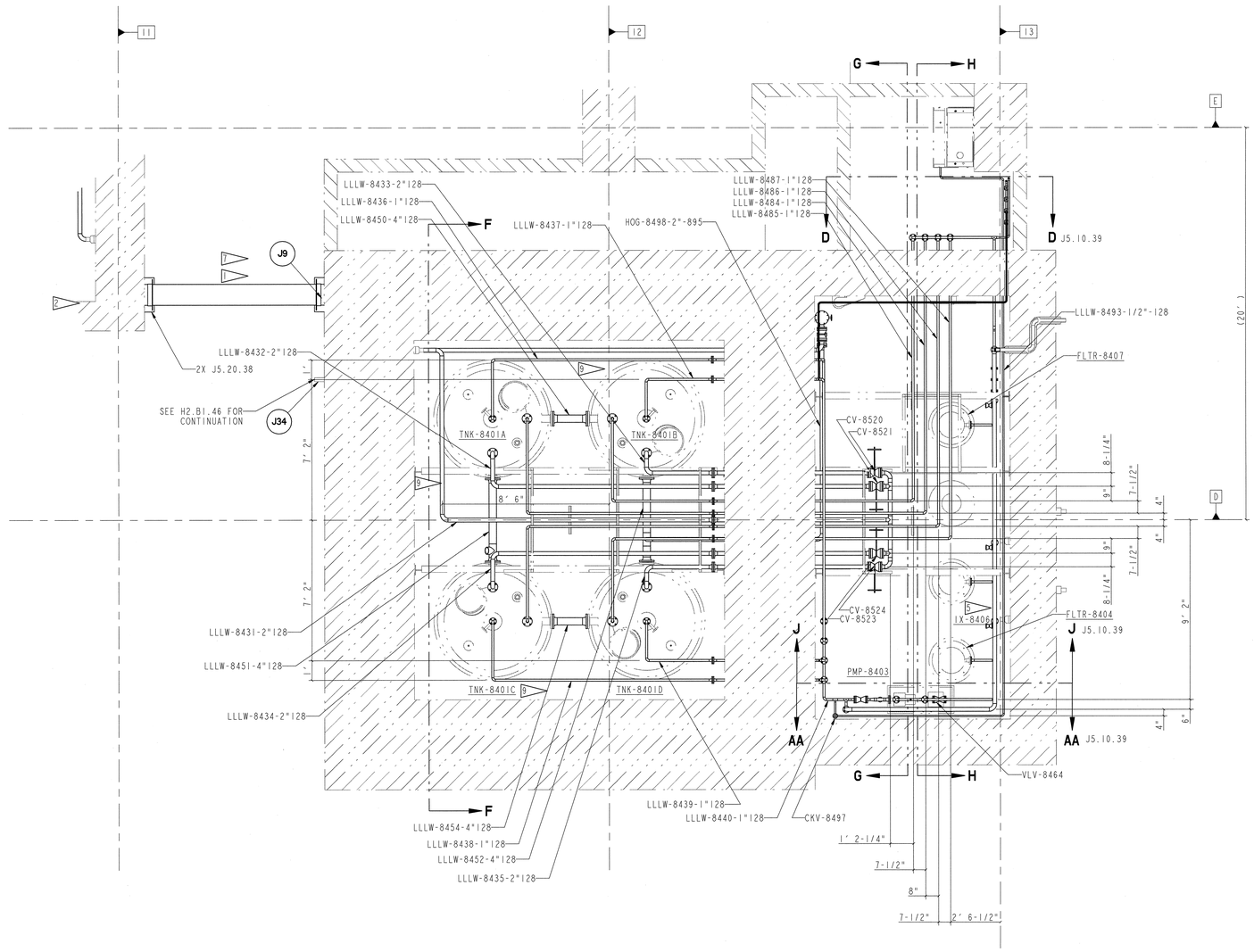
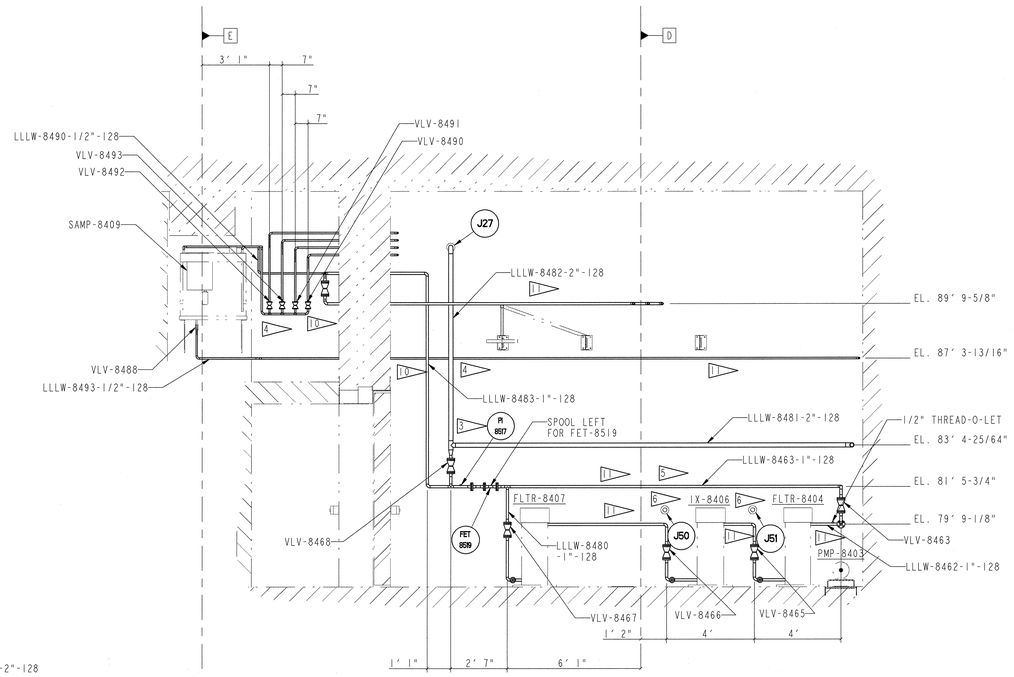
NEXT ASS'Y: FINAL ASS'Y:

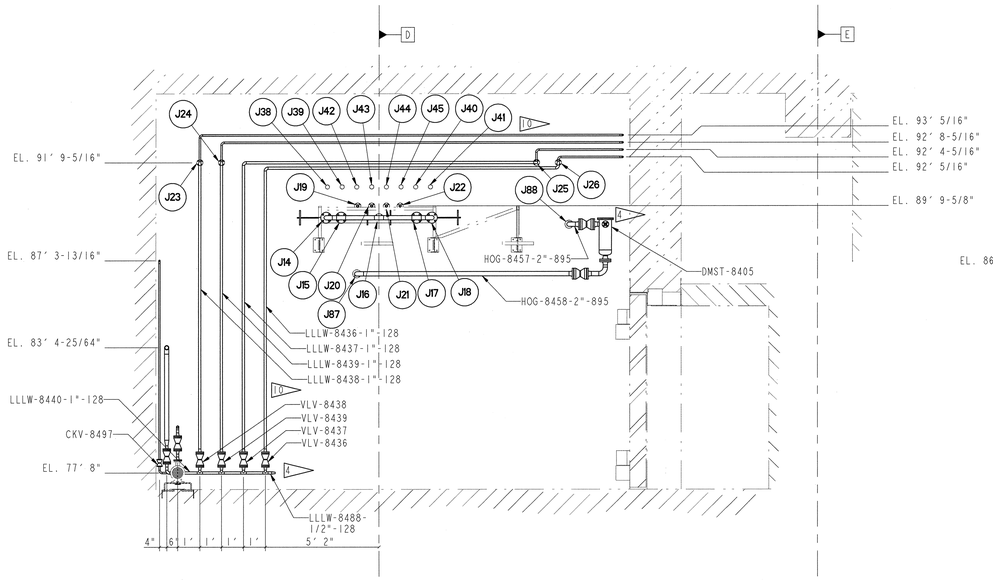
NOTES:

1. INSTALL A 4 INCH DIAMETER OUTER JACKET IN THIS VACINITY. INNER PIPE SHALL BE CONSTRUCTED USING SECTION I5128. OUTER JACKET SHALL BE CONSTRUCTED USING SECTION I5146. INSTALL 304L SPIDERS EVERY 4 FEET.
2. DRILL A 1/2 INCH DIAMETER HOLE IN THE BOTTOM OF THE PIPE JACKET. THE INTENT OF THE HOLE IS TO ALLOW ANY FLUID LEAKING FROM THE INNER PIPE TO REACH THE CARBON FILTER ROOM FLOOR.
3. INSTALL A 1/2 INCH THREAD-O-LET FOR THE PRESSURE MEASUREMENT INSTRUMENT.
4. SEE J2.10.35. FIELD ROUTE 1/2" FLUSH LINES INTO SAMPLING ROOM. USE SWAGELOK P/N: SS-QC8-B-8PM.
5. THE ION EXCHANGE COLUMN SHALL BE PROVIDED AS PART OF A SERVICE CONTRACT. CONTRACTOR SHALL FIT PIPING TO THE COLUMN AT THE DIRECTION OF THE SERVICE CONTRACT REPRESENTATIVE.
6. INTERCONNECTING PIPING FOR NOTED PENETRATIONS SHALL BE PROVIDED BY THE SERVICE CONTRACTOR, NOT THE CONSTRUCTION CONTRACTOR.
7. FABRICATE AND INSTALL CLAMSHELL LEAD SHIELDING USING 12" PIPE AS THE OUTER JACKET. CLAM SHELL PIECES SHALL FULLY CONTAIN CAST LEAD. WELD CLAMSHELLS TOGETHER WITH 1/8" GROOVE WELD.
8. USE SERIES P2558 UNISTRUT PIPE CLAMPS, CHANNEL NUTS, MACHINE SCREWS, AND FLAT WASHERS ON ALL UNISTRUT PIPE SUPPORTS.
9. INSTALL UNISTRUT P2544 BRACKETS EVERY 6 FEET. FASTEN BRACKET USING 1/2 HILTI HAS-E THREADED ROD ANCHORS. EMBED RODS A MINIMUM OF 2 1/8 INCHES USING HIT HY 150 ADHESIVE.
10. FIELD FABRICATE WALL MOUNTED PIPE SUPPORTS USING P1000 UNISTRUT AND UNISTRUT PIPE CLAMPS. FASTEN UNISTRUT TO CONCRETE STRUCTURE USING 1/2 HILTI HAS-E THREADED ROD ANCHORS. EMBED RODS A MINIMUM OF 2 1/8 INCHES USING HIT HY 150 ADHESIVE. PIPE SUPPORTS SHALL BE SPACED NO MORE THAN 6 FEET APART.
11. INSTALL UNISTRUT P2543 BRACKETS EVERY 6 FEET. FASTEN BRACKET USING 1/2 HILTI HAS-E THREADED ROD ANCHORS. EMBED RODS A MINIMUM OF 2 1/8 INCHES USING HIT HY 150 ADHESIVE.)
12. SEE J2.10.35 FOR INSTRUMENT AIR CONNECTIONS. INSTRUMENT TUBING SHALL BE FIELD ROUTED AND SUPPORTED BY CONTRACTOR.
13. ROLL TEE 30° UPWARD.

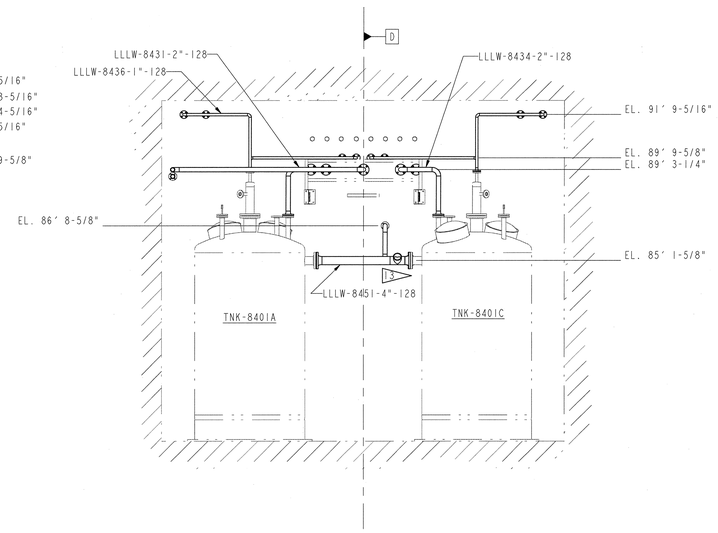




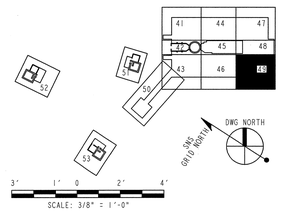
H SECTION
J5.10.36 SCALE: 3/8" = 1'



G SECTION
J5.10.36 SCALE: 3/8" = 1'



F SECTION
J5.10.36 SCALE: 3/8" = 1'



J5-10-36

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PROJECT NAME: SPALLATION NEUTRON SOURCE

TARGET BUILDING
LLLW
PARTIAL PLAN AND SECTION

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	J	X	X	8	8700		1	1	P	U

51	52	53	WBS		REV
NC	NA	IN	1.8.3.7	J5.10.36	0

REV	CHANGE TYPE	CONTROL SYSTEM	CHANGE 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 - 10/26/01	NHL	MJK				11/9/01	RPD	11/14/01				11/13/01	MJK	107067	11/13/01	PJK						TBD			

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK

RPE: MATTHEW JAMES KNUDSEN, REGISTERED PROFESSIONAL ENGINEER, AGRICULTURE, No. 107067, STATE OF TENNESSEE — REV. 0 DATE 11-12-01

DRAWING APPROVALS		
DSN	M. Fuson	11-12-01
DRW	M. Fuson	11-12-01
CHK	MJK	11-12-01
DEPT		
PE	P.D. Larson	11/15/01
PJ	R.A. Dixon	11/14/01
REQ		
UTB	J.K. Jackson	11/14/01

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