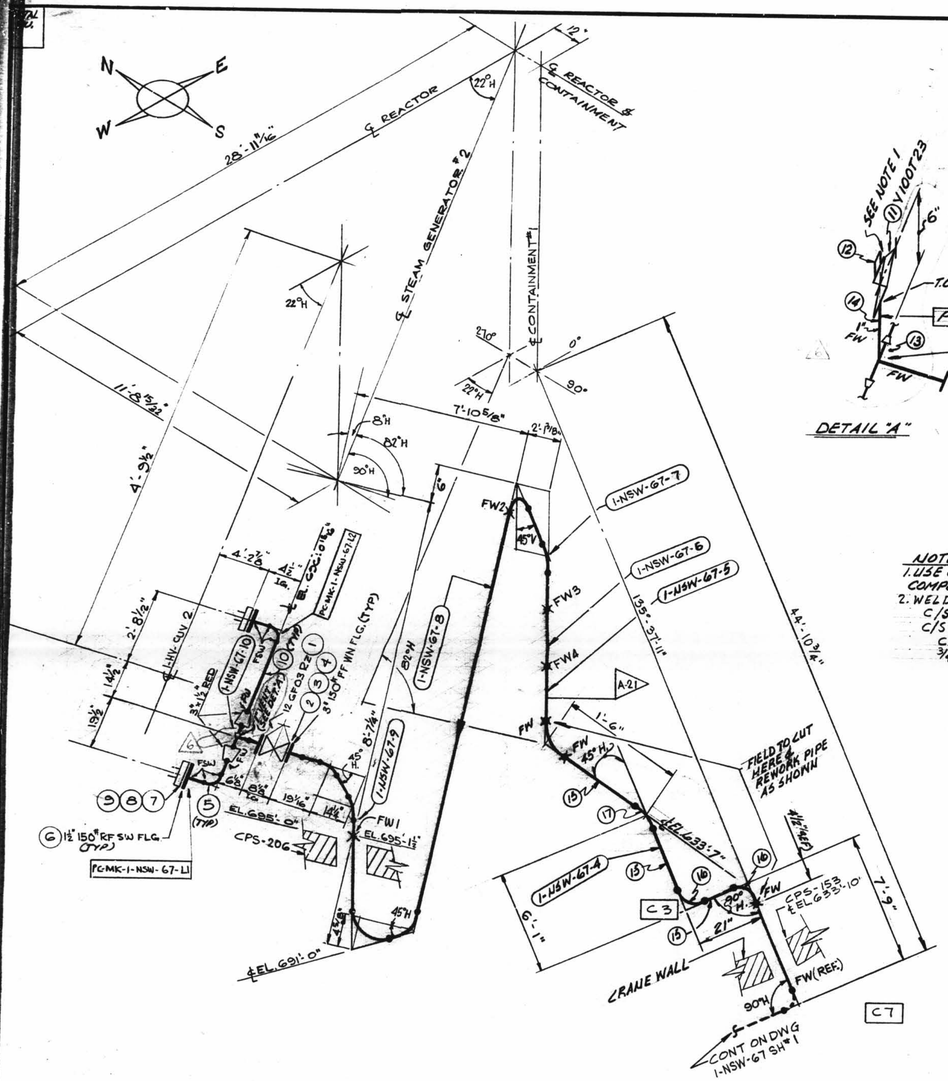

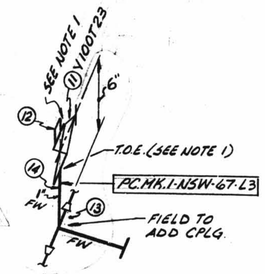

DETAIL "A"

NOTES:
1. USE CRANE 425-A OR GRINNELL 1698 COMPOUND ON ALL THREADED CONN'S.
2. WELD PROCEDURE AS FOLLOWS:
C/S 2½" & UNDER = C.S.-6
C/S 3" & OVER UP TO ¾" WALL
CS-1 OR CS-2
¾" WALL & UP = CS-5

MATERIAL ISO SH NO. 1444

QSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	1	3"	125# CI. FLG'D GATE VALVE	12GF09RZ	
	2	2	3"	1/16" THK. 150# FF GASK. COMP. ASBESTOS RUBBER BONDED		
	3	8	5/8"	x 3" LG HEX. HD. MACH. BOLT	A307 GR B	
	4	8	5/8	HEAVY HEX. NUT CLASS 2 TOL.	A307 GR. B	
	5	4	1½"	3000# C.S. SW 90 ELL	A181 OR A105 GR 1 OR II	
	6	2	1½"	150# RF S.W. FLG.	A-181 OR A-105 GR I OR II	
	7	2	1½"	1/16" THK. 150# FF GASK. COMP. ASBESTOS RUBBER BONDED		
	8	8	½"	x 2¼" LG. HEX. HD. MACH. BOLT	A307 GR B	
	9	8	½"	HEAVY HEX. NUT CL 2. TOL	A307 GR B	
	10		1½"	SMLS C.S. PIPE SCH 80	A106 GR B	
	11	1	1"	200# THD. BRONZE GLOBE VA.	Y-100T23	
	12	1	1"	3000# CS THD. PLUG	A-181 GR. I OR II	
	13	1	1"	3000# CS SW H. CPLG	A-181 GR. I OR II	
	14	12.00 FT	1"	PIPE (SCH. 80) SMLS CS	A-106 GR. B	
	15	12.00 FT	3"	PIPE (SCH. 40) SMLS CS	A-106 GR. B	
	16	2	3"	90° ELL (SCH. 40) CS	A-234 SA WPB OR WPB	
	17	1	3"	45° ELL (SCH. 40) CS	A-234 GR. WPB OR WPB	

	1	7/19/72	CRM / P.P.	ADDED: SPOOLS 9 & 10; PC-MK-1-NSW-67-L1 & L2; BILL OF MATL. ITEMS 1 THRU 10. PER AEP DWG. 1-5740-REV. 1. ADDED REF. DWG. 1-5740. REV. BY N.P.S. DESIGN. CONT DWG. 1-NSW-67-1 WAS 2	FIELD ACTION REQ'D / F.A.B. ACTION REQ'D
	2			BY FIELD	
	3	2/1/73	J.Q. / J.C.	ADDED: 1" VENT. PC 1-NSW-67-L3. DET. A, NOTE 1, ITEMS 11 THRU 17 & SPOOL 7-9. AEP ARR'G'T DWG. 1-5744 REV. 5	FIELD ACTION REQ'D / —
	4	3/15/73	J.Q. / J.F.	REVISED BY N.P.S. DESIGNS. REVISED PC MKS. 1-NSW-67-4 & 1-NSW-67-5. ADDED FIELD NOTES, FW'S & ITEMS 15, 16 & 17. PER AEP ARR'G'T DWG. 1-5489A REV. 4	FIELD ACTION REQ'D / —
	5	9/28/73	B.M. / C	REVISED BY NPS PER AS BUILT DIM'S. 4'-8"=10 3/4" WAS 45'-0", 8'-7 1/4" WAS 8'-3", 2'-8 7/8" WAS 2'-9 1/4", 14 1/4" WAS 13 3/4". ADDED DIM 11'-6", & NOTE 2. AEP ARR'G'T DWG. 1-5489A-4 1-5740-6	NO ACTION REQ'D
MF	6	7/26/79	SGM / [illegible]	RELOCATED TAP FOR Y-100T23 & ADDED DIM. PER REF: DC-12-2641 (AS-BUILT)	NO ACTION REQ'D.

1-NSW-67 (Sheet 2 of 2)
Upper Containment Ventilation
Unit 2 Supply Line

P.O.# PIECE MARK

1-NSW-67- 4
5
6
7
8
792 9
792 10

SITE FAB. PIECE MARKS
PC-MK-1-NSW-67- L1
L2
L3

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

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	

SIZE	QUAN.	FW
3"	83'-0"	7
1½"	5'-0"	2
1	1	2

DESIGN SPEC.	DCCPM102 QCS
HANGER SEISMIC CLASS	II
TEST REQUIREMENTS	N/A
MATERIAL CLASS	A-21 SP.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

B = FIELD WELD
O = AUTOMATIC SHOP WELD
M = MANUAL SHOP WELD
R = 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

POUR/ZONE No. 163, 167, 1610
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 7-21-71	CONTAINMENT BLDG.	
CKD. GN	DATE 7-22-71	DWG. NO.	REV
ISSUED		1-NSW-67 SH 2 OF 2	6
REF. DWG. 1-5420 & 1-5740			

D-54B