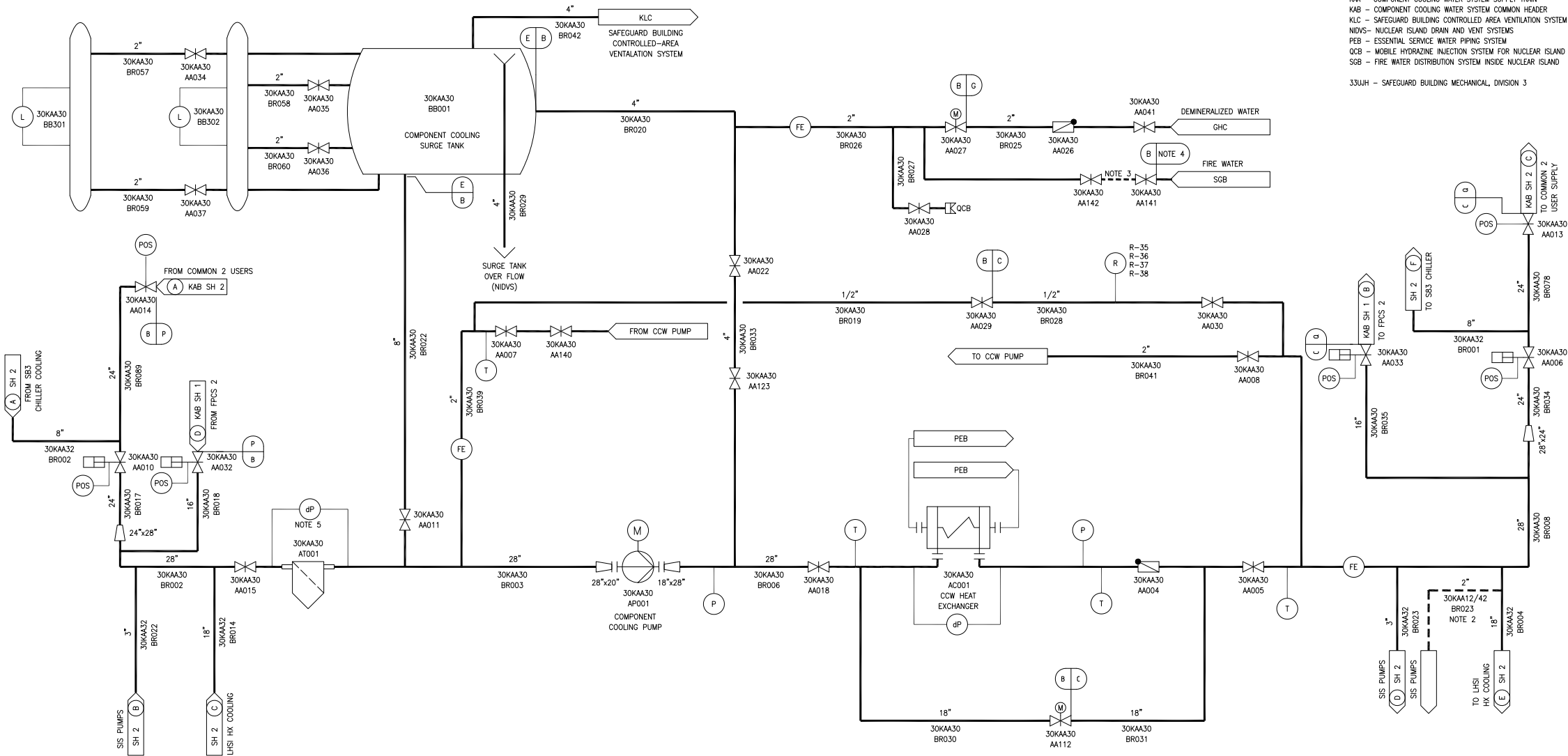


Figure 9.2.2-1—Component Cooling Water System Trains 1 through 4
Sheet 1 of 2



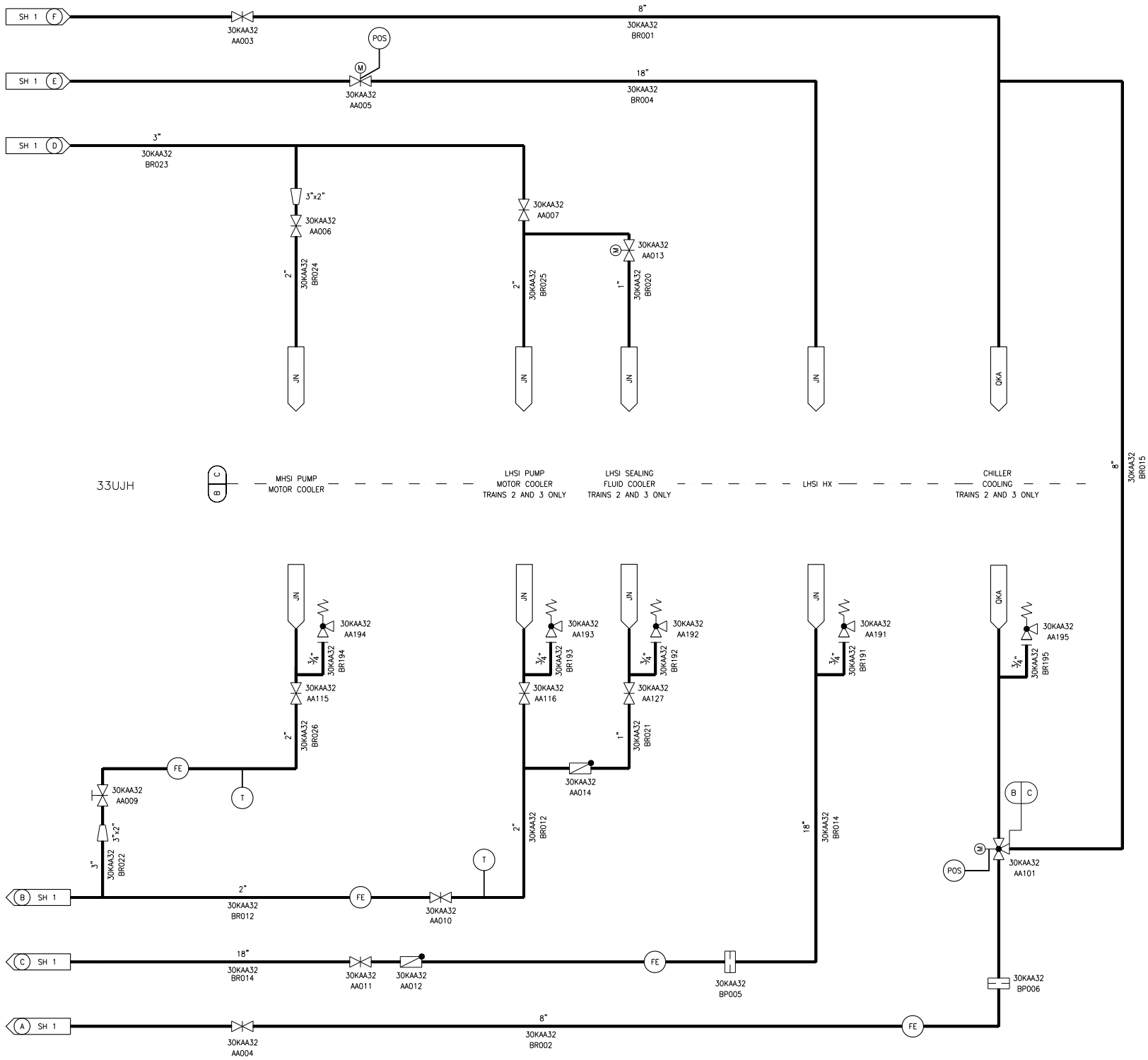
GHC - DEMINEALIZED WATER DISTRIBUTION SYSTEM
KAA - COMPONENT COOLING WATER SYSTEM SUPPLY TRAIN
KAB - COMPONENT COOLING WATER SYSTEM COMMON HEADER
KLC - SAFEGUARD BUILDING CONTROLLED AREA VENTILATION SYSTEM
NIDVS - NUCLEAR ISLAND DRAIN AND VENT SYSTEMS
PEB - ESSENTIAL SERVICE WATER PIPING SYSTEM
QCB -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

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.

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 003
KAA01T2

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



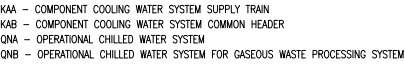
JN - SAFETY INJECTION AND RESIDUAL HEAT REMOVAL SYSTEM
KAA - COMPONENT COOLING WATER SYSTEM SUPPLY TRAIN
OKA - SAFETY CHILLED WATER SYSTEM MAIN COMPONENTS
33UJH - SAFEGUARD BUILDING MECHANICAL DIVISION 3

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

Sheet 1 of 7



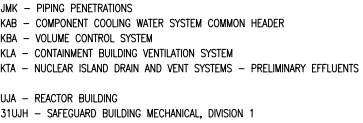
UFA - FUEL BUILDING
UJB - REACTOR BUILDING ANNULUS
UKA - NUCLEAR AUXILIARY BUILDING
31UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 1
32UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 2

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

REV 002
KAB03T2

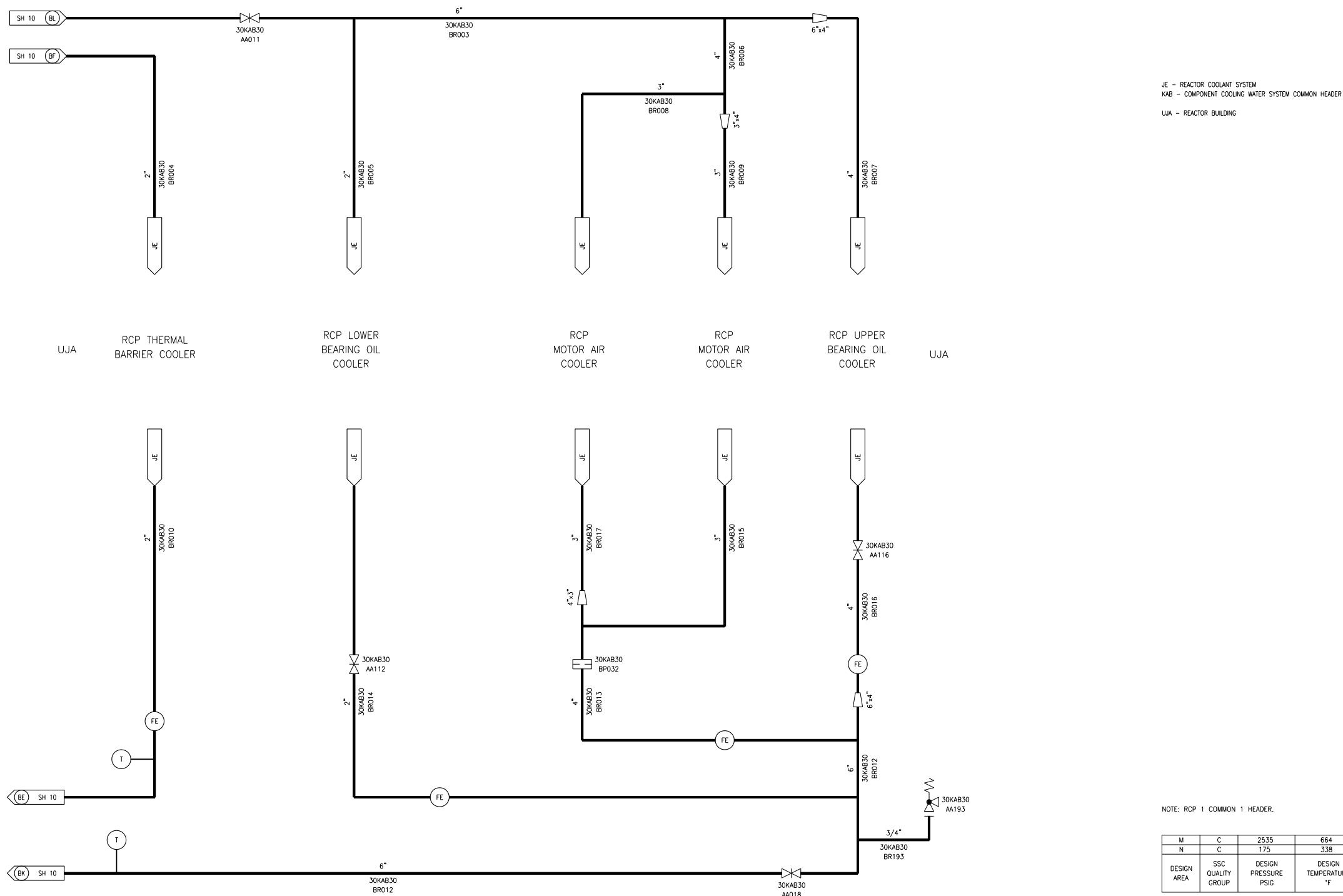
Figure 9.2.2-2—Component Cooling Water System Common Loop 1
Sheet 2 of 7



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 SMC CLASS

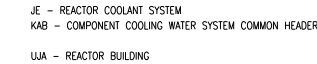
REV 003
KAB10T2

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



KAB11T2

Sheet 4 of 7

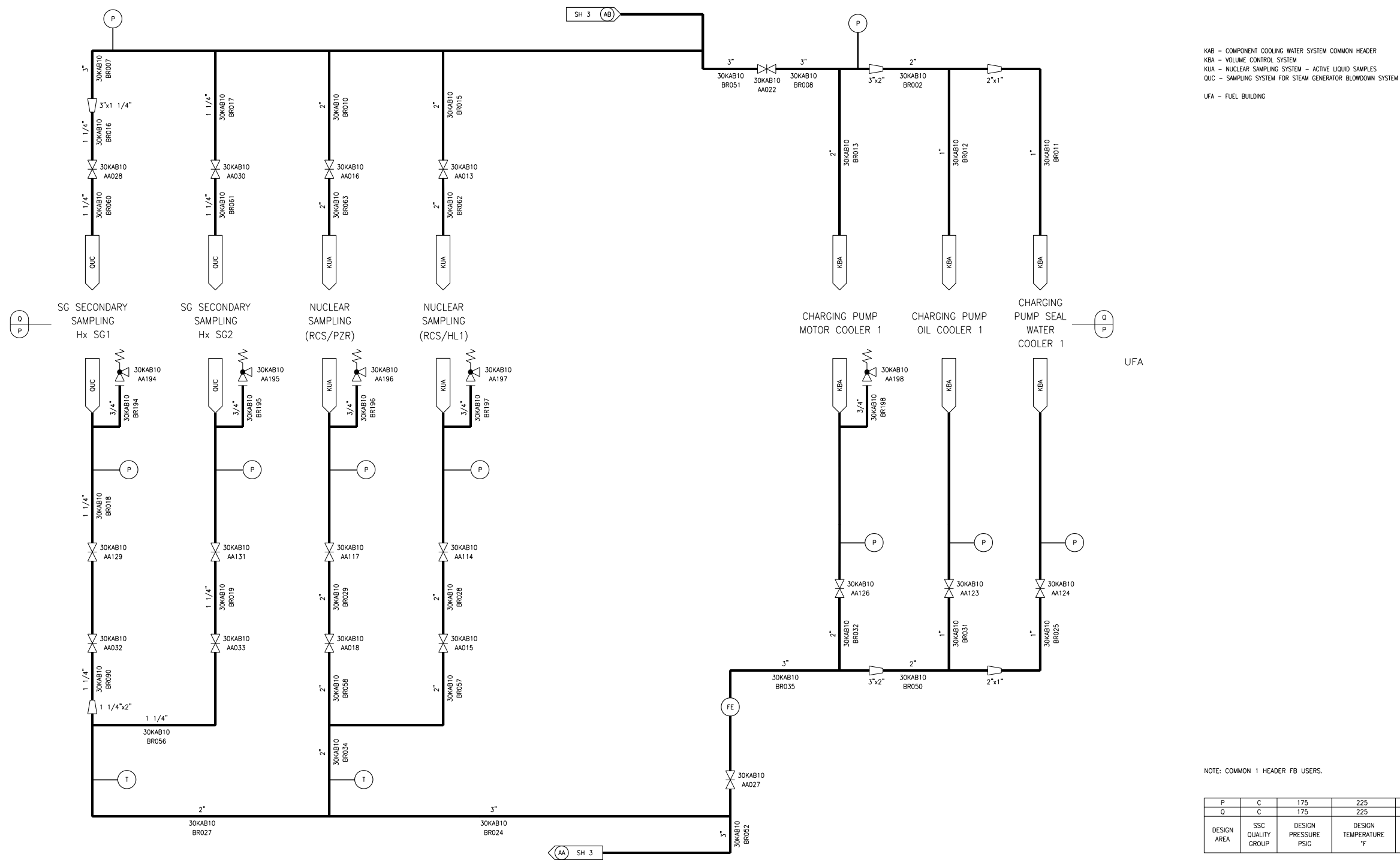


NOTE: RCP 2 COMMON 1 HEADER.

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

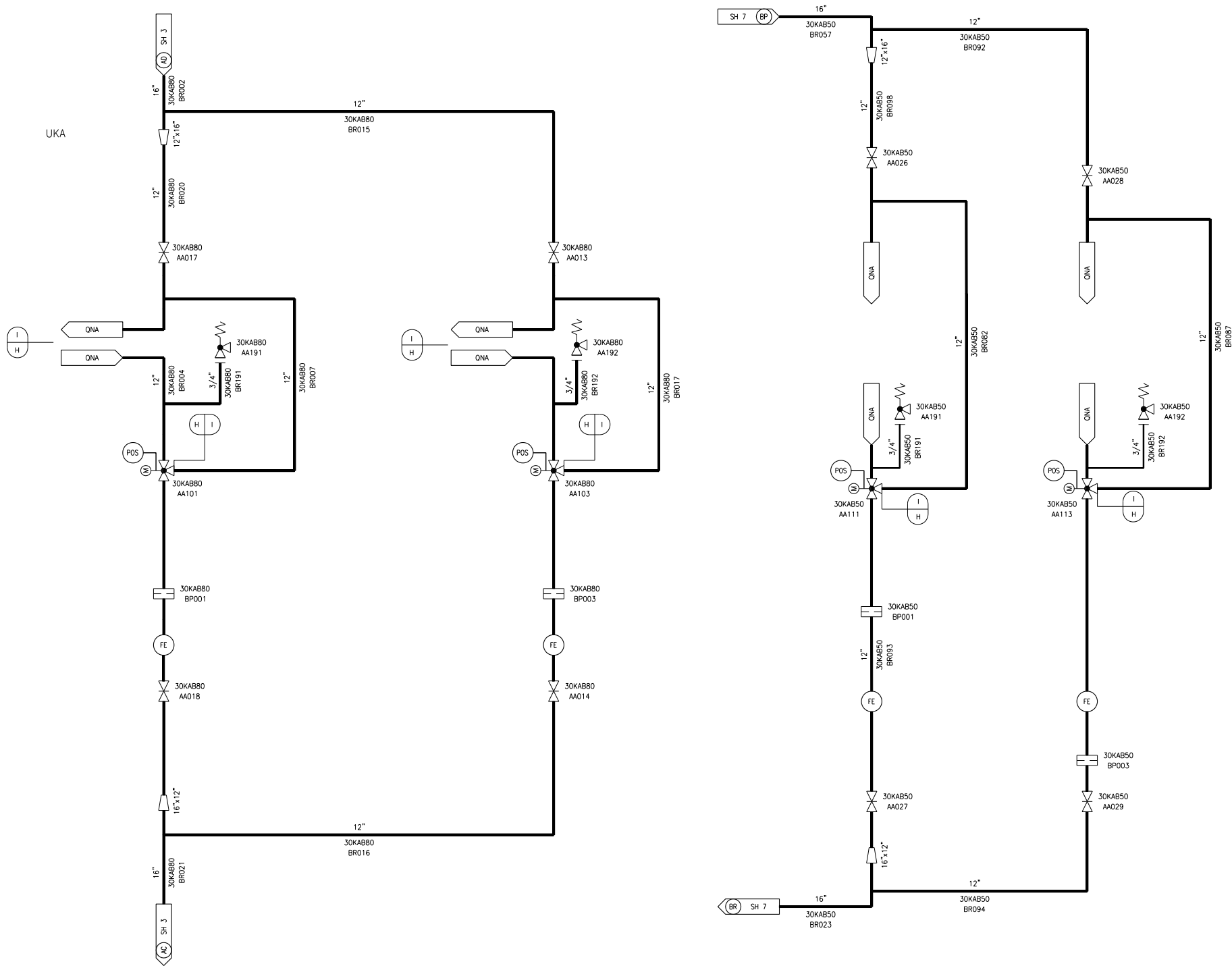
KAB12T2

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



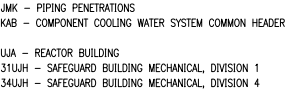
KAB13T2

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



KAB14T2

Sheet 7 of 7

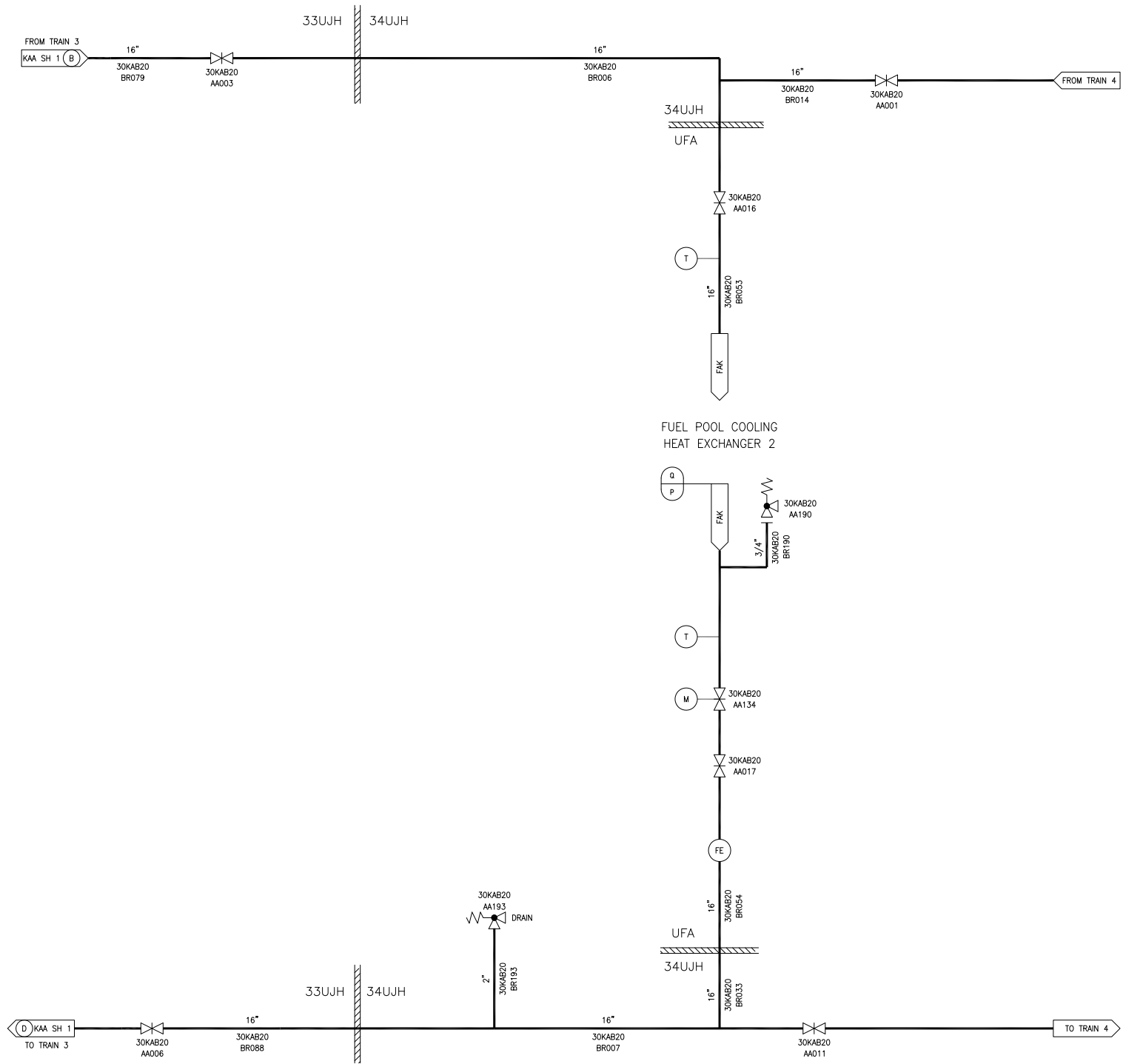


NOTE: COMMON 1 AND 2 CONTAINMENT PENETRATION DETAILS.

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 005
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

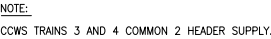
UFA – FUEL BUILDING
33UJH – SAFEGUARD BUILDING MECHANICAL, DIVISION 3
34UJH – SAFEGUARD BUILDING MECHANICAL, DIVISION 4

NOTE:
COWS TRAINS 3 AND 4 SUPPLYING FPCCS TRAIN 2 SHOWN IS REPRESENTATIVE
OF COWS TRAINS 2 AND 1, RESPECTIVELY SUPPLYING FPCCS 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

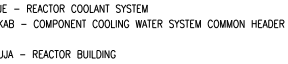
Sheet 2 of 8



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

Sheet 3 of 8



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

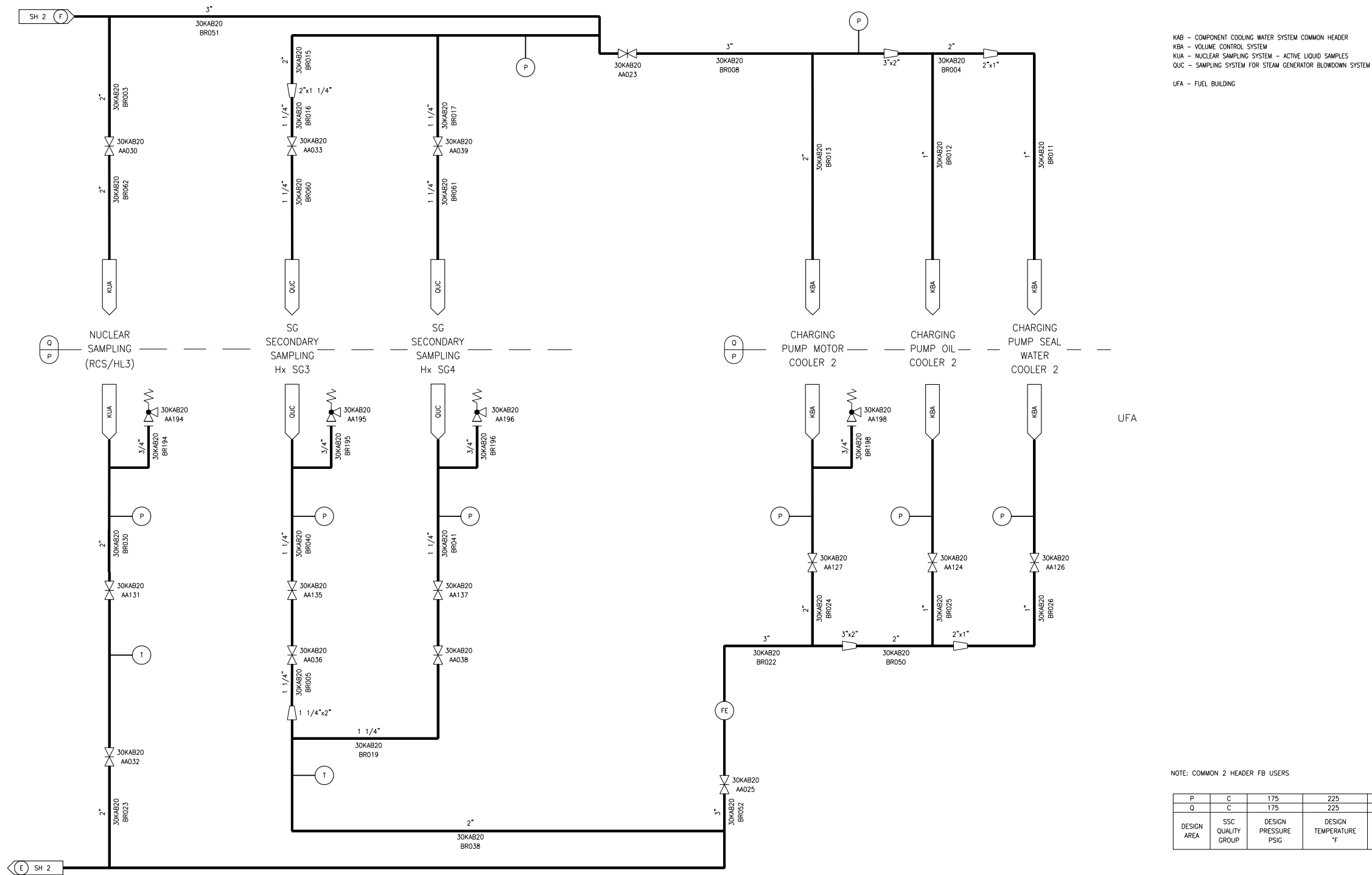
Sheet 4 of 8



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

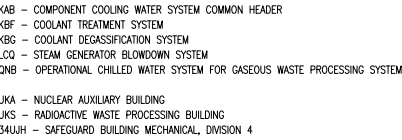
KAB05T2

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



KAB06T2

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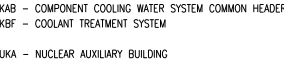


NOTE:
COMMON 2 HEADER NAB AND RWPB USERS.

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

Sheet 7 of 8

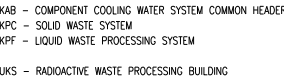


NOTE:
COMMON 2 HEADER NAB USERS.

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

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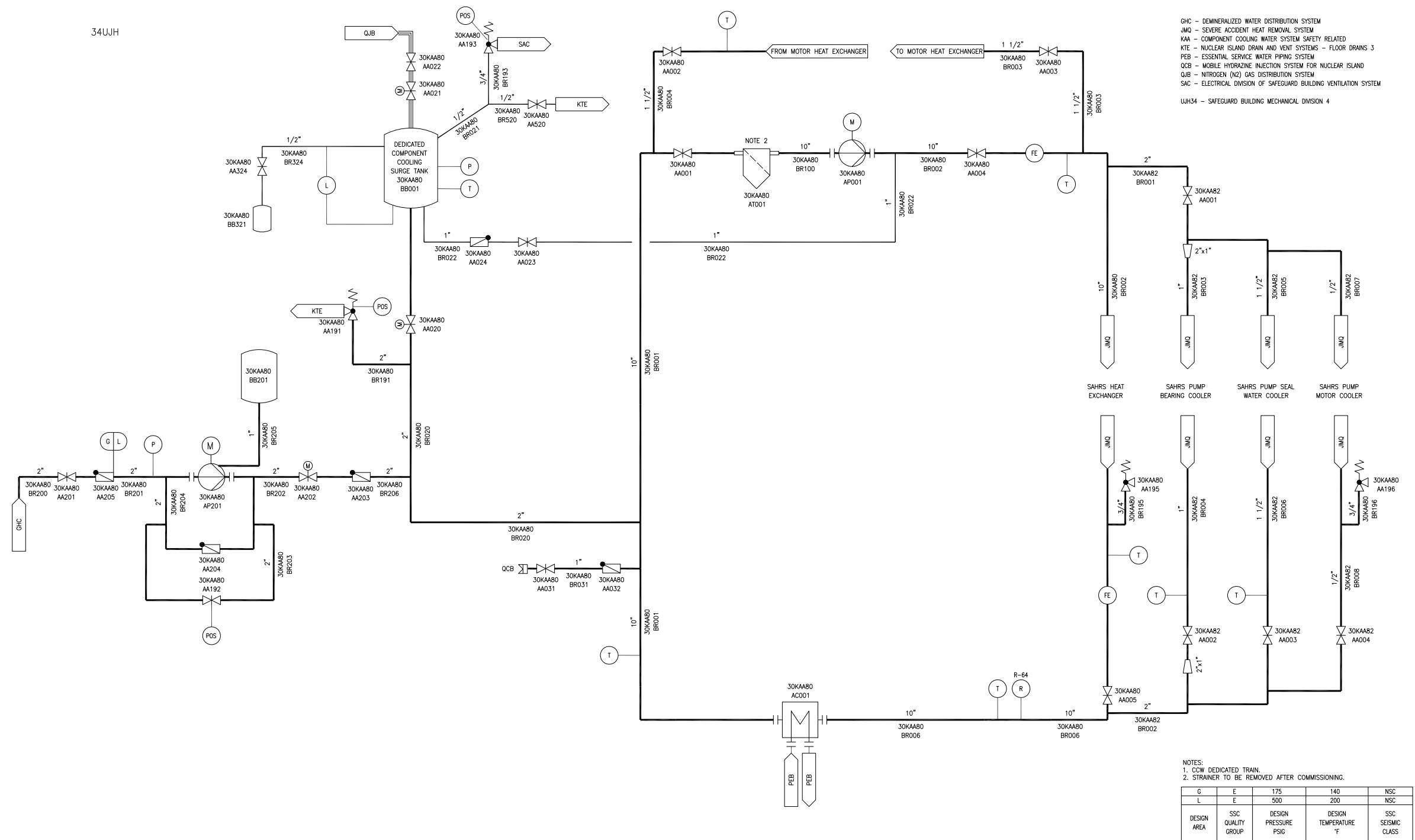


NOTE: COMMON 2 HEADER RWB USERS.

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

KAB09T2

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



REV 005
KAA0312