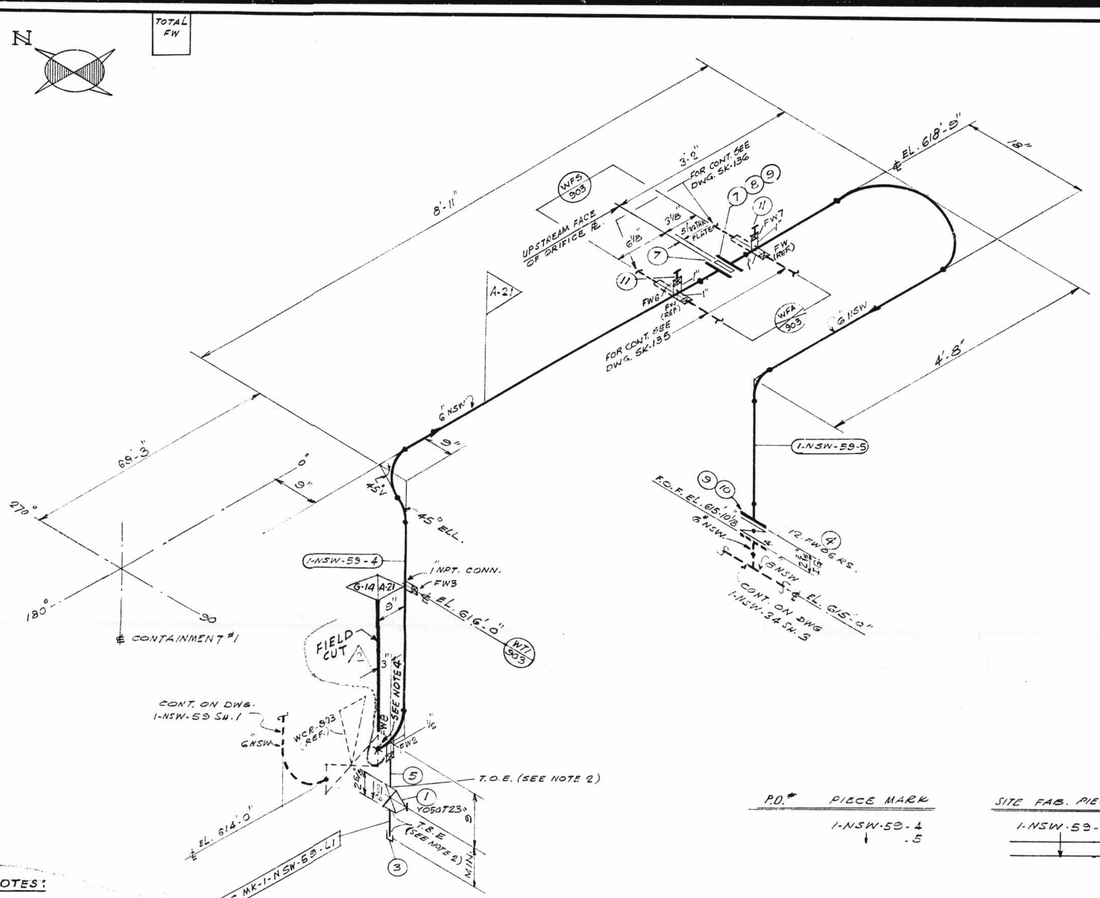

QSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
				MATERIAL 150 SH. NO. 1858		
01	1	1	1½	200# SCRD GLOBE VA. BRONZE OR BRASS	Y050T23	
	2					
	3	1	1½"	C.S. SCRD. CAP 3000#	A-181 GR. I OR II	
	4	1	6"	125# C.I. WAFER BUTTERFLY VA	12FW06RS	
	5	AS REQD	½"	PIPE (SCH. 80) SMLS C.S.	A-106 GR B.	
	6					
	7	2	6"	1/16" THK COMP. ASBESTOS GASKET RUBBER BONDED FULL FACE		
	8	8	¾ ø	3½" LG. HEX. HD.-MACH. BOLTS	A-307 GR. B	
	9	16	¾"	HEAVY HEX. NUT. CL. 2 TOL.	A-307 GR. B	
	10	8	¾ ø	5½" LG. HEX. HD. MACH. BOLTS	A-307 GR. B	
	11	2	1"	3000# C.S. S.W. PLUG.	A-181 GR. I OR II	

REV.	DATE	DR. CHK.	DESCRIPTION	REMARKS
1	9-11-74	J.E. / E.J.G.	REVISED BY N.P.S. DESIGNS: DELETED FC MK'S 1-NSW-59-L2 & L3 AND ITEM NO'S 2 & 6 FROM BM. ADDED FW BOX. INSULATION STAMP. WPS-903 & CONT. ON DWG NO'S A.E.P. ARRGT. DWG. 1-5497A-5	FIELD ACTION REQ'D —
2	1/13/82	J.L. / E.J.G.	PER RFC DC-12-2549. ADDED: "REF." & "FIELD CUT," NOTES 3,4 & 5, WELD BOX & FW8.	FIELD ACTION REQ'D

NOTES:

3. BUTT WELDS = PT-100% TESTING
   SOCKET WELDS = PT-100% TESTING
4. PROVIDE BI-METALLIC WELDS (STAINLESS STEEL - CARBON STEEL)
5. REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE.

1. WELD PROCEDURE AS FOLLOWS:
   C/S 2" # UNDER - CS-1 OR CS-6
   C/S 2½" # OVER - CS-1 OR CS-2
2. USE CRANE 425-A COMPOUND ON ALL THRD CONNECTIONS.

CONTINUED ABOVE

SIZE	QUAN.	FW
6"	22'	1
1"	–	2
½"	1'	1

TOTAL FW 1		FOR REV. 2 ONLY
SIZE	QUAN.	FW
6"	1	1

P.O.# PIECE MARK
1-NSW-59-4
.5

SITE FAB. PIECE MARK
1-NSW-59-L1
~~L6~~ VOID
~~L3~~ VOID

N.P.S. DESIGNS.
FABRICATOR NOTE: FABRICATION MUST CONFORM TO LATEST A.E.P. ARRGT. DWGS. 1-5497A

LABOR COST CONTROL	
USE ONLY WITH	
PIPE SIZE	
SCHEDULE	
TYPE	
ISO START DATE	
ISO FINISH DATE	
WORK OPERATION	LINE ITEM NUMBER
HANGER INST.	
ERECT	
WELD	
RADIO-G – X-RAY	
STRESS RELIEVE	
MISC. WORK	

LABOR COST CONTROL	
USE ONLY WITH	
PIPE SIZE	
SCHEDULE	
TYPE	
ISO START DATE	
ISO FINISH DATE	
WORK OPERATION	LINE ITEM NUMBER
HANGER INST.	
ERECT	
WELD	
RADIO-G – X-RAY	
STRESS RELIEVE	
MISC. WORK	

INSULATION
SPEC ____ FOR REQUIREMENTS

LINE SIZE	NOM THK. IN.	REMARKS
		NONE REQ'D

DESIGN SPEC.	DCCPM 102 RCS
HANGER SEISMIC CLASS	II
TEST REQUIREMENTS	N/A.
MATERIAL CLASS	A-21 SPEC. 103

R.P. = RORING POINT
T.O.E. = THREAD ONE END
T.B.E. = THREAD BOTH ENDS
P.O.E. = PLAIN ONE END
T.O.R. = TOP OF PIPE ELEV.
Q.S.L. = MATERIAL QUALITY REQUIREMENTS
T.L. = TRUE LENGTH

B.B.E. = BEVEL BOTH ENDS
P.O.E. = PLAIN ONE END
P.B.E. = PLAIN BOTH ENDS
S.O.E. = SHAPE ONE END
B.O.P. = BOTTOM OF PIPE ELEV.

FW = FIELD WELD
H = HORIZONTAL
V = VERTICAL
SW = SHOP WELD
FSW = FIELD SHOP WELD

B = FIELD WELD
O = AUTOMATIC SHOP WELD
= MANUAL SHOP WELD
= VERIFY DIMENSION IN FIELD

PIPE												
A-53	A-106 GR. B		A-376				A-312					
STD.	XY	XXY	10	20	30	40	60	80	100	120	140	160
						X						
SMLS	WLDD											

FITTINGS		
A-105	A-234	A-182
A-403	A-181	

TESTING				
N.D.T. N/A				
M.T.	P.T.	R.T.	U.T.	
PRESSURE TEST				
MED.	PRESS.	DURATION		

ADDITIONAL
D-06B

POUR/ZONE No. 105
REQUIRED COMPLETION DATE ____
FABRICATED BY TUBECO
FLOW DIAGRAM 1-5114A
Q.S.L. 01
WELD PROCEDURE SEE NOTE 1

REVISION RECORD		
NO.	DATE	DESCRIPTION

1NSW-59 (sheet 2 of 2)
Lower Containment Ventilation
Unit 1 Return Line

LIVSEY & COMPANY, INC.
DONALD C. COOK NUCLEAR PLANT

DWN. SG	DATE 11-11-71	CONTAIN. VICINITY	
CKD LAB	DATE 1-12	DWG. NO. 1-NSW-59 SH. 2 OF 2	REV. 2
ISSUED			
REF. DWG. 1-5497A			