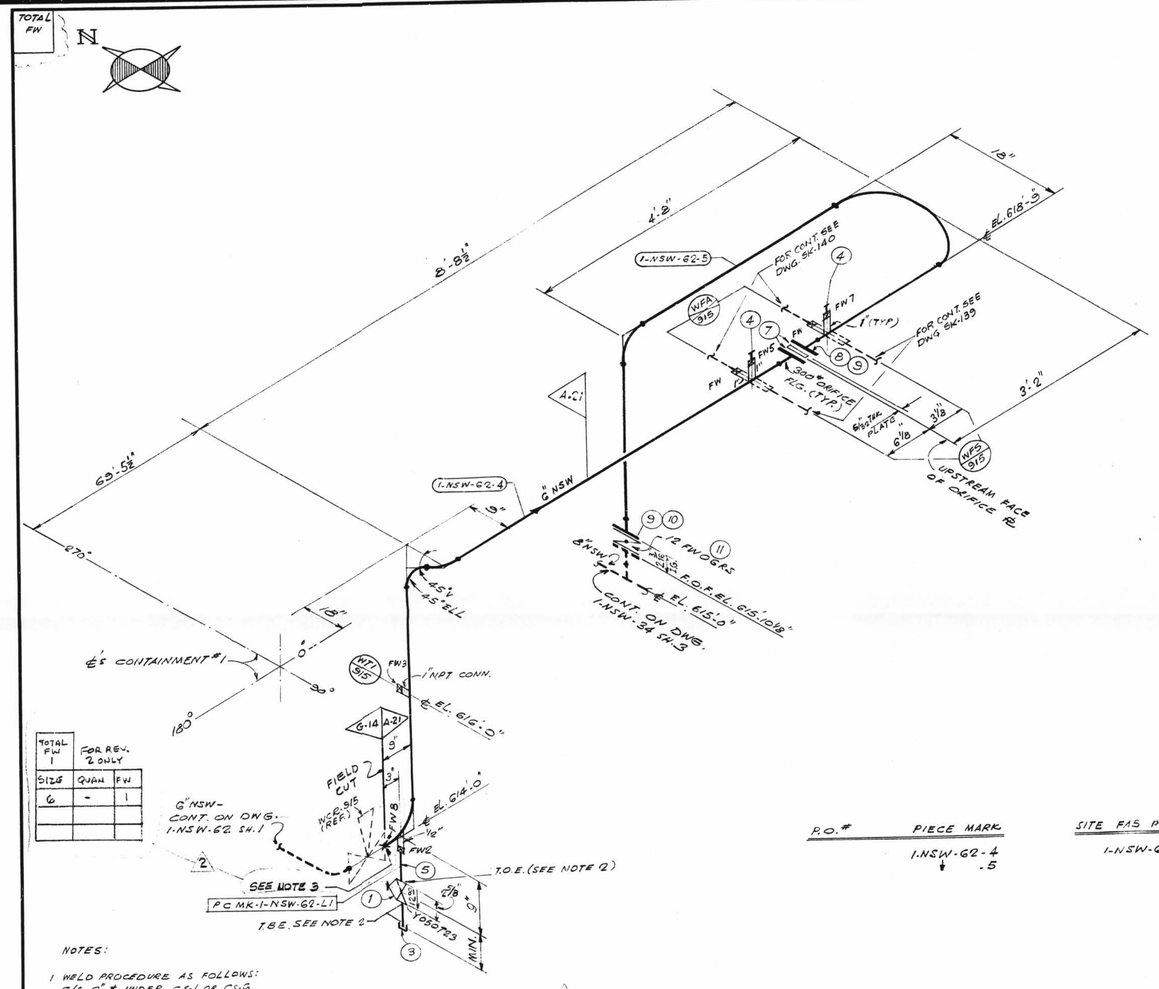

TOTAL FW 1	FOR REV. 2 ONLY	
SIZE	QUAN	FW
6"	-	1

NOTES:

1. WELD PROCEDURE AS FOLLOWS: C/S 2" & UNDER CS-1 OR CS-G; C/S 2½" & OVER CS-1 OR CS-2
2. USE CRANE 425-A COMPOUND ON ALL THRD CONNS.
3. PROVIDE BI-METALLIC WELDS (STAINLESS STEEL-CARBON STEEL)

MATERIAL 150 SH. No. 1860

QSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG NO. OR ASTM MAT'L.	HEAT NO.
01	1	1	1½"	200# SCRD GLOBE VA. BRONZE OR BRASS	Y050723	
	2					
	3	1	1½"	C.S. SCRD CAP 3000#	A-181 GR. I OR II	
	4	2	1"	C.S. S.W. PLUG 3000#	A-181 GR. I OR II	
	5	AS REQ'D	1½"	PIPE (SCH. 80) SMLS C.S.	A-106 GR. B	
	6					
	7	2	6"	1/16" THK. FULL FACE, COMP. ASBESTOS, RUBBER BOUNDED GASKET	ANSI B16.21	
	8	8	¾" ø	3½" LG. HEX. HD. MACH. BOLTS	A-307 GR. B	
	9	16	¾"	HEAVY HEX. NUT CL. 2 TOL.		
	10	8	¾" ø	5½" LG. HEX. HD. MACH. BOLTS.		
	11	1	6"	125# C.I. WAFER BUTTERFLY VA	12FW OGRS	

REV.	DATE	DR. CHK.	DESCRIPTION	REMARKS
1	3-11-74	J.E. E.J.G.	REVISED BY N.P.S. DESIGN 5: DELETED PC MKS 1-NSW-G2-L2 & L3 AND ITEM NO'S 2 & 6 FROM BM. ADDED FW BOX INSULATION STAMP. WPS-515 & CONT. ON DWG. NO'S. A.E.P. ARRGT DWG. 1-5497A-5	FIELD ACTION REQ'D
2	1/13/82	A.G. E.J.G.	PER RFC-DC-12-2549. ADDED: NOTE #3, FIELD WELD BOX, FIELD CUT & FW8.	FIELD ACTION REQ'D.

D-04B

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	

P.O.#	PIECE MARK	SITE FAS PIECE MARK
	1-NSW-G2-4 .5	1-NSW-G2-L1

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

INSULATION

SPEC _____ FOR REQUIREMENTS

SIZE	QUAN.	FW	LINE SIZE	NOM THK. IN.	REMARKS
6"	22"	1			
1"	–	2			
½"	1'	1			NONE REQ'D

DESIGN SPEC.	DCCPM 102 QCS
HANGER SEISMIC CLASS	II
TEST REQUIREMENTS	N/A
MATERIAL CLASS	A-21 SPEC 104

W.P. : WORKING POINT
T.O.E. : THREAD ONE END
T.B.E. : THREAD BOTH ENDS
B.O.E. : BEVEL ONE END
T.O.P. : 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

■ : FIELD WELD
O : AUTOMATIC SHOP WELD
● : MANUAL SHOP WELD
◆ : VERIFY DIMENSION IN FIELD

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

POUR/ZONE No. 1CS
REQUIRED COMPLETION DATE _____
FABRICATED BY TUBECO

FLOW DIAGRAM 1-15114A
Q.S.L. 01
WELD PROCEDURE SEE NOTE 1

REVISION RECORD		
NO.	DATE	DESCRIPTION

1NSW-62 (sheet 2 of 2)
Lower Containment Ventilation Unit 4 Return Line

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

DWN. J.G.	DATE 10-10-71	CONTAIN. VICINITY	
CKD. JB	DATE 1-13	DWG. NO. 1-NSW-62 SH. 2 OF 2	REV. 2
ISSUED			
REF. DWG 1-5497A			