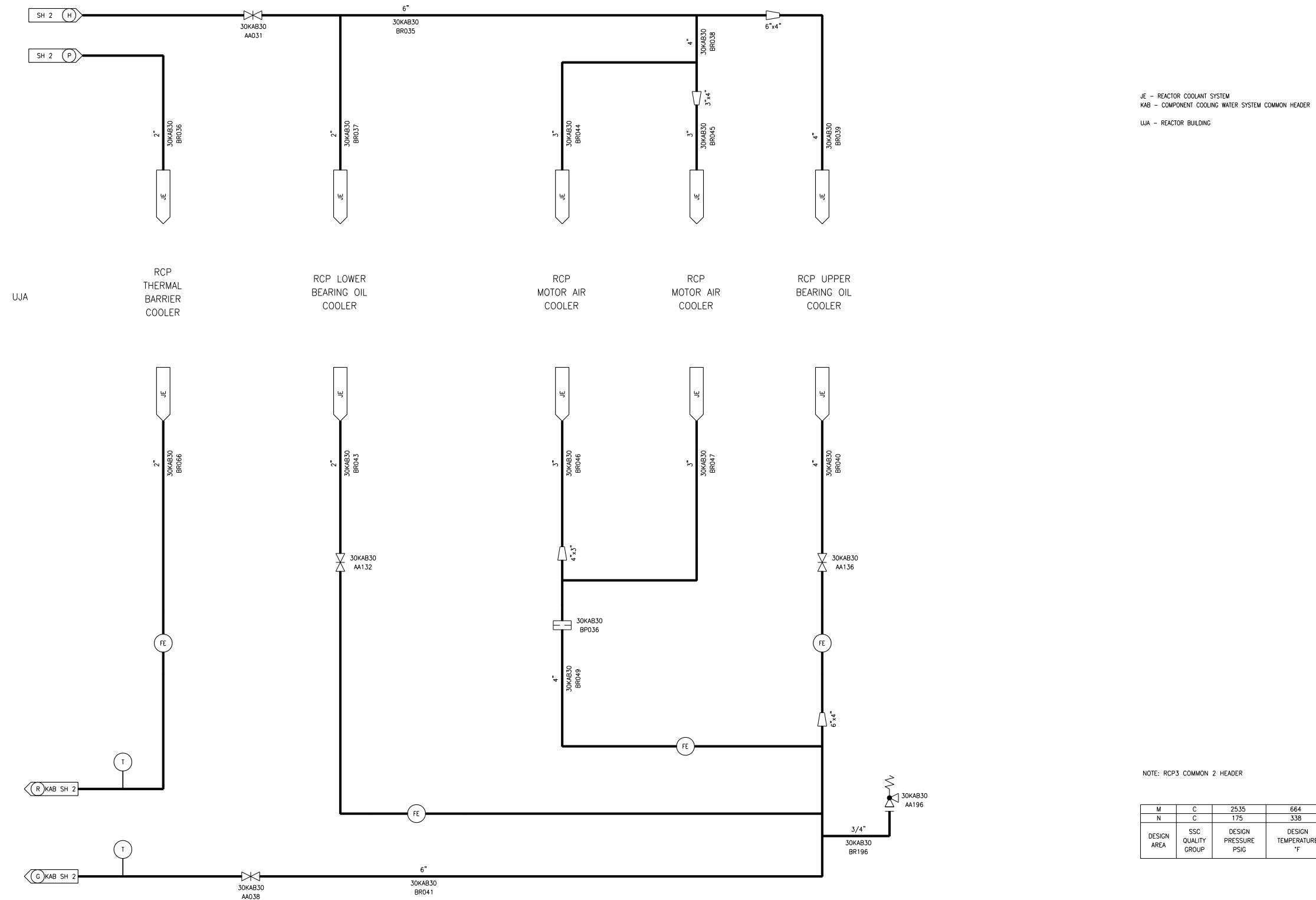
KAB01T2

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



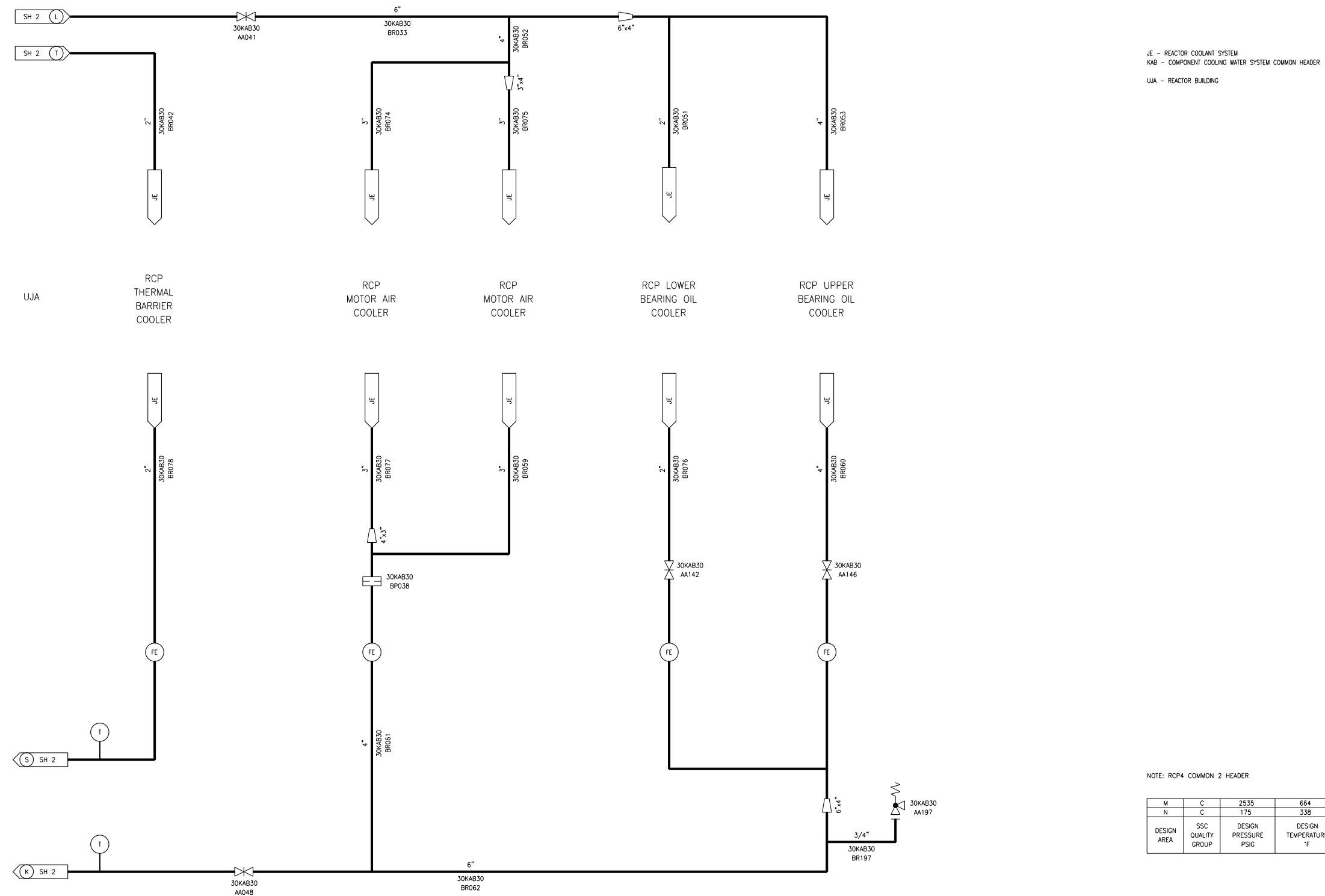
KAB02T2

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



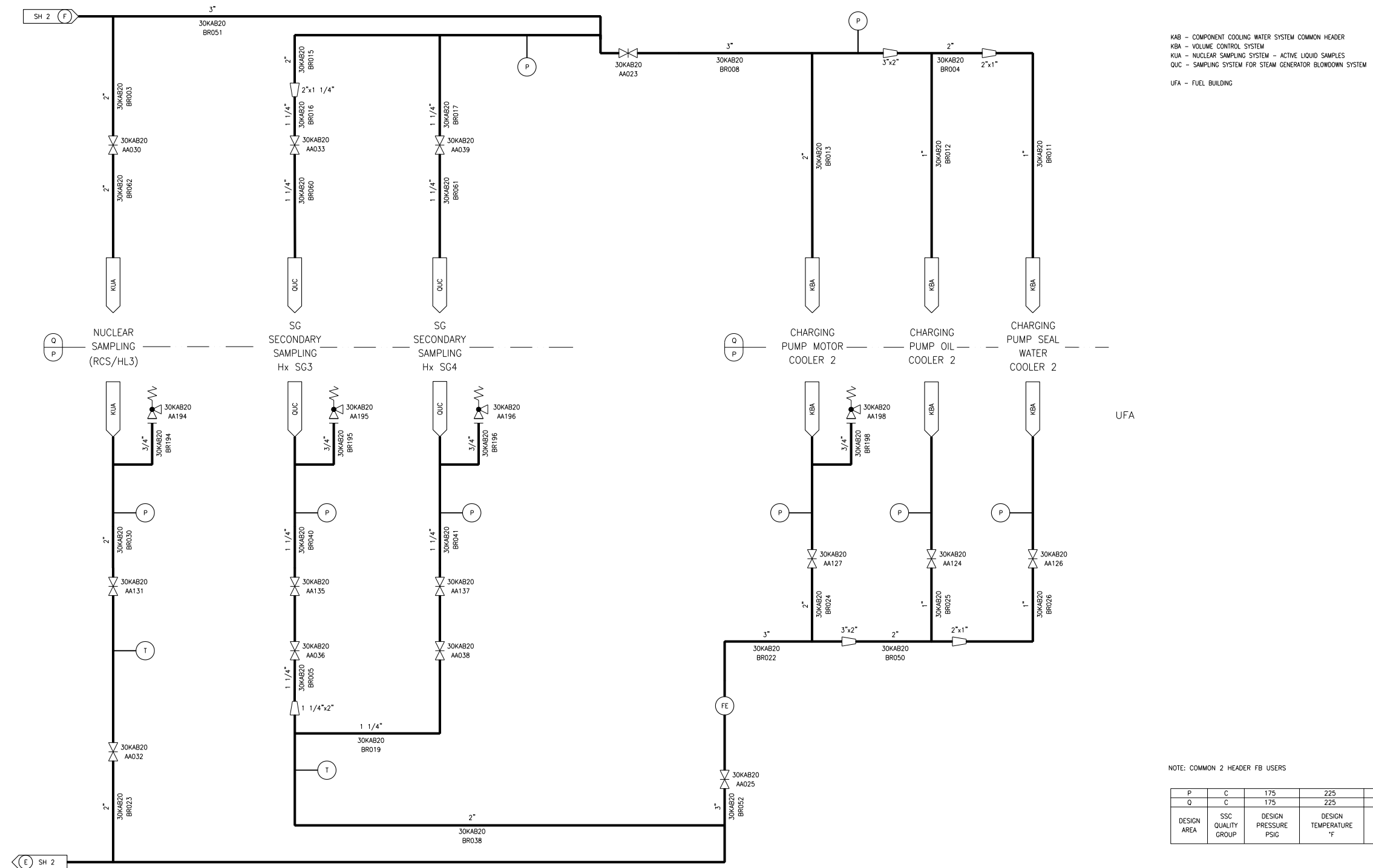
KAB04T2

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



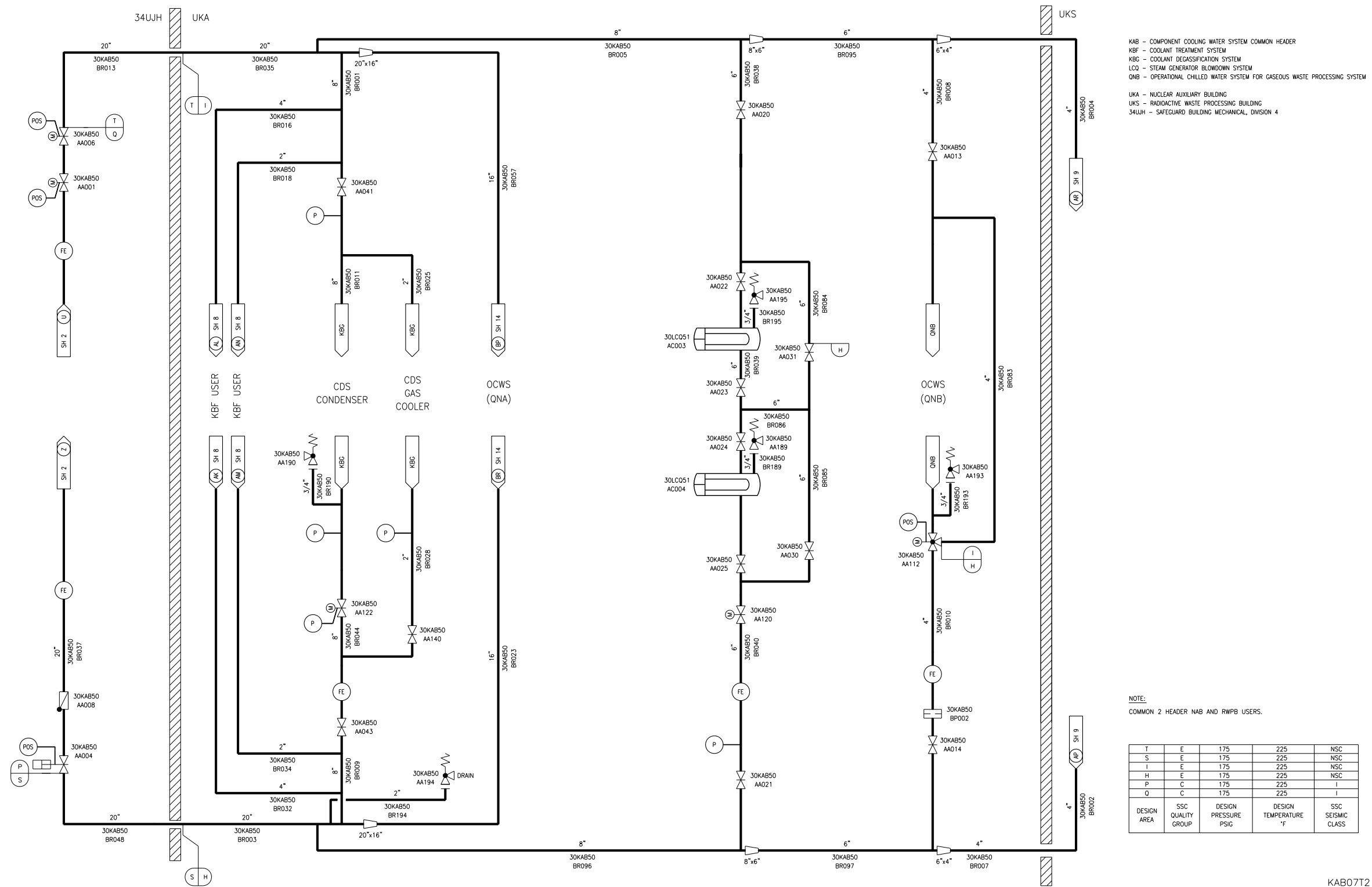
KAB05T2

Figure 9.2.2-3—Component Cooling Water System Common Loop 2
Sheet 5 of 8



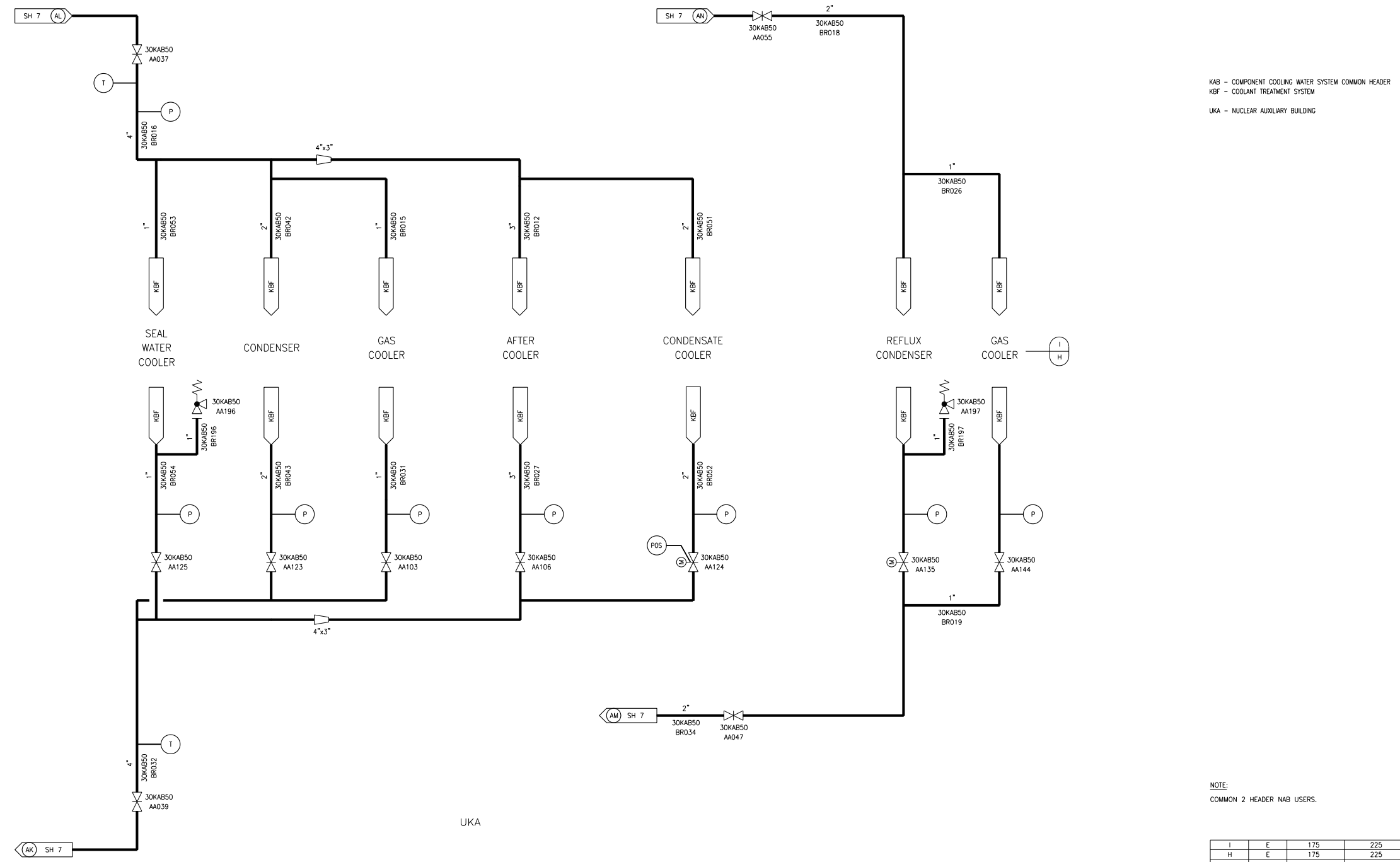
KAB06T2

Figure 9.2.2-3—Component Cooling Water System Common Loop 2
Sheet 6 of 8



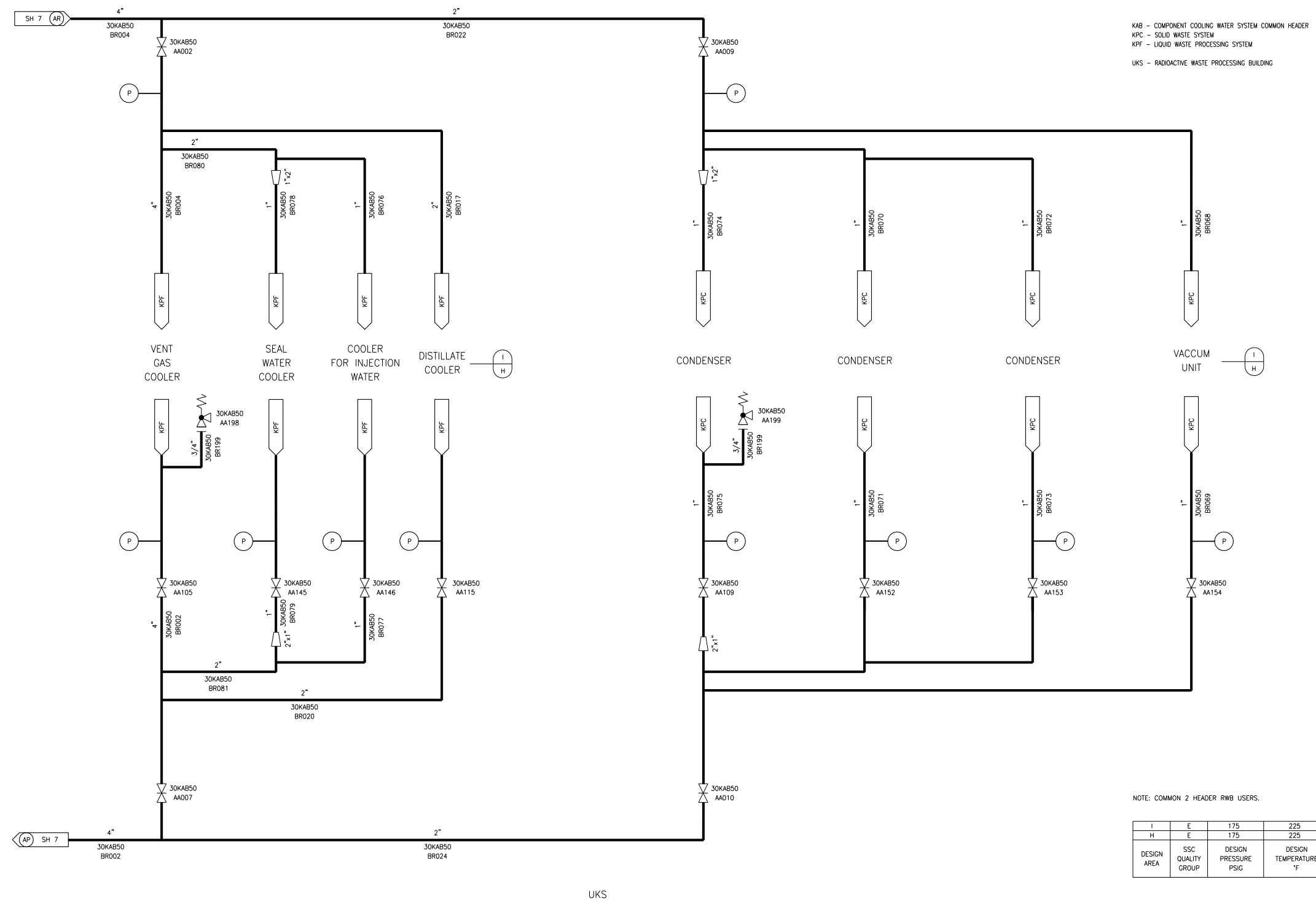
KAB07T2

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



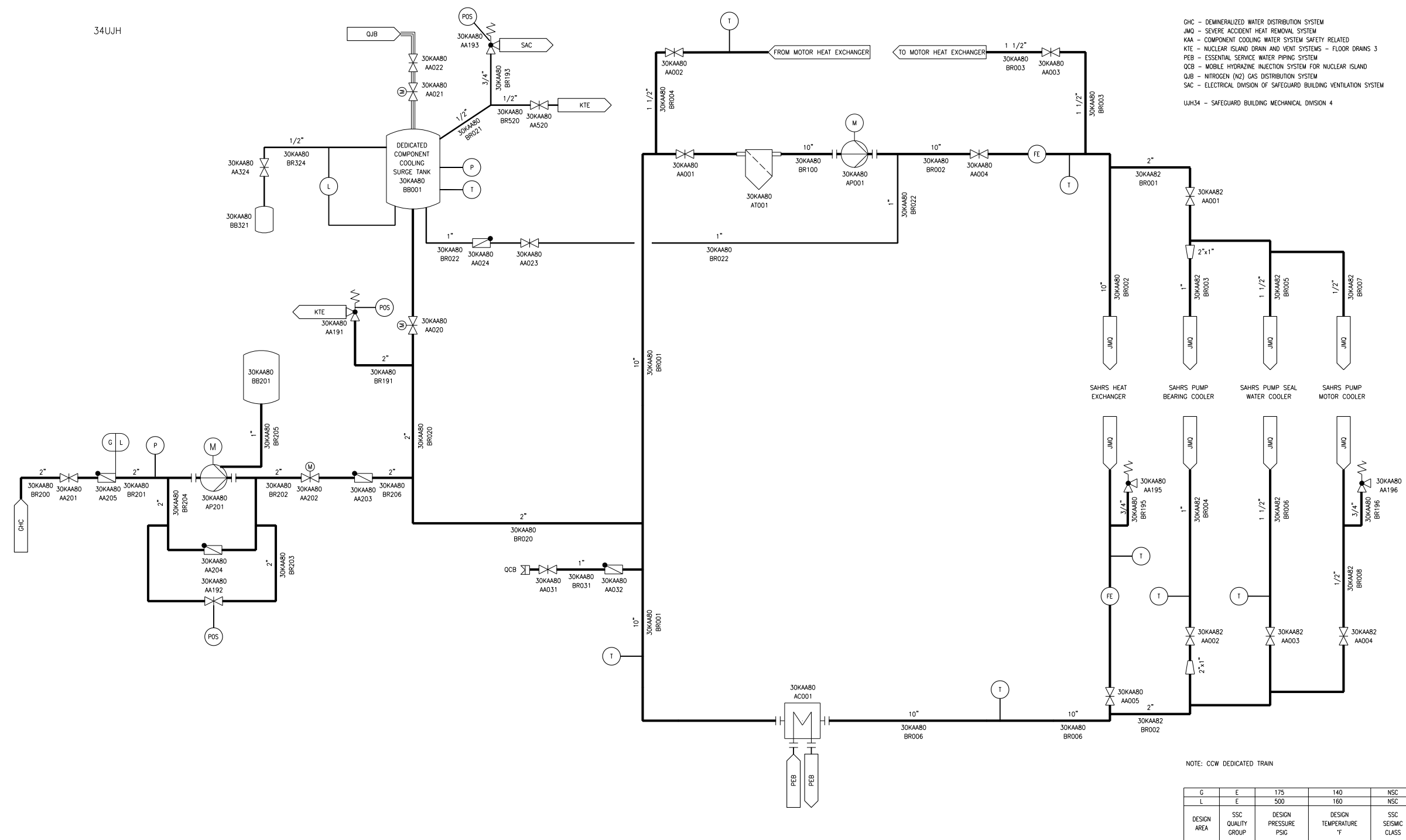
KAB08T2

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



KAB09T2

Figure 9.2.2-4—Component Cooling Water System Dedicated CCWS Trains



KAA03T2