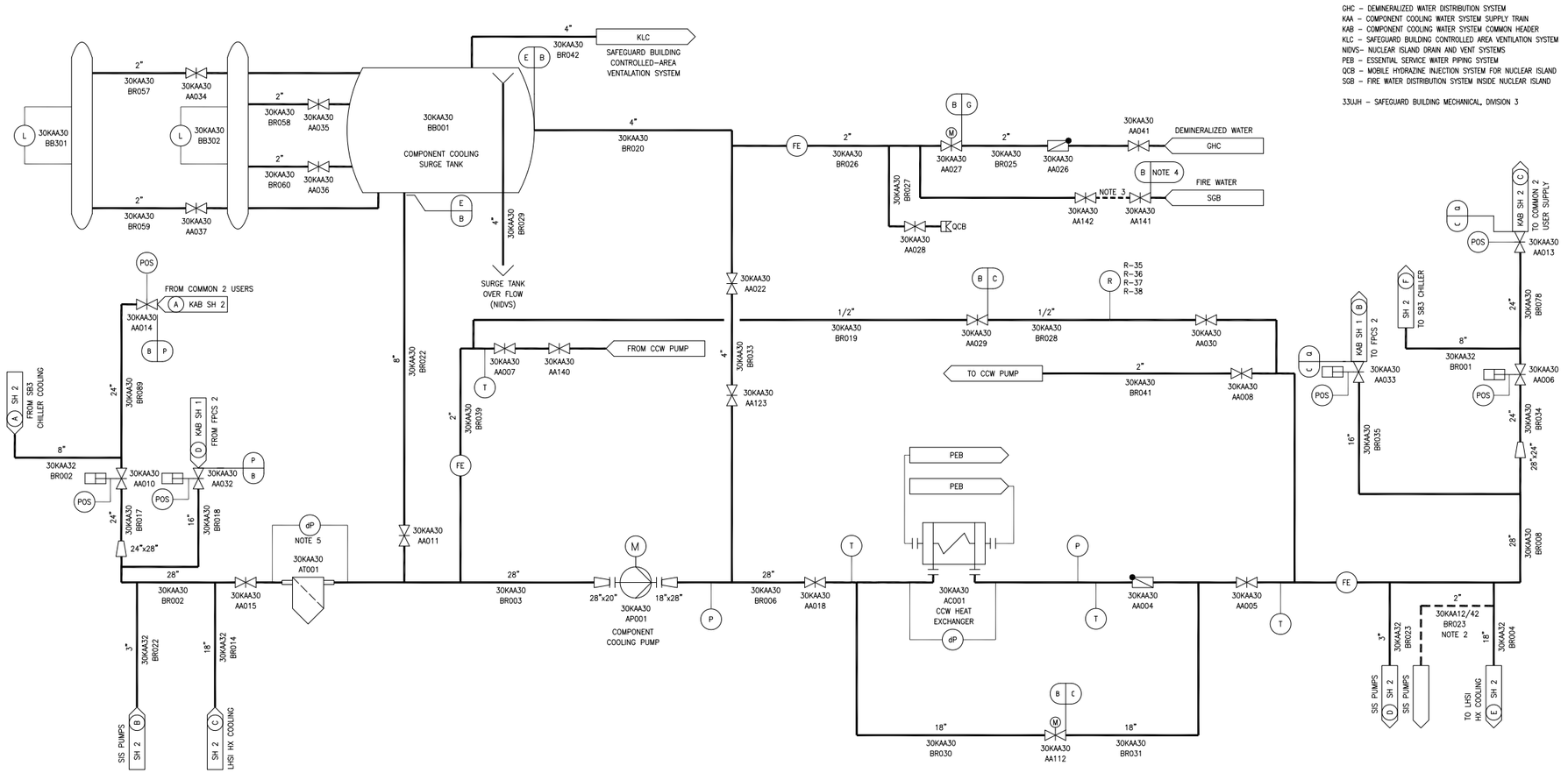
Figure 9.2.2-1—Component Cooling Water System Trains 1 through 4
Sheet 1 of 2



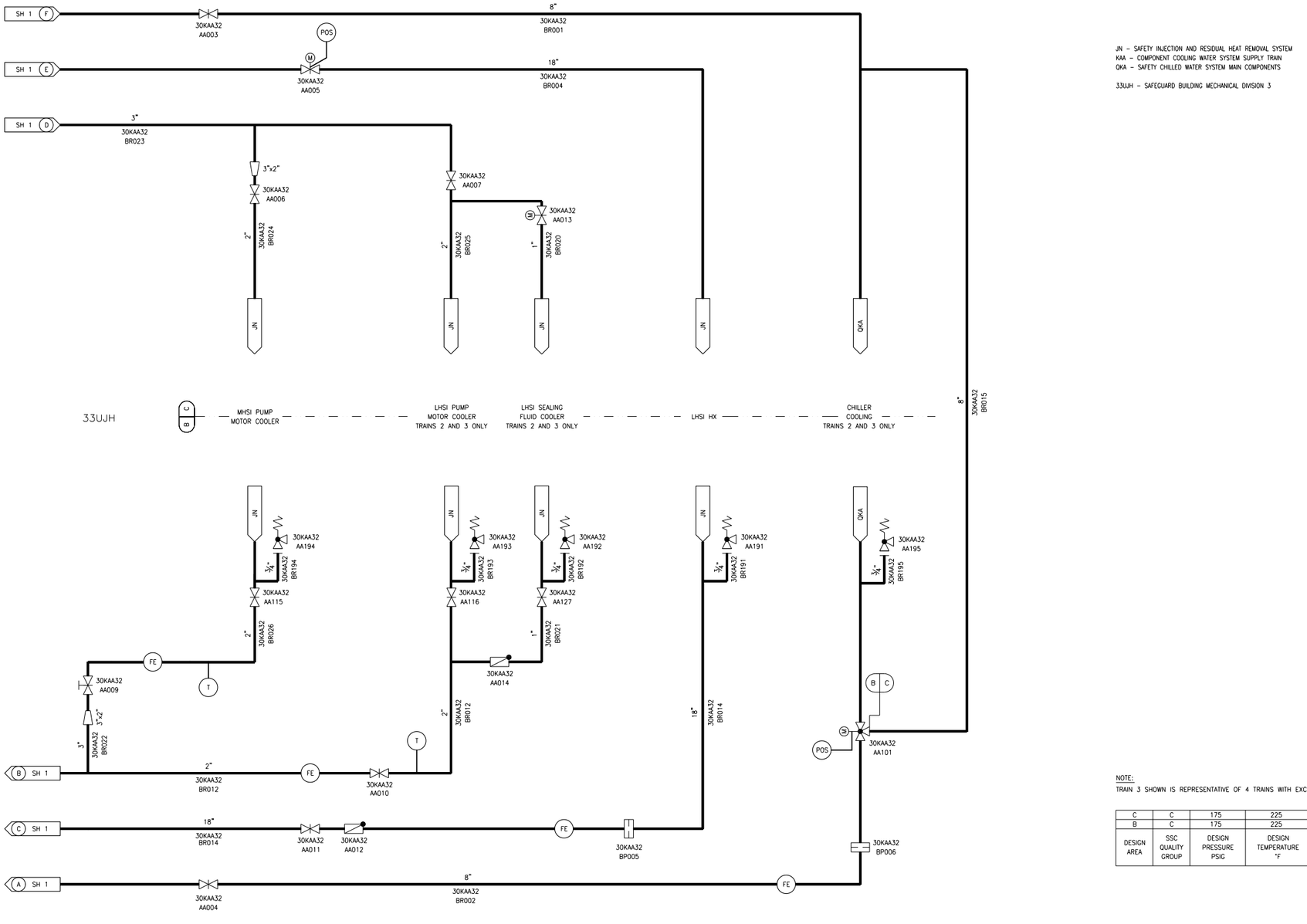
33UJH

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.
4. FIRE WATER PIPING CONNECTION IS SEISMIC II.
5. STRAINER AND dP INSTRUMENTATION TO BE REMOVED AFTER COMMISSIONING.

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

REV 003
KAA01T2

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



JN – SAFETY INJECTION AND RESIDUAL HEAT REMOVAL SYSTEM
KAA – COMPONENT COOLING WATER SYSTEM SUPPLY TRAIN
QKA – SAFETY CHILLED WATER SYSTEM MAIN COMPONENTS

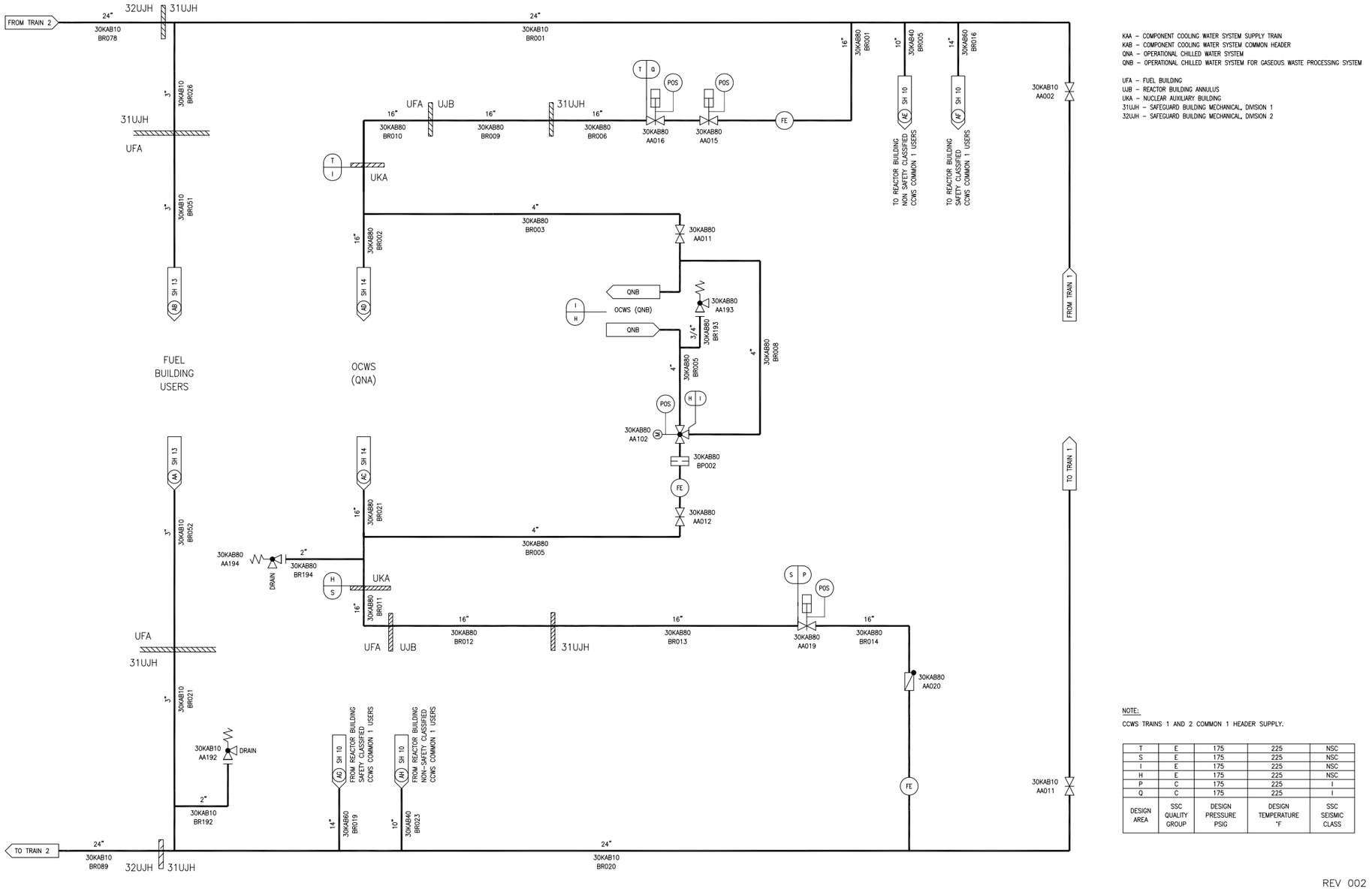
33UJH – SAFEGUARD BUILDING MECHANICAL DIVISION 3

NOTE:
TRAIN 3 SHOWN IS REPRESENTATIVE OF 4 TRAINS WITH EXCEPTIONS NOTED.

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

KAA02T2

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



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

REV 002
KAB03T2

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

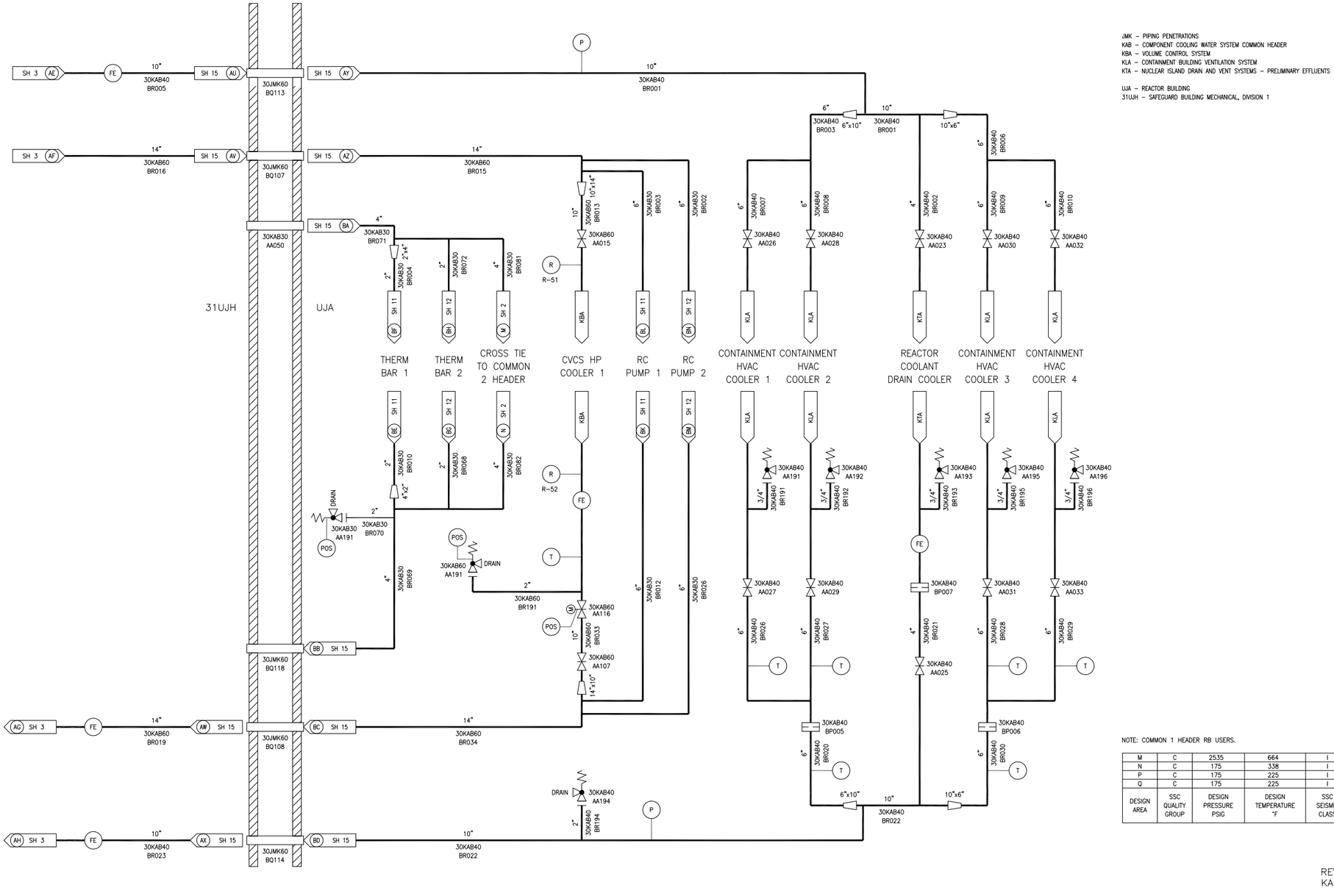
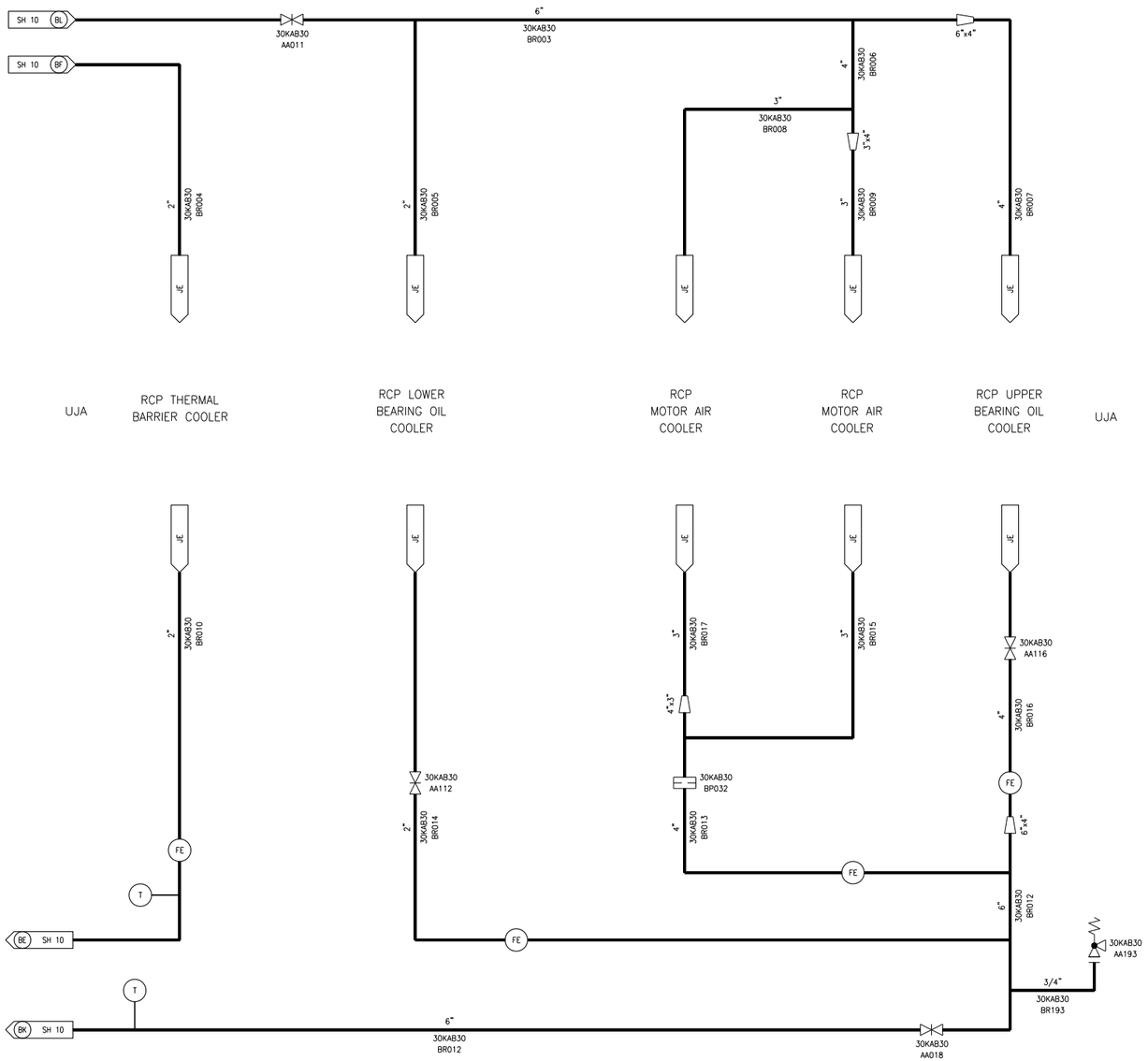


Figure 9.2.2-2—Component Cooling Water System Common Loop 1
Sheet 3 of 7



JE – REACTOR COOLANT SYSTEM
KAB – COMPONENT COOLING WATER SYSTEM COMMON HEADER

UJA – REACTOR BUILDING

NOTE: RCP 1 COMMON 1 HEADER.

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

KAB11T2

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

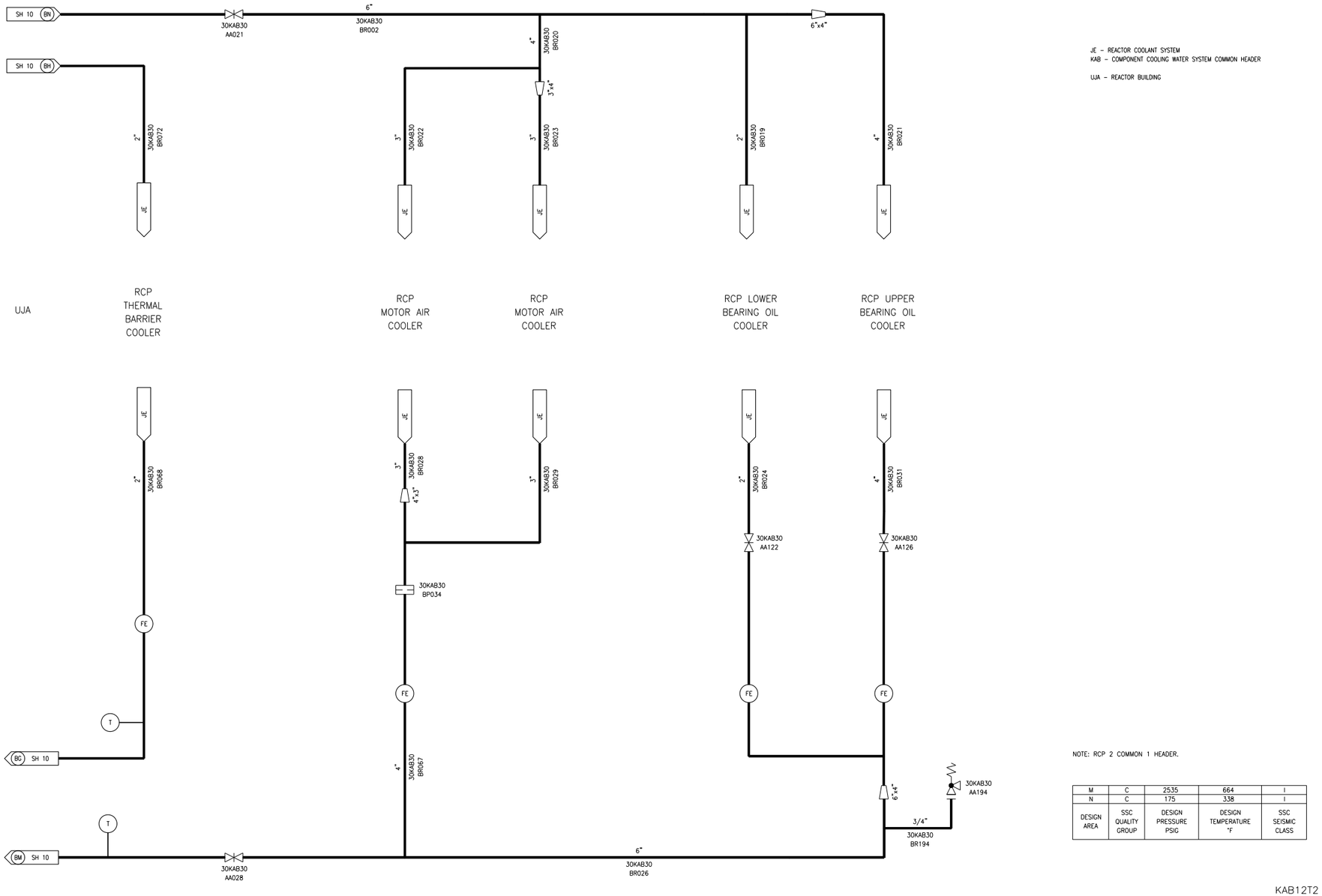


Figure 9.2.2-2—Component Cooling Water System Common Loop 1
Sheet 5 of 7

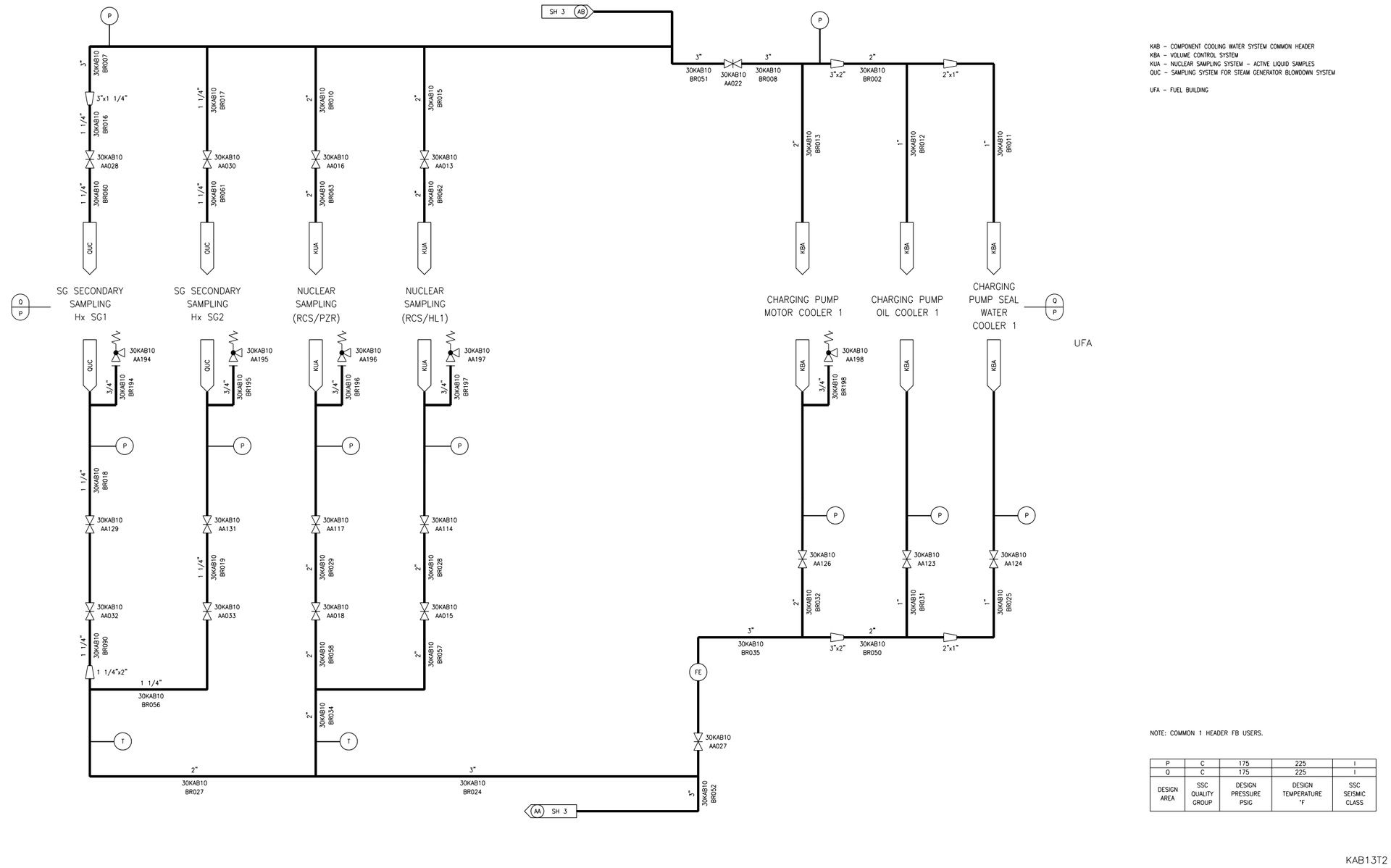


Figure 9.2.2-2—Component Cooling Water System Common Loop 1
Sheet 6 of 7

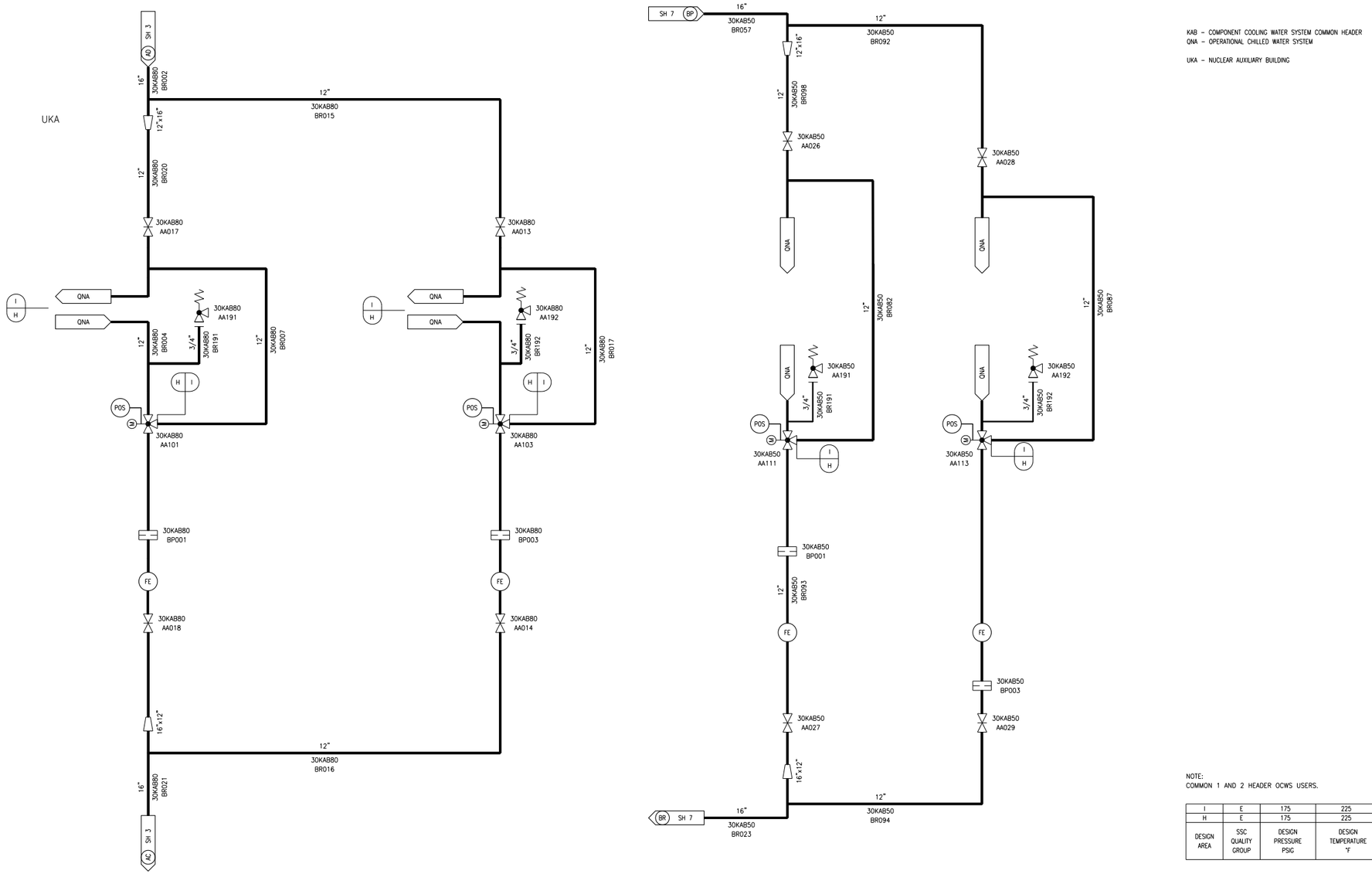
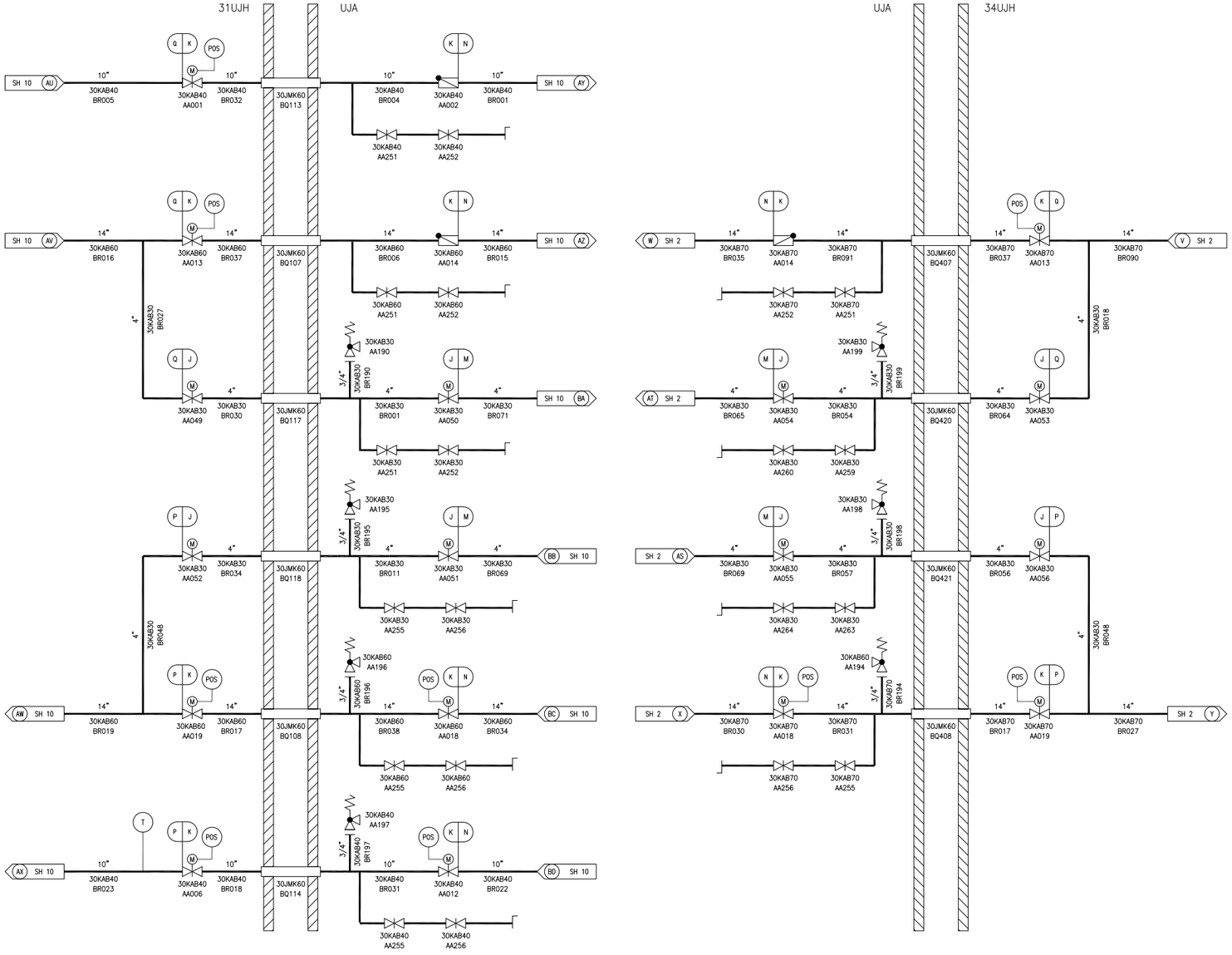


Figure 9.2.2-2—Component Cooling Water System Common Loop 1
Sheet 7 of 7



JMK – PIPING PENETRATIONS
KAB – COMPONENT COOLING WATER SYSTEM COMMON HEADER

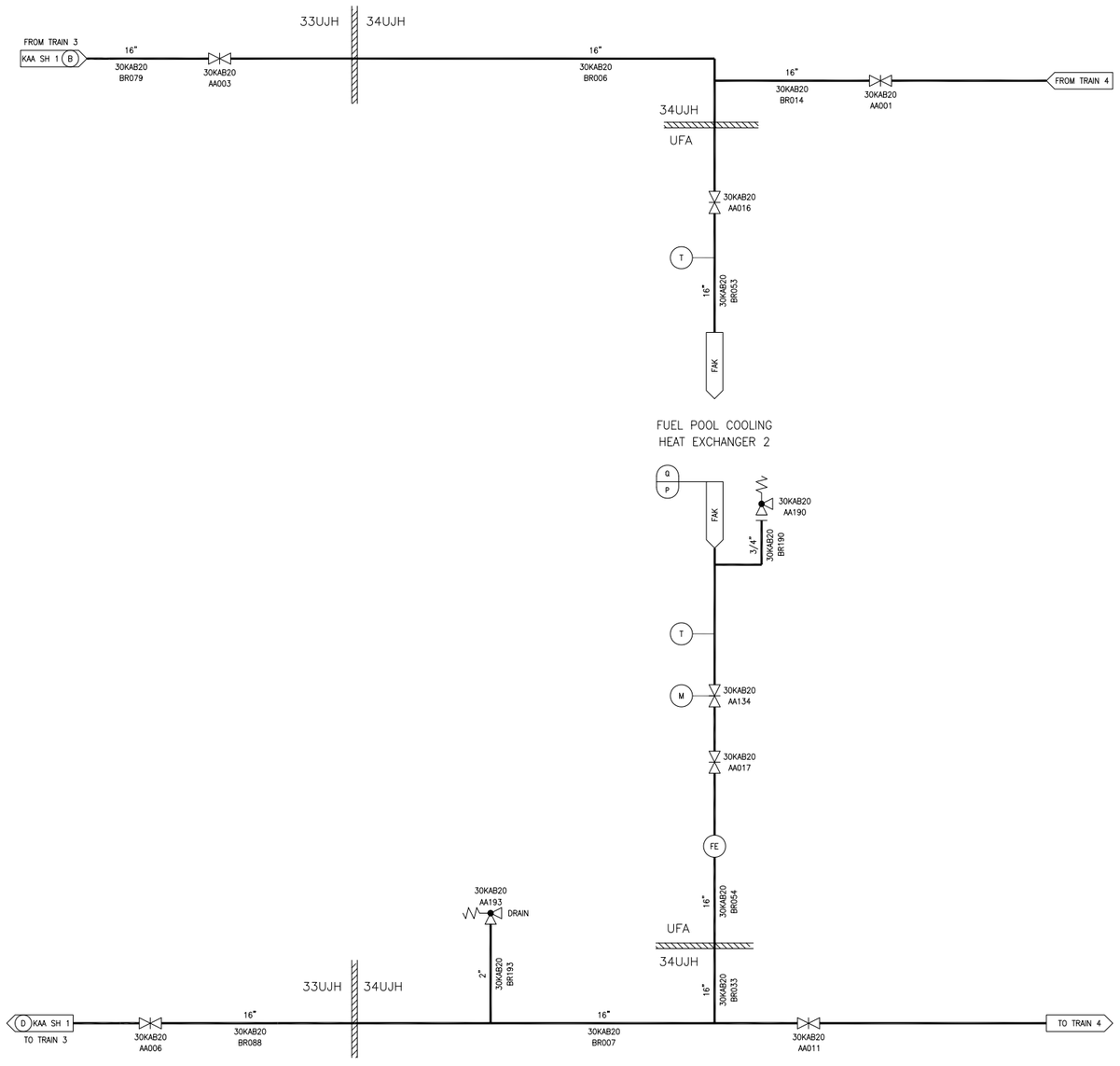
UJA – REACTOR BUILDING
31UJH – SAFEGUARD BUILDING MECHANICAL, DIVISION 1
34UJH – SAFEGUARD BUILDING MECHANICAL, DIVISION 4

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

REV 003
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

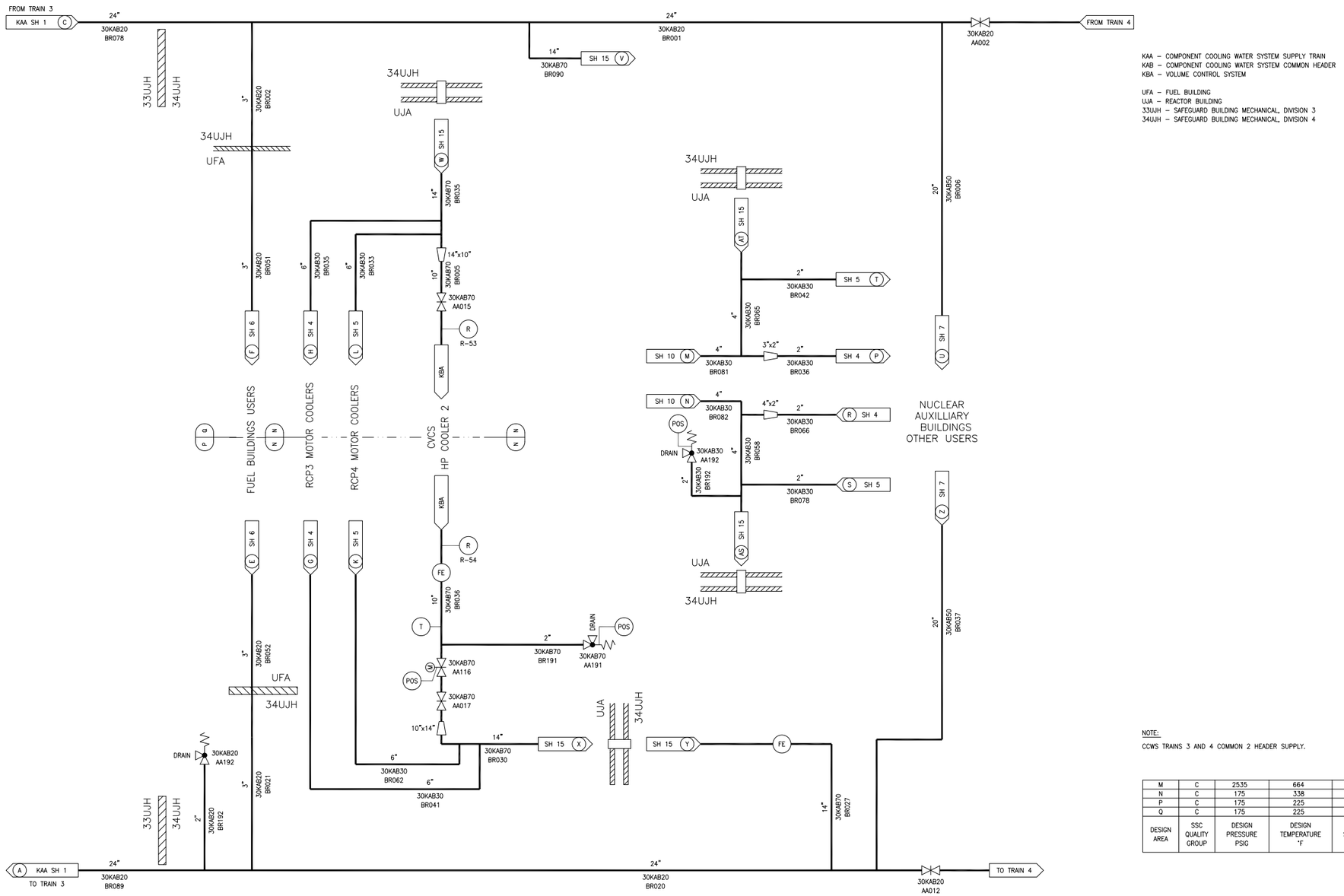
NOTE:

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

REV 002
KAB01T2

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

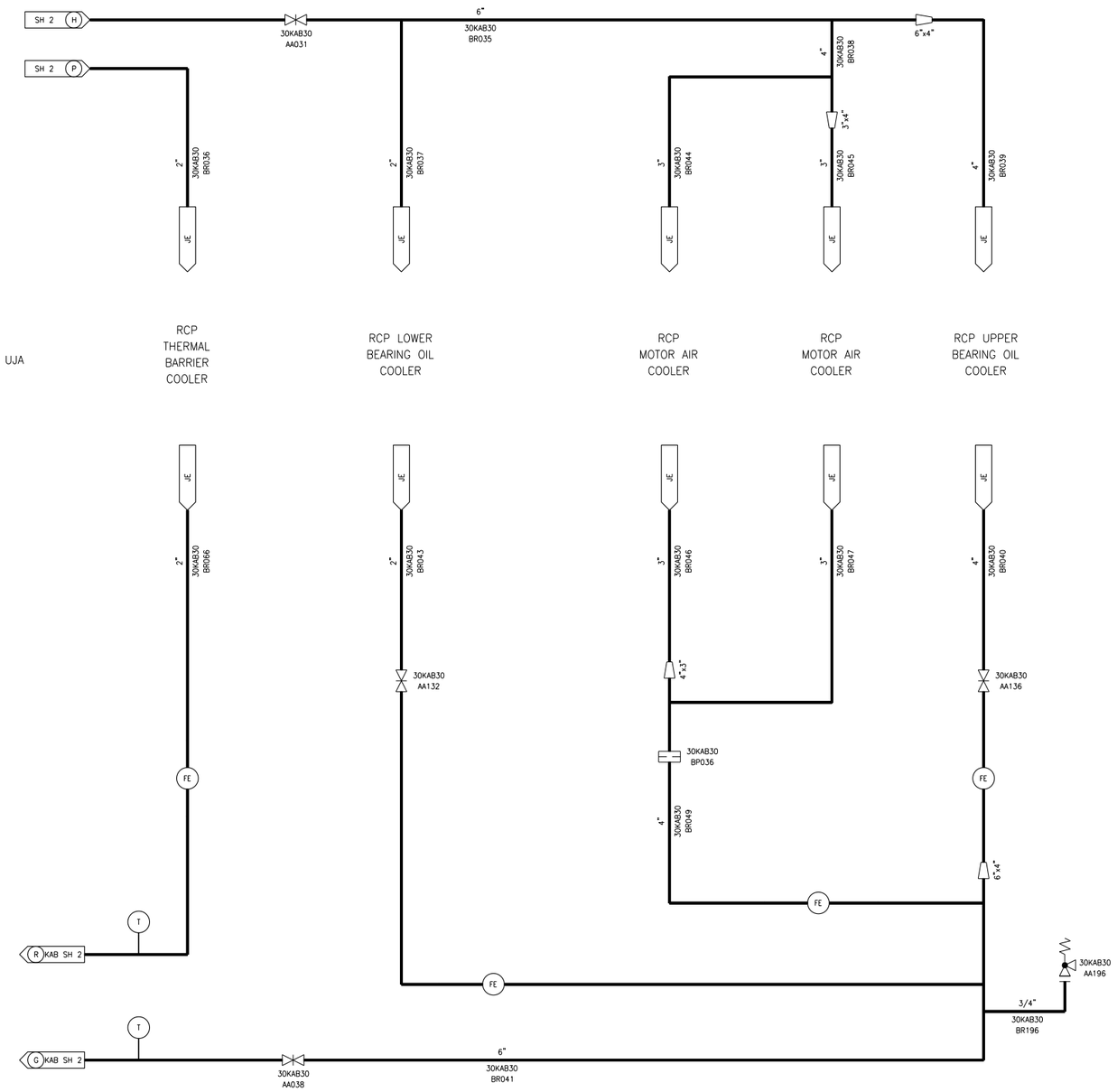


NOTE:
CCWS TRAINS 3 AND 4 COMMON 2 HEADER SUPPLY.

M	C	2535	664	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

REV 003
KAB02T2

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



JE – REACTOR COOLANT SYSTEM
KAB – COMPONENT COOLING WATER SYSTEM COMMON HEADER

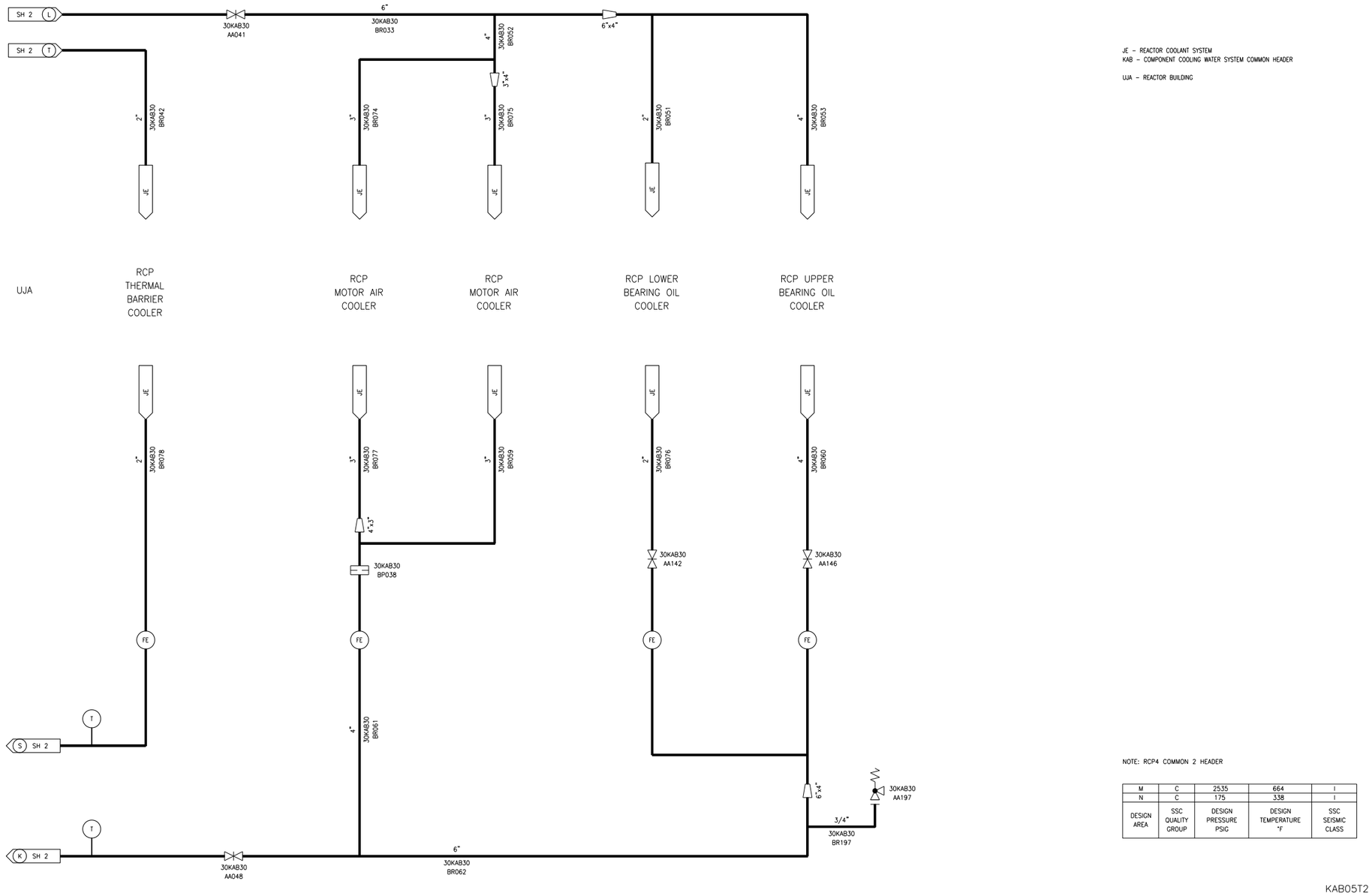
UJA – REACTOR BUILDING

NOTE: RCP3 COMMON 2 HEADER

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

KAB04T2

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



JE – REACTOR COOLANT SYSTEM
KAB – COMPONENT COOLING WATER SYSTEM COMMON HEADER

UJA – REACTOR BUILDING

NOTE: RCP4 COMMON 2 HEADER

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

KAB05T2

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

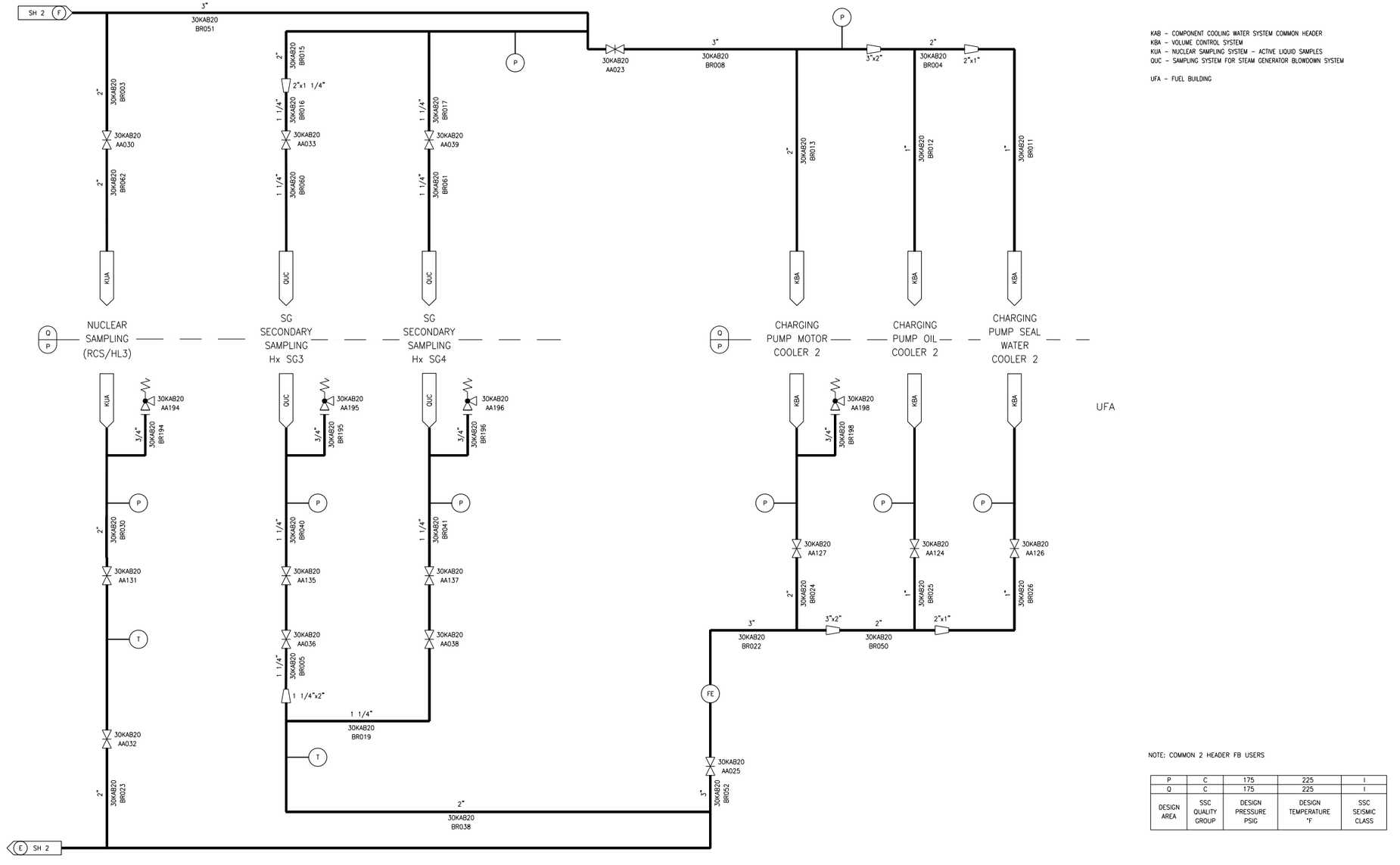
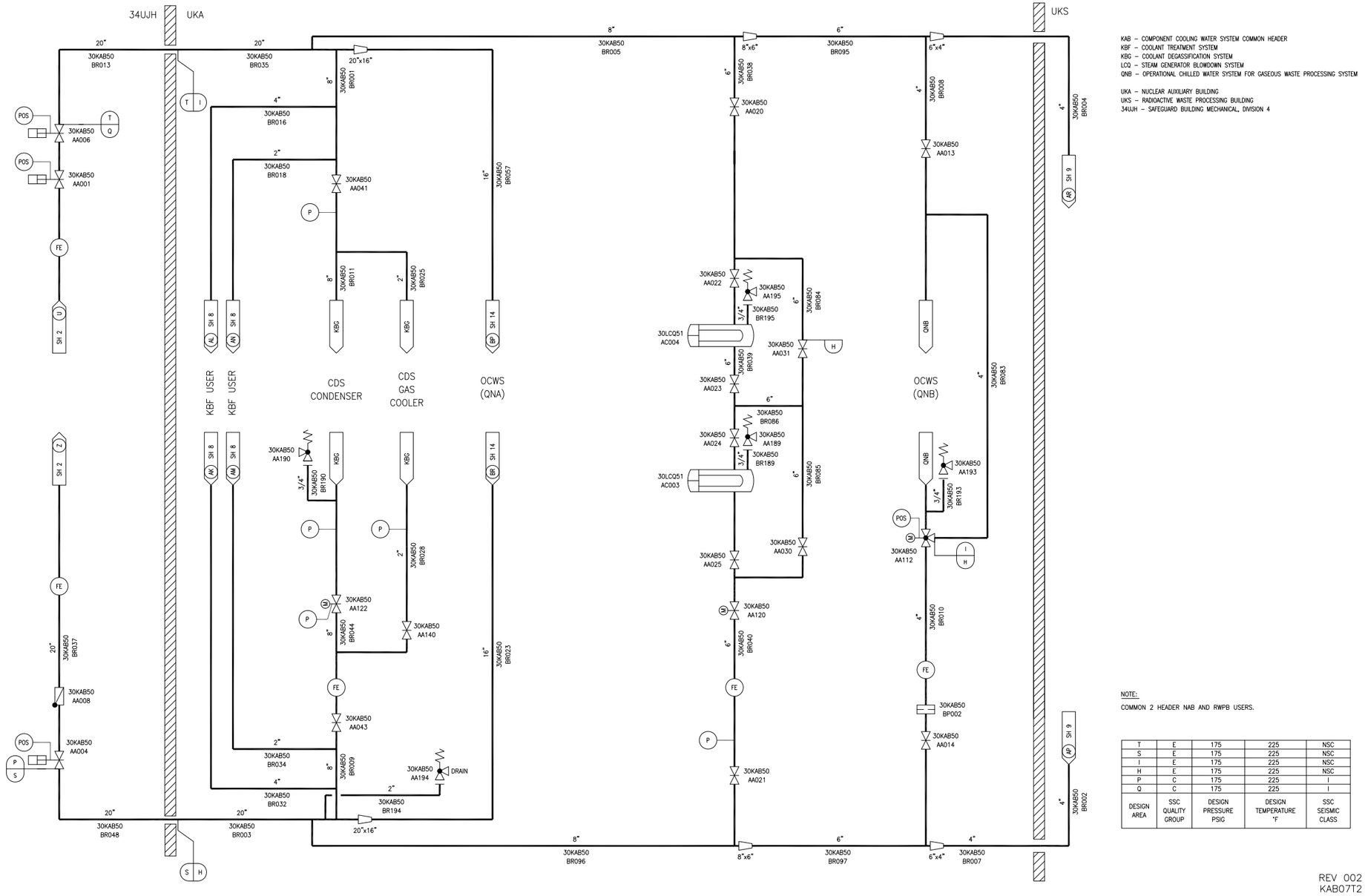


Figure 9.2.2-3—Component Cooling Water System Common Loop 2
Sheet 6 of 8



KAB – COMPONENT COOLING WATER SYSTEM COMMON HEADER
KBF – COOLANT TREATMENT SYSTEM
KBG – COOLANT DEGASSIFICATION SYSTEM
LCQ – STEAM GENERATOR BLOWDOWN SYSTEM
QNB – OPERATIONAL CHILLED WATER SYSTEM FOR GASEOUS WASTE PROCESSING SYSTEM

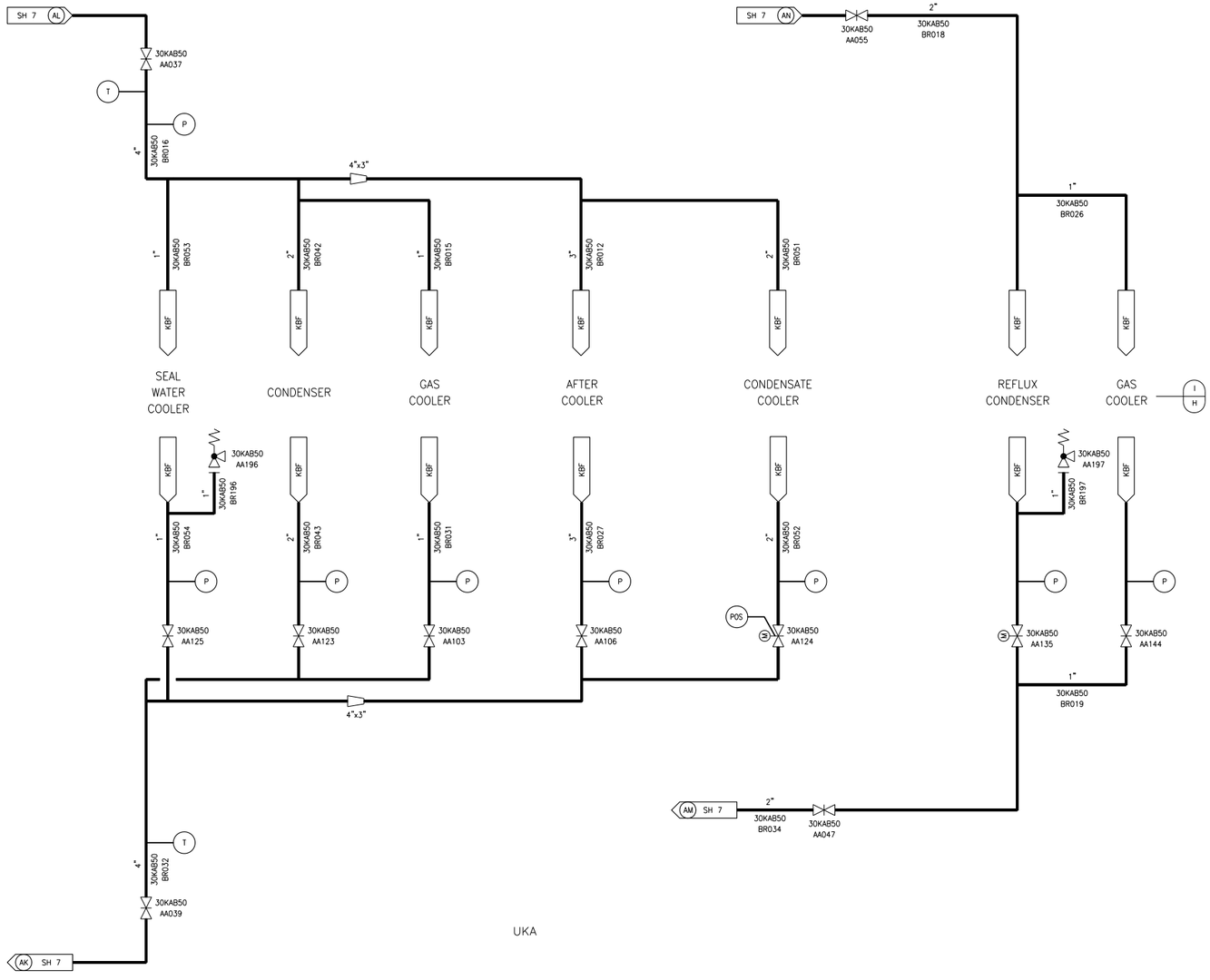
UKA – NUCLEAR AUXILIARY BUILDING
UKS – RADIOACTIVE WASTE PROCESSING BUILDING
34UJH – SAFEGUARD BUILDING MECHANICAL, DIVISION 4

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

REV 002
KAB07T2

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



KAB – COMPONENT COOLING WATER SYSTEM COMMON HEADER
KBF – COOLANT TREATMENT SYSTEM

UKA – NUCLEAR AUXILIARY BUILDING

NOTE:
COMMON 2 HEADER NAB 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

KAB08T2

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

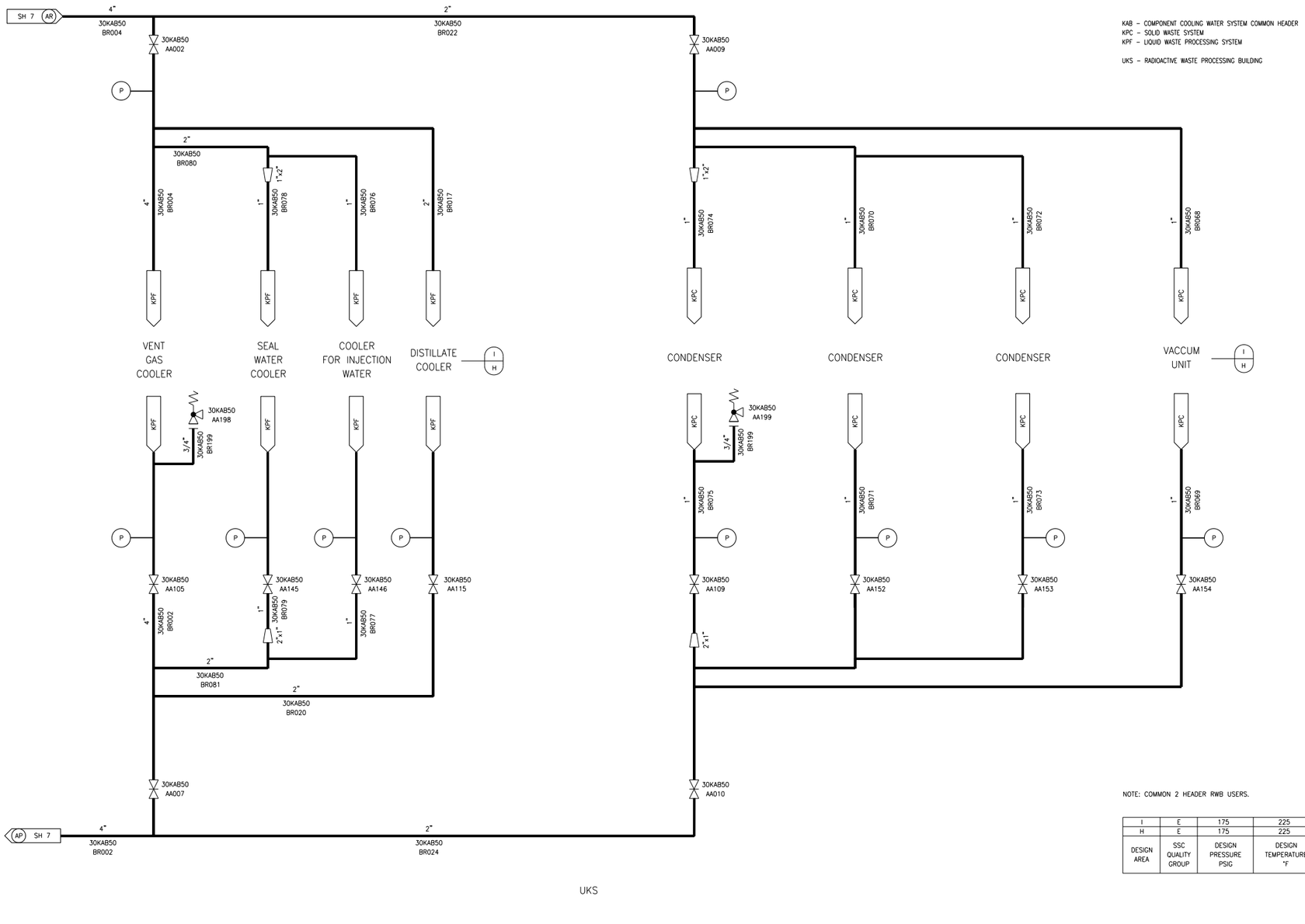


Figure 9.2.2-4—Component Cooling Water System Dedicated CCWS Trains