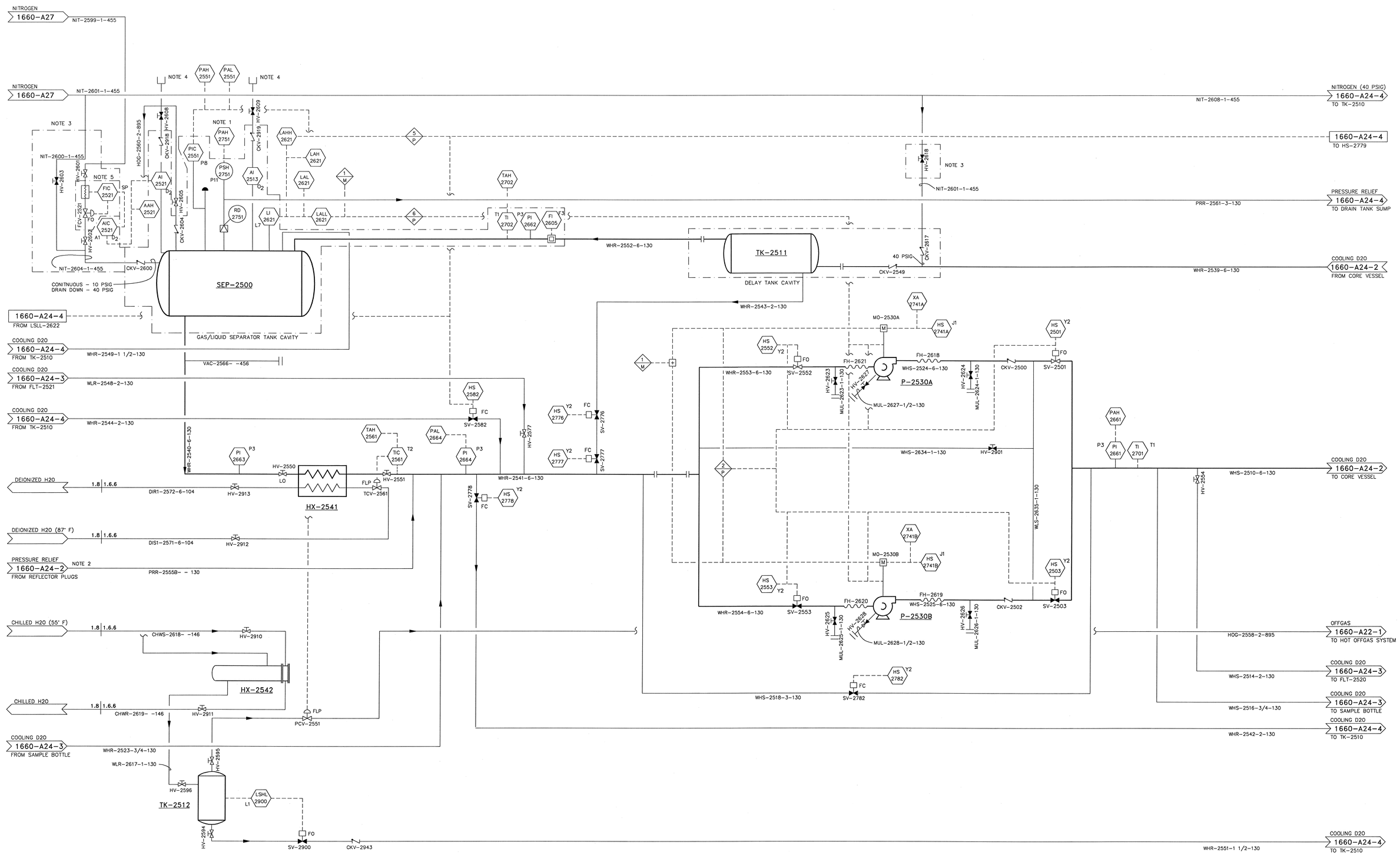


**SEP-2500**
REFLECTOR PLUGS
COOLING LOOP
GAS/LIQUID SEPARATOR

**TK-2512**
OFFGAS WATER
COLLECTION POT

**HX-2542**
OFFGAS WATER
CONDENSER

**HX-2541**
REFLECTOR PLUGS
COOLING LOOP COOLER

**TK-2511**
DELAY TANK

**P-2530A/B**
COOLING
LOOP PUMPS

## NOTES:

(1) BURST DISK INDICATOR.

(2) TYPICAL, 1 OF 9, LINE NOS. PRR-2555A- THRU PRR-2555I-.

(3) EQUIPMENT LOCATED IN THE HEAVY WATER STATION #4 SERVICE PANEL SHOWN IN SVERDRUP DRAWING 106060000-J8E-8700-A028.

(4) CALIBRATION GAS LINE.

(5) PACKAGED FLOW CONTROLLER.

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFOR MATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

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-Q001

| REV | CHANGE TYPE | CHANGE CONTROL SYSTEM | CHANGE 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 |
| | | | 1/18/02 |
| REV. | | DATE | |

DRAWING APPROVALS

PROCESS DRAWING NO.
1660-A24-1

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

UT-BATTELLE
Oak Ridge National Laboratory, managed by UT-Battelle, LLC, for the U.S. Dept. of Energy under contract DE-AC05-00OR22725

PROJECT NAME:
SPALLATION NEUTRON SOURCE
REFLECTOR PLUGS UTILITIES
COOLING LOOP MAIN LOOP
PIPING AND INTRUMENTATION DIAGRAM

| 1 | 48 | 49 | 50 | PLANT | BLDG | FL | SH. | OF | TYPE | CLASS |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | | X | X | 8 | | | 1 | 4 | | U |
| 51 | | 52 | | 53 | WBS | 106060000- J8E-8700-A024 | | | | REV 0 |
| NC | | NA | | IN | | | | | | |