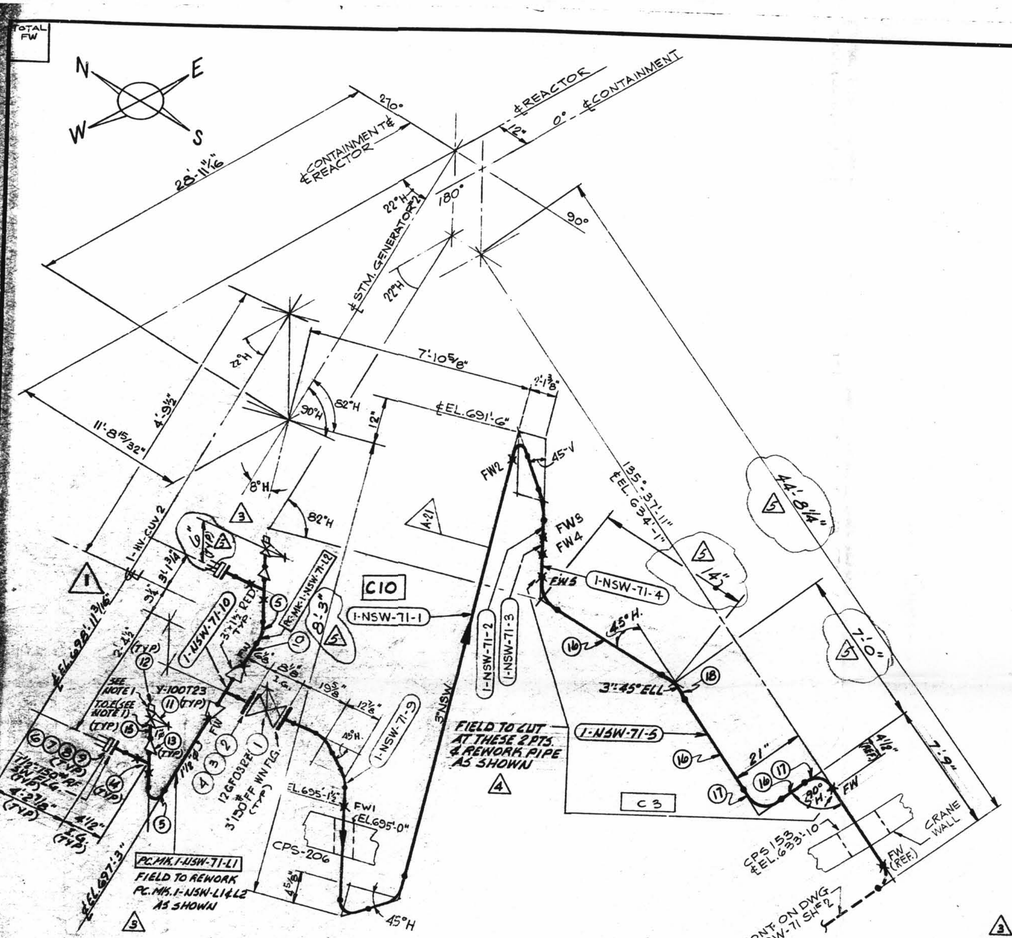

QSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
				MATERIAL ISO SH NO. 1396		
01	1	1	3"	125# C.I. FLGD GATE VA.	12GF03RZ	
	2	2	3"	1/16 THK. 150 FF GASK. COMP. ASBESTOS RUBBER BONDED		
	3	8	5/8"Ø	× 3" LG. HEX. HD. MACH. BOLT	A307 GR B	
	4	8	5/8"	HEAVY HEX. HD NUT CL. 2 TOL.	A307 GR B	
	5	2	1½"	3000# C.S. SW 90° ELL	A105 OR A105 GR I OR II	
	6	2	1½"	150# RF SW FLG.	A105 OR A105 GR I OR II	
	7	2	1½"	1/16 THK. 150# FF GASK. COMP. ASBESTOS RUBBER MOUNTED		
	8	8	½"Ø	× 2¼" LG. HEX. HD. MACH. BOLT	A307 GR B	
	9	8	½"	HEAVY HEX. HD. NUT CL. 2 TOL.	A 307 GR B	
	10	AS REQ	1½"	SMLS. C.S. PIPE SCH 80	A106 GR B	
	11	2	1"	200# THD BRONZE GLOBE VA.	Y-100T23	
	12	2	1"	3000# CS THD PLUG	A-181 GR. I OR II	
	13	2	1½"x1"	SW RED. INSERT		
	14	2	1½"	SW TEE		
	15	AS REQD	1"	PIPE (SCH. 80) SMLS CS	A-106 GR. B	
	16	AS REQD	3"	PIPE (SCH. 40) SMLS CS	A-106 GR. B	
	17	2	3"	90° ELL (SCH. 40) SMLS CS	A-234 GR. WPB OR WPB	
	18	1	3"	45° ELL (SCH. 40) SMLS CS	A-234 GR. WPB OR WPB	

1	6/19/72	CEM	ADDED: SPOOLS 9 & 10; PC. MK. 1-NSW-71-L1 & L2; BILL OF MATL. ITEMS 1 THRU 10. PER AEP DWG 1-5740 - REV 1. ADDED REF. DWG. 1-5740. REVISIONS BY NPS DESIGNS.
2			BY FIELD
3	1/31/73	J.R.	ADDED 1" VENTS & REWORKED PCS. 1-NSW-71-L1 & L2 TO SUIT. ADDED ITEMS 11 THRU 13 & CHG'D QTY OF ITEM 2. ADDED DIM'S. PER AEP ARRG'T. DWG. 1-5744 - REV. 5
4	3/5/73	J.R. L.F.	REVISED BY N.P.S. DESIGNS. REVISED PC. MK. 1-NSW-71-3. ADDED FIELD NOTE, FW 5, SH. 1. ITEMS 16, 17 & 18. REVISED ARRG'T. DWG. 1-5489A REV A
5	10/9/73	L.R. R.K.	REVISED BY N.P.S. DESIGNS. ADDED: NOTE 2. DIMS. 14'-7'-0". DIM. G" WAS MIN. 8'-3" WAS 7'-9" 44'-8 1/4" WAS 45'-0" PER AS BUILT DIMS. A.E.P. DWG. NOS. 1-5489A-A & F-5740-6

FIELD ACTION REQ | FAB ACTION REQ

NO ACTION REQ'D.

D-57A

1-NSW-71 (Sheet 1 of 2)
Upper Containment Ventilation
Unit 2 Return Line

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
458	1-NSW-71-1
	-2
	-3
	-4
792	-5
792	-9
	-10

SITE FAB. PIECE MARK
PC-MK-1-NSW-71-L1
L2

NOTES:
1. USE CRANE 425A OR GRINNELL 169B COMPOUND ON ALL THREADED CONN'S.
2. WELD PROCEDURE AS FOLLOWS:
c/s 2½" & UNDER = CS-6
c/s 3" & OVER UP TO ¾" WALL CS-1 OR CS-2
¾" WALL & UP = CS-5

N.P.S. DESIGNS.

FABRICATOR NOTE: FABRICATION MUST CONFORM TO LATEST A.E.P. ARRGT. DWGS.

SIZE	QUAN.	FW
3"	85'-6"	7
2"	3'-0"	2

DESIGN SPEC.	DCCPM102RCS
HANGER SEISMIC CLASS	II
TEST REQUIREMENTS	N/A
MATERIAL CLASS	A-21 SP-104

W.P. = WORKING POINT
T.B.E. = THREAD ONE END
T.B.B. = THREAD BOTH ENDS
B.B.E. = BEVEL ONE END
T.O.P. = TOP OF PIPE ELEV.
G.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
F = FIELD WELD
A = AUTOMATIC SHOP WELD
M = MANUAL SHOP WELD
V = 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. 1C2, 1C7, 1C10
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO

FLOW DIAGRAM 1-2-5114A
O.S.L. 01
WELD PROCEDURE SEE NOTE 2

REVISION RECORD

NO.	DATE	DESCRIPTION

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

DWN. LGR	DATE 7-20-71	CONTAINMENT BLDG	
CKD. GN	DATE 7-21-71	DWG. NO.	REV.
ISSUED		1-NSW-71 SH. 1 OF 2	5
REF. DWG. 1-5489A			

1-5740