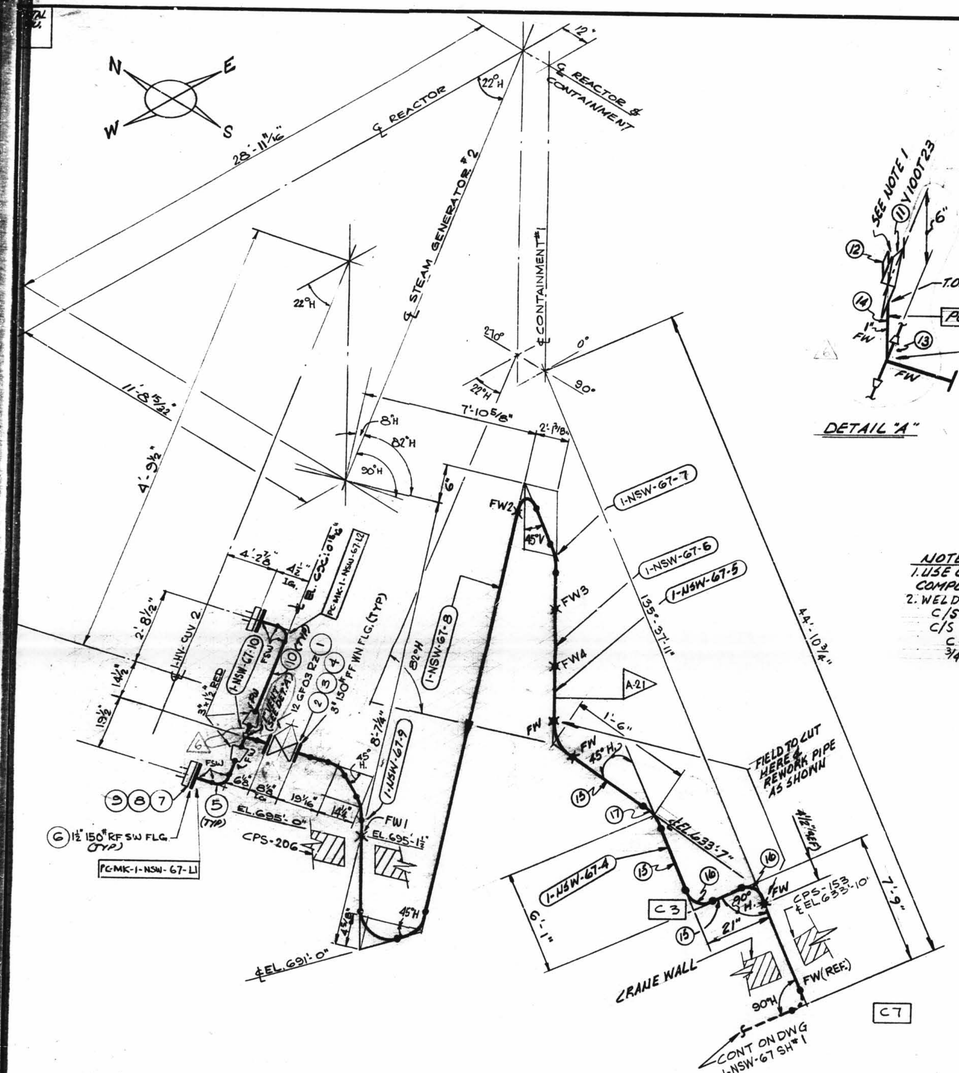

NOTES:
1. USE CRANE 425-A OR GRINNELL 1698 COMPOUND ON ALL THREADED CONN'S.
2. WELD PROCEDURE AS FOLLOWS:
   C/S 2½" & UNDER = C.S.-6
   C/S 3" & OVER UP TO ¾" WALL
   CS-1 OR CS-2
   ¾" WALL & UP = CS-5

P.O.± PIECE MARK

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

792
792

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

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	12GF03RZ	
	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 I OR II	
	6	2	1½"	150# RF S.W. FLG.	A-105 OR A-105 GR II OR IV	
	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	A 307 GR B	
	10		1½"	SMLS C.S. PIPE SCH 80	A 106 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	AS REQD	1"	PIPE (SCH. 80) SMLS CS	A-106 GR. B	
	15	AS REQD	3"	PIPE (SCH. 40) SMLS CS	A-106 GR B	
	16	2	3"	90° ELL (SCH. 40) CS	A-234 GR WPA OR WPB	
	17	1	3"	45° ELL (SCH. 40) CS	A-234 GR WPA 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 NPS DESIGN. CONT DWG. 1-NSW-67-1 WAS 2	FIELD ACTION REQ'D / FAB. ACTION REQ'D
2			BY FIELD	
3	2/1/73	J.A. / J.F.	ADDED: 1" VENT, PC 1-NSW-67-L3, DET. A, NOTE 1, ITEMS 11 THRU 17 & 3" SPOOL 10. PER AEP ARR'G'T DWG. 1-5744 REV. 5	FIELD ACTION REQ'D —
4	3/15/73	J.A. / J.F.	REVISED BY NPS DESIGNS. REVISED PC MK'S 1-NSW-67-4 & 1-NSW-67-5. ADDED FIELD NOTE, FW 4 ITEMS 15 & 16 & 3" SPOOL PER AEP ARR'G'T DWG. 1-5744 A REV. 6	FIELD ACTION REQ'D —
5	9/28/73	B.M. / JC	REVISED BY NPS PER AS BUILT DIM'S. 4'-10 3/4" WAS 4'-5 0", 8'-7 1/2" WAS 8'-3", 2'-8 1/2" WAS 2'-9 1/4", 14 1/2" WAS 13 3/4". ADDED DIM 11'-6 5/8" & NOTE 2. AEP ARR'G'T DWG. 1-5744 A REV. 7	NO ACTION REQ'D
6	2/26/74	SGM / JC	RELOCATED TAP FOR Y-100T23 & ADDED DIM. PER RFC-DC-12-2641 (AS-BUILT)	NO ACTION REQ'D.

MF

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

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

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

DESIGN SPEC.	DCCPM102 QCS
HANGER SEISMIC CLASS	II
TEST REQUIREMENTS	N/A
MATERIAL CLASS	A-21 SP. 104

R.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.
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

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

PIPE																			
A-53		A-106 GR. B		A-376		A-312													
STD.	XS	XXS	10	20	30	X	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. 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. 1-5740			

D-54B