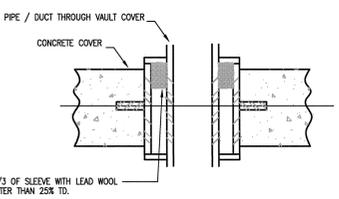
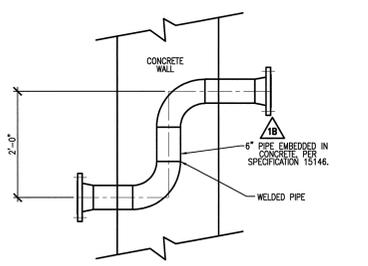


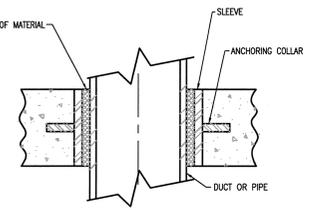
11 SPARE PENETRATION. NOT TO SCALE



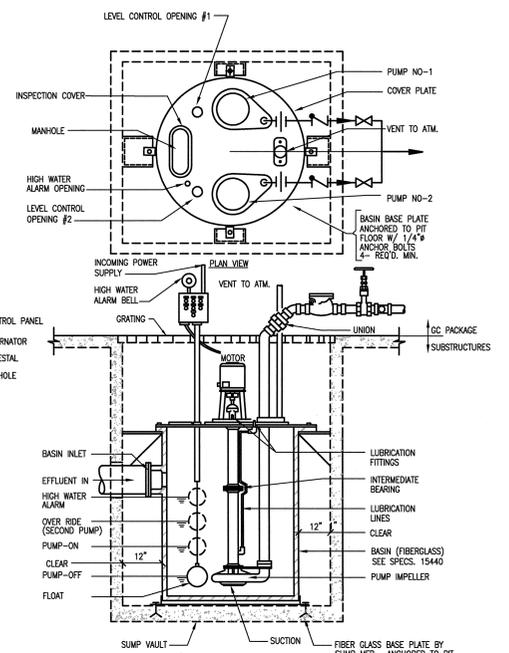
12 PIPE / DUCT PENETRATION OF UTILITY VAULT COVER. NOT TO SCALE



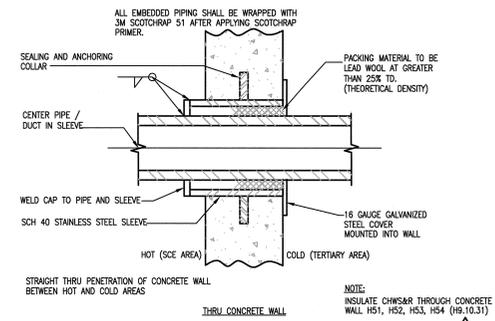
13 PIPING PENETRATION BETWEEN UTILITY VAULTS 1 & 2. NOT TO SCALE



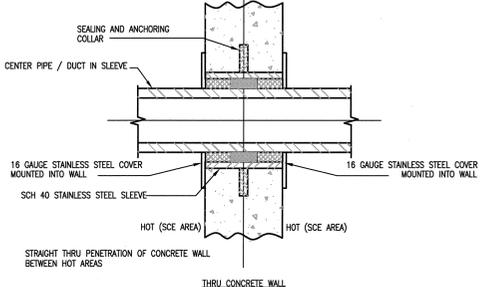
14 PIPE PENETRATION THROUGH INSTRUMENT FLOOR. NOT TO SCALE



8 VERTICAL LIFT DUPLEX SEWAGE EJECTOR. NOT TO SCALE

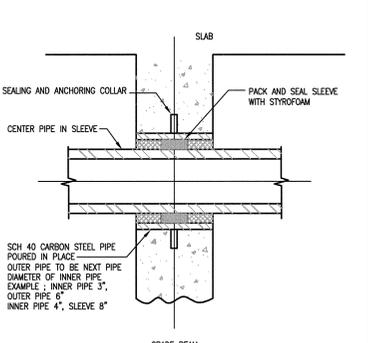


9 PIPE / DUCT PENETRATION. NOT TO SCALE

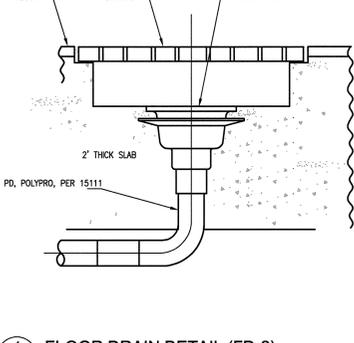


10 PIPE / DUCT PENETRATION. NOT TO SCALE

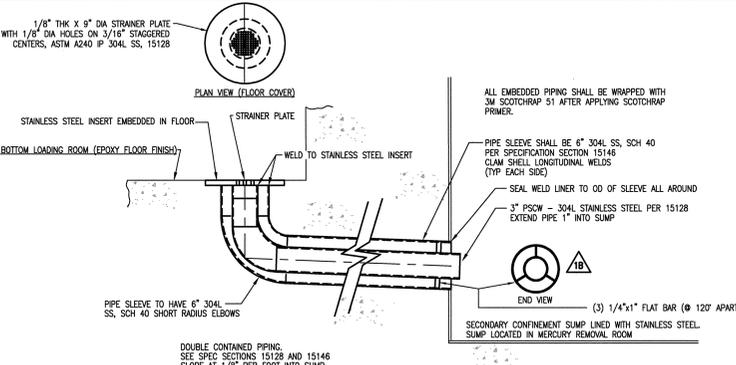
NOTES:
ALL SLEEVE PENETRATIONS THROUGH CONCRETE WALLS IN THE BASEMENT, BASEMENT SLAB AND INSTRUMENT FLOOR SLAB ARE A PART OF THE SUBSTRUCTURES PACKAGE AND ARE HERE FOR REFERENCE. PIPING THROUGH THE SLEEVE AND ALL REQUIRED SEALING OF THE PENETRATION SHALL BE A PART OF THE GENERAL CONTRACT.



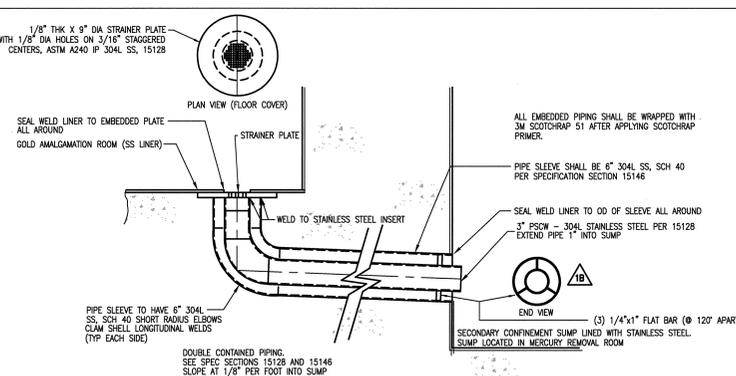
7 PIPE SLEEVE DETAIL (GRADE BEAM) NOT TO SCALE



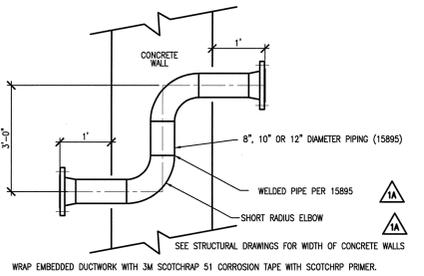
4 FLOOR DRAIN DETAIL (FD-2) NOT TO SCALE



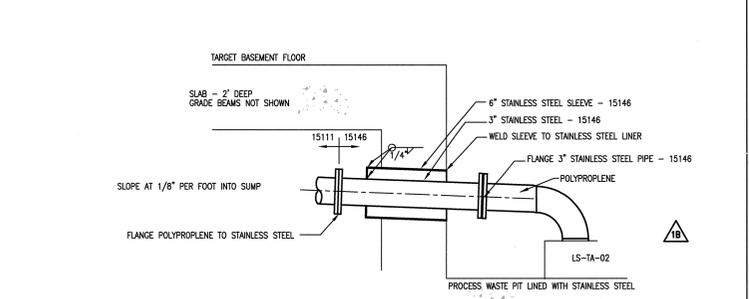
5 PROCESS SECONDARY CONFINEMENT FLOOR DRAIN (TARGET BOTTOM LOADING) NOT TO SCALE



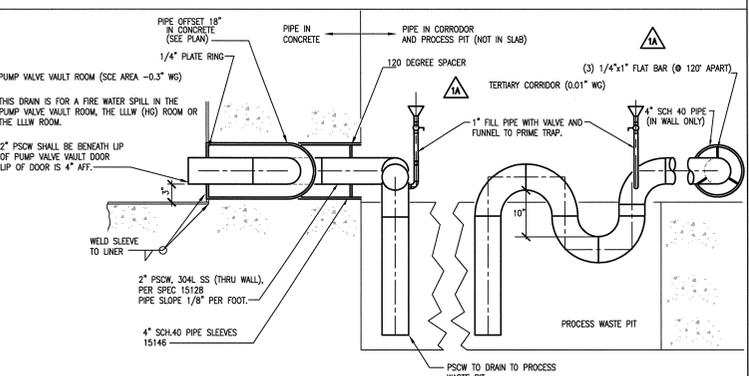
6 PROCESS SECONDARY CONFINEMENT FLOOR DRAIN (GOLD AMALGAMATION LLLW VAULT) NOT TO SCALE



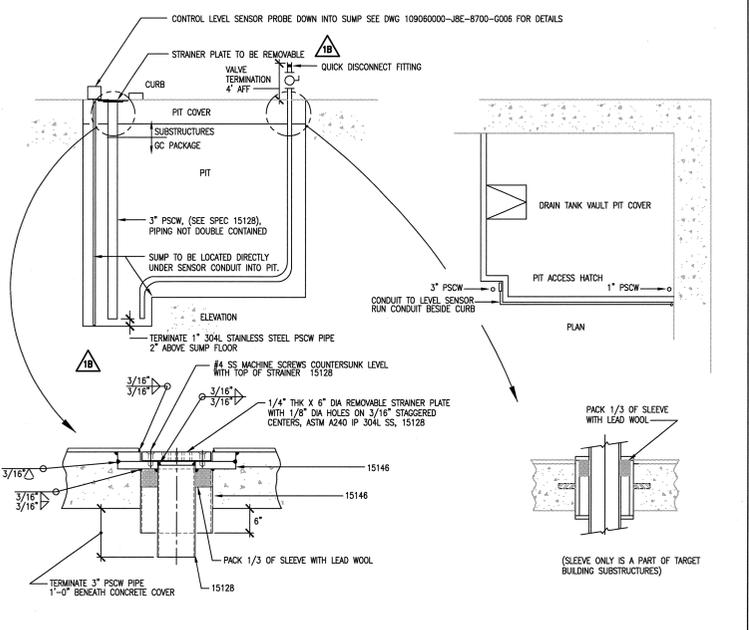
15 SCE / MUA PENETRATIONS BETWEEN HOT AND COLD AREAS. NOT TO SCALE



1 PROCESS WASTE CONNECTION TO PROCESS WASTE PIT (TARGET BASEMENT) NOT TO SCALE



2 PROCESS WASTE PIPING BETWEEN PUMP VALVE VAULT AND PROCESS WASTE PIT (SCE TO TERTIARY AREA, TARGET BASEMENT) NOT TO SCALE



3 PLAN AND ELEVATION OF DRAINAGE PIPING INTO DRAIN TANK PITS (TARGET AND BEAM DUMPS) NOT TO SCALE

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION 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 BIDDERS 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 OR TAKEN: SECTION AND DETAIL KEY

THIS DOCUMENT CONTROLLED BY: CHANGE CONTROL SYSTEM 4

ENGINEERING PROCEDURE: SNS-ENG-6001

REV	DATE	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
2		TARGET - CERTIFIED FOR CONSTRUCTION - 10/26/01	MMK	BJW																							
1	A	3	1-13																								
0		TARGET - SUBSTRUCTURES CERTIFIED FOR CONSTRUCTION - 4/16/01	MMK	BJW																							

REVISION APPROVALS

REVISION CHECK

UTB JR LAWSON 10/26/01

108030000-P8E-8700-A001

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UT-BATTELLE
Oak Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under
U.S. GOVERNMENT CONTRACT DE-AC05-00OR22725
UT-BATTELLE, LLC, a Oak Ridge, Tennessee

PROJECT NAME: SPALLATION NEUTRON SOURCE

STANDARD PLUMBING DETAILS (LLLW, PSCW, PD) TARGET SHEET 3 OF 6

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	P	X	X	8	8700		1	1	S	U
REV	51	52	53	WBS	1.8.3					P6.10.03
REV	NC	NA								2