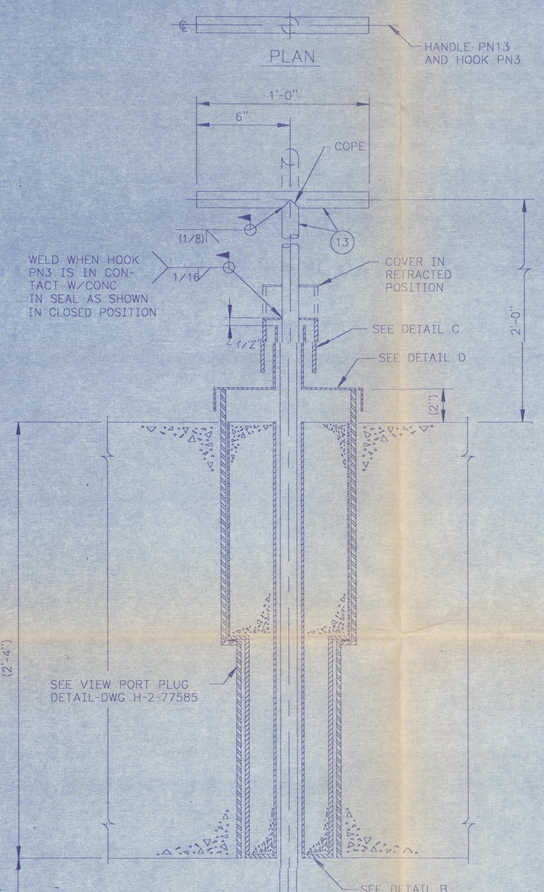
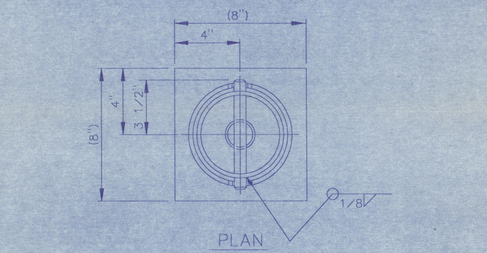
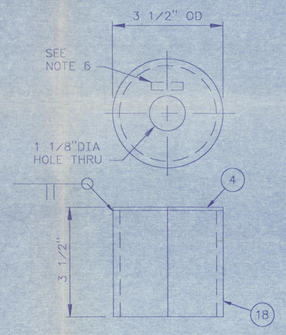
QTY	PN	DESCRIPTION	MATERIAL
X	1	ASSEMBLY	
1	2	PLATE, 1/4"THK X 5 9/16"OD X 2"ID	ASTM A36
1	3	HOOK, BAR, ROUND 5/8"	ASTM A108 GR 1020 OR GR 1018
AR	4	12 GAUGE SHEET (.1046)	ASTM A569
AR	5	WIRE CLOTH 6"X6"X.063 NO 9220T39 McMASTER-CARR CAT#92	GALVANIZED STEEL
1	6	PLATE 1/2"THK X 3"OD X 1 1/8"ID	ASTM A36
1	7	PLATE, 1/4"THK X 7 3/4"OD X 5"ID	ASTM A36
AR	8	PIPE 1 1/2" SCHED 80	ASTM A106 GR B
1	9	PLATE 1/4"THK X 5"DIA W/1 11/32"DIA HOLE ON C L	ASTM A36
1	10	PLATE 3/8"THK X 5 9/16"OD X 2"ID	ASTM A36
1	11	GUIDE, PIPE, 6"SCHED 40	ASTM A53 TYPE S GR B
AR	12	PIPE, 5"SCHED 40	ASTM A53 TYPE S GR B
AR	13	PIPE, 3/4"SCHED 80	ASTM A106 GR B
1	14	CHECK VALVE, 2" 150# 3.5IN H_2O CRACKING PRESS	CHECK ALL MFG CO 2"FIV-SS-T-1/8
AR	15	SHIELDING (APPROX WT 143 LBS)	CONCRETE-COMMERCIAL
1	16	GASKET 1/4"THK X 5"OD X 3"ID	NEOPRENE RUBBER 35-45 DUROMETER
1	17	ROD, 3/4"DIA X 7"LONG	ASTM A108 GR 1020
1	18	PIPE, 3"SCHED 40	ASTM A53 TYPE S GR B
1	19	PIPE, 1"SCHED 40	ASTM A106 TYPE S GR B
1	20	GASKET, 1/8"THK X 7 3/4"OD X 6 3/4"ID	NEOPRENE, GARLOCK #8312



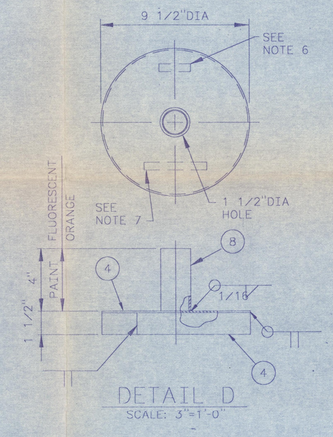
ELEVATION ASSEMBLY
1 SCALE: 3"=1'-0"



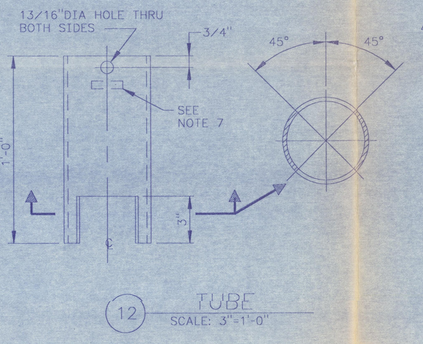
DETAIL A
SCALE: 3"=1'-0"



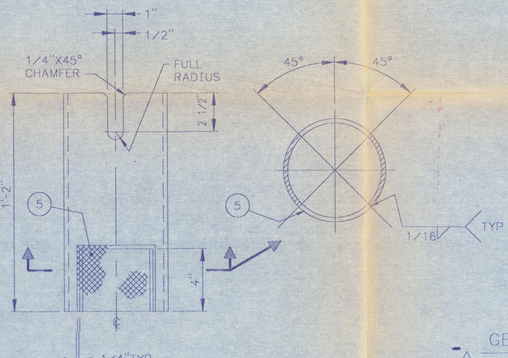
DETAIL C
SCALE: 6"=1'-0"

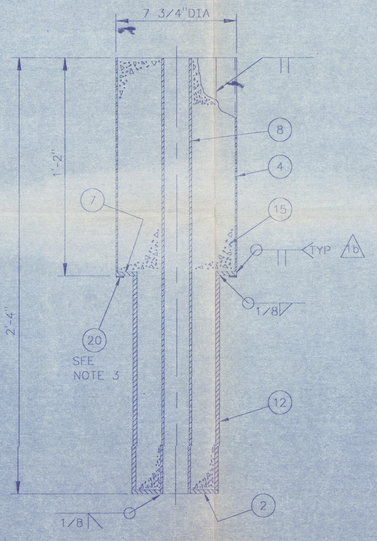


DETAIL D
SCALE: 3"=1'-0"

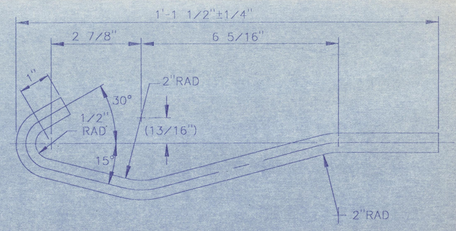


12 TUBE
SCALE: 3"=1'-0"





DETAIL B
SCALE: 3"=1'-0"



3 HOOK
SCALE: 6"=1'-0"

11 GUIDE
SCALE: 3"=1'-0"

GENERAL NOTES:

1a 1. FABRICATION, MATERIALS & CLEANING SHALL BE IN ACCORDANCE WITH CONSTRUCTION SPEC B-714-C2, SECTION 15493

2. TOLERANCES UNLESS OTHERWISE NOTED SHALL BE FRACIONAL ±1/16" ANGULAR ±1/2°

3. BOND GASKET PN16 TO PLATE PN10, BOND GASKET PN20 TO PLATE PN7 WITH 3M FORMULA 1300 ADHESIVE.

4. BREAK ALL SHARP EDGES & CORNERS TO .010 MINIMUM.

5. ESTIMATED WEIGHT OF DRAIN SEAL, LESS GUIDE (PN11) 32LBS.

6. MARK PER HS-B5-0015, TYPE B, WITH DWG NO AND REV NO IN LOCATION INDICATED, 1/4" HIGH LETTERS.

7. MARK PER HS-B5-0015 TYPE B USING 1/2" HIGH LETTERS BLACK ON YELLOW AS FOLLOWS:

ASSY#1-WT 105LBS SEAL PLUG WT 32LBS

DOES NOT CONTAIN CLASSIFIED OR UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION

REVIEWING OFFICIAL/AOC: [signature]
DATE: 11-28-88

CHARLES R. ZOOK
REGISTERED PROFESSIONAL ENGINEER

JAN 1991 RELEASED TO ENGINEERING

NUMBER	TITLE	NUMBER	REFERENCES			
DRAWING TRACEABILITY LIST		NEXT USED ON				
H-2-77573	DRAWING LIST					

MICROFILMED	BY-DATE	BY-DATE	REV BY DATE	DESCRIPTION	REV
M	JR 12/5/90	TDIS 12-5-90 BHES 12-5-90	ZG 12-7-90 RM 12-11-90 EW 12-17-90	c) B-714-55 ZN F1 9-14 b) B-714-22 ZN B5 90 a) B-714-10 ZN C2 GD THRU B-714-61 GEN REV; INCORP ALL ECNs	RS 1
	WHC APPROVAL	KEH APPROVAL	REVISIONS		
	COMMENT REVIEW				

	WHC APPROVAL	DATE	IMPACT LEVEL 2 EDT #101089
	BY SR BRIGGS	12-28 1988	U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE
	PROJ ENGR JD CLOUD	12-28 1988	KAISER ENGINEERS HANFORD COMPANY
	QA H. HENRIKSON	7-29 1988	M PIPING DRAIN SEAL ASSEMBLY & DETAILS
	APPROVED BY WJM/RM ITEN	7-27 1988	
	SAFETY JLH/AG MINISTER	7-21 1988	
	APPROVED BY CRZ/JR COLLINS	7-19 1988	
	ENGINEER L HALL	7-13 1988	PROJECT TITLE GROUT VAULT PAIR 218-E-16 102&103
	DRAWN BY DJ KOLAR	3-31 1988	PROJ B-714 KO ER1060 JOB 242500
	DESIGNED BY DJ KOLAR	3-31 1988	SCALE SHOWN BLDG 218-E-16 INDEX 0402
	CAD FILE B07760BA		DRAWING NUMBER H-2-77608 SHEET 1 OF 1 REV 1
	CAD CMD ZG:DEC:ACD2:9.13:NN		

KEHCAD 1=1

0012491