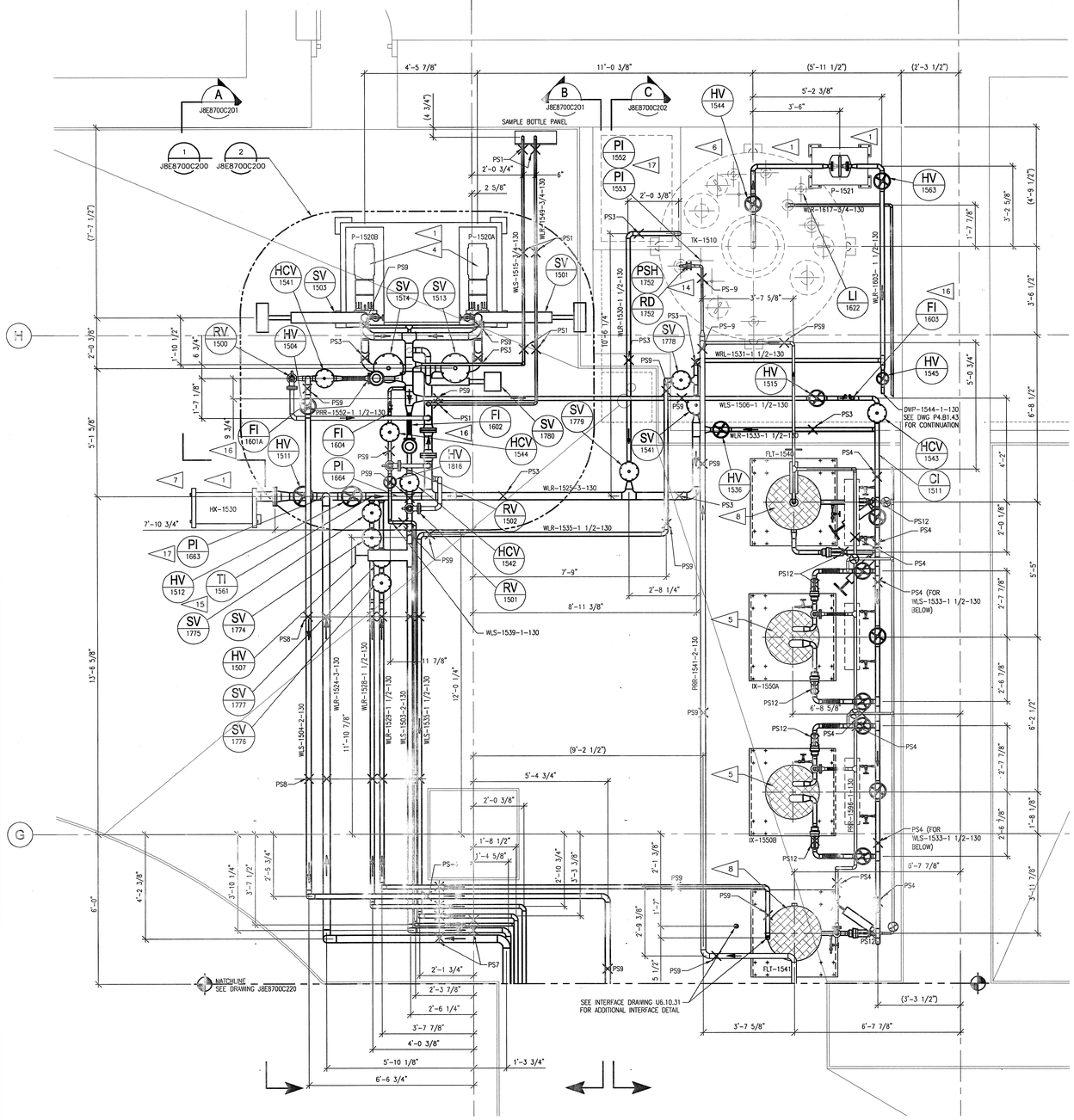
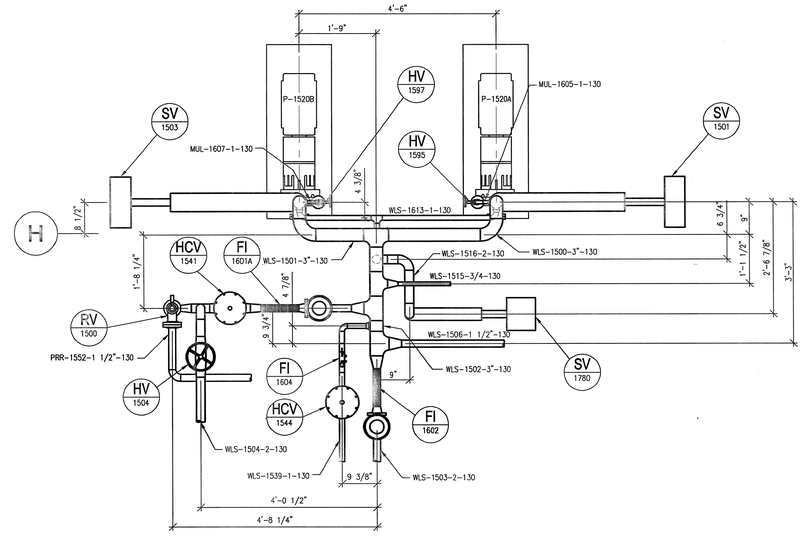


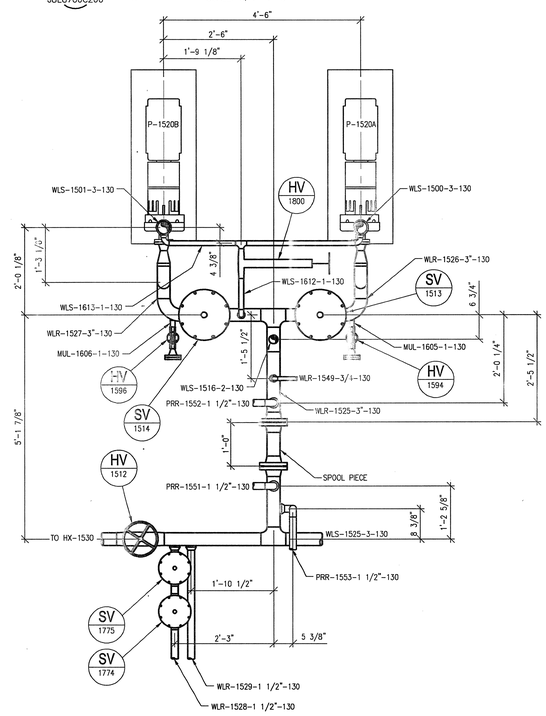
LIGHT WATER STATION #2 - BASEMENT LEVEL PLAN

SCALE: 1/2"=1'-0"



1 J8E8700C200 **DISCHARGE PIPING PLAN - LWS #2**

SCALE: 3/4"=1'-0"



2 J8E8700C200 **SUCTION PIPING PLAN - LWS #2**

SCALE: 3/4"=1'-0"

GENERAL NOTES

1. SEE DRAWING J8E8700C003 FOR MOUNTING DETAILS ON:
   a. DRAIN TANK (TK-1510)
   b. CENTRIFUGAL PUMPS (P-1520A & P-1520B) & DIAPHRAGM PUMP
   c. HEAT EXCHANGER (HX-1530)
2. SEE SPECIFICATION 15130 FOR ACTIVATED COOLING WATER PIPE SYSTEM INSTALLATION, TESTING AND ASSEMBLY REQUIREMENTS.
3. SEE EQUIPMENT SPECIFICATION 106060000-EQ-0003 FOR VALVE INFORMATION.
4. SEE EQUIPMENT SPECIFICATION 106060000-EQ-0007 FOR CIRCULATION PUMP INFORMATION.
5. SEE EQUIPMENT SPECIFICATION 106060000-EQ-0005 FOR ION EXCHANGE COLUMN INFORMATION.
6. SEE EQUIPMENT SPECIFICATION 106060000-EQ-0001 FOR DRAIN TANK INFORMATION.
7. SEE EQUIPMENT SPECIFICATION 106060000-EQ-0008 FOR HEAT EXCHANGER INFORMATION.
8. SEE EQUIPMENT SPECIFICATION 106060000-EQ-0006 FOR ACTIVATED COOLING WATER FILTERS.
9. MINIMUM PIPE SLOPE IS 1/8" PER FT.
10. DIMENSIONS & ELEVATIONS ARE TO CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.
11. SEE DRAWING Nos. J8E8700C080 AND J8E8700C081 FOR PIPE SUPPORT DETAILS.
12. SEE DRAWING Nos. P.3.B1.41 FOR OTHER FACILITY PIPING IN THIS AREA.
13. BUILDING BACKGROUND AND PIPE SUPPORTS HAVE BEEN OMITTED FOR CLARITY.
14. SEE DRAWING No. J8E8700G004 FOR RUPTURE DISK INSTALLATION DETAIL.
15. SEE DRAWING No. J8E8700G003 FOR TEMPERATURE INDICATOR INSTALLATION DETAIL.
16. SEE DRAWING No. J8E8700G004 FOR FLOW INDICATOR INSTALLATION DETAIL.
17. SEE DRAWING No. J8E8700G005 FOR PRESSURE INDICATOR INSTALLATION DETAIL.

SCALE 1/2" = 1'-0"

106060000-J8E-8700-C200

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DSN	J.J. DAVIDSON	03/15/01
DRW	J.J. DAVIDSON	03/15/01
CHK	P. WALLER	01/09/02
DEPT		
PE		
PJ		
REQ		
UTB		

RPE — HOUSTON, TEXAS — REGISTERED PROFESSIONAL ENGINEER — STATE OF TENNESSEE — 100946

REV. 0 DATE 1/18/02

PROJECT NAME:
SPALLATION NEUTRON SOURCE
ACTIVATED COOLING WATER SYSTEM
LIGHT WATER STATION #2
BASEMENT LEVEL - PLAN VIEW

3	48 J	49 X	50 X	PLANT 3	BLDG 8700	FL	SH. 1	OF 1	TYPE P	CLASS U
	51 NC		52 NA	53	WBS 106060000	J8E8700C200				REV 0

DEVICE DESIGNATOR SEE DWG J8E8700A001 FOR ABBREVIATION LIST
XX — DEVICE NUMBER (PER P&ID)
XXXX

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NUMBER OF SECTION OR DETAIL — DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN
SECTION AND DETAIL KEY

THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM 3
ENGINEERING PROCEDURE SNS-TS-G001

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	CHANGE REQUEST NUMBER	DESCRIPTION	DSN	CHK	DEPT	DATE	PE	DATE	PJ	DATE	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	JJD	PW											REV	100946	1/18/02	GFR			HG	PW					MBB

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK — DRAWING APPROVALS

P:\90618\DRAWINGS\ISSUED\MECH\8700\1.4\02-01-18 (DFC)\J8E8700C200DWN-2002 10:58 townsejh