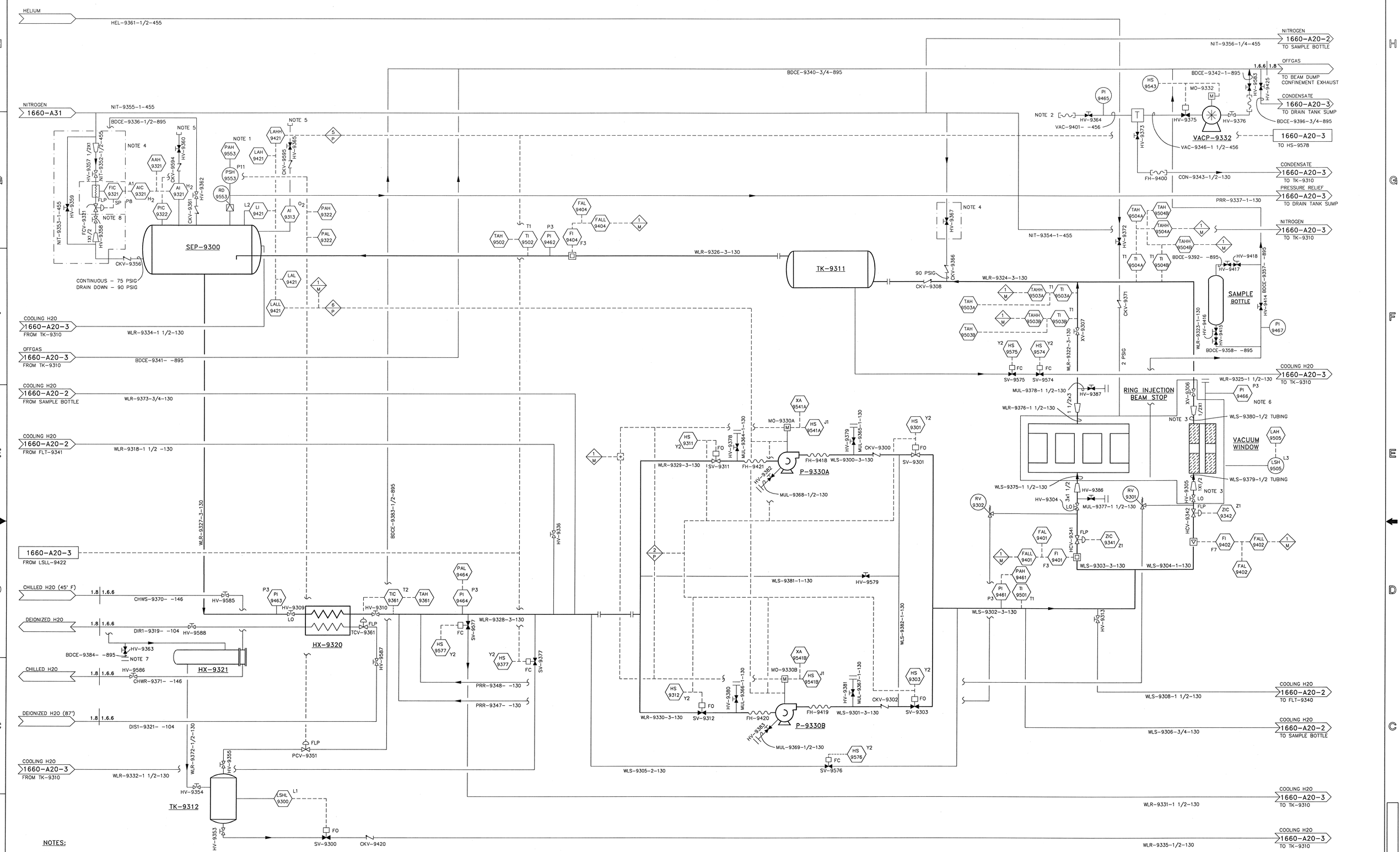

NOTES:

(1) BURST DISK INDICATOR.

(2) PORTABLE VACUUM PUMP FOR REMOVING WATER FROM RING INJECTION BEAM STOP.

(3) CONNECTION TYPE AND LOCATION TBD.

(4) EQUIPMENT LOCATED IN THE RING INJECTION BEAM STOP SERVICE PANEL SHOWN IN SVERDRUP DRAWING 106060000-J8E-8520-A031.

(5) CALIBRATION GAS LINE.

(6) SEE DRAWING 10609XXXX.

(7) OPTIONAL VACP-9332 EXHAUST TIE-IN FOR WATER RECOVERY AS DESIRED.

(8) PACKAGED FLOW CONTROLLER.

SEP-9300
RING INJECTION BEAM STOP
COOLING LOOP
GAS/LIQUID SEPARATOR

TK-9312
OFFGAS WATER
COLLECTION POT

HX-9321
OFFGAS WATER
CONDENSER

HX-9320
RING INJECTION
BEAM STOP
COOLING LOOP COOLER

TK-9311
DELAY TANK

P-9330A/B
COOLING
LOOP PUMPS

VACP-9332
RING INJECTION
BEAM STOP PORTABLE
VACUUM PUMP

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NUMBER OF SECTION OR DETAIL — DRAWING ON WHICH SECTION OR DETAIL IS SHOWN

SECTION AND DETAIL KEY

THIS DOCUMENT CONTROLLED BY

CHANGE CONTROL SYSTEM 3

ENGINEERING PROCEDURE SNS-TS-G001

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	DRAWING REQUEST NUMBER	DESCRIPTION	BY	CHK	SECT	DEPT	DATE	PE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE	ST	CV	EC	EE	EM	IE	M	PD	SE	AR
0				CERTIFIED FOR CONSTRUCTION, 1-18-02	CMM	JPF	—	—	01/02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK

RPE			
	DSGN	CMM	1-17-02
	DRW	CMM	1-17-02
	CHKR	JPF	1-17-02
	SECT	—	
	DEPT	—	
	PE	—	
	PJ	—	
	REQ	—	
			1-18-02
			1-18-02
			1/18/02
REV.	DATE	UTB	

DRAWING APPROVALS

PROCESS DRAWING NO.
1660-A20-1

PROCESS ENGINEERING ASSOCIATES, LLC
171 RANDOLPH ROAD
OAK RIDGE, TN 37830
865-220-8722
FAX: 865-220-8729

UT-BATTELLE
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PROJECT NAME:
SPALLATION NEUTRON SOURCE

RING INJECTION BEAM STOP
COOLING LOOP MAIN LOOP
PIPING AND INSTRUMENTATION DIAGRAM

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	X	X		8			1	3		U
51		52		53	WBS	106060000-				REV
NC		NA		IN		J8E-8520-A020				0