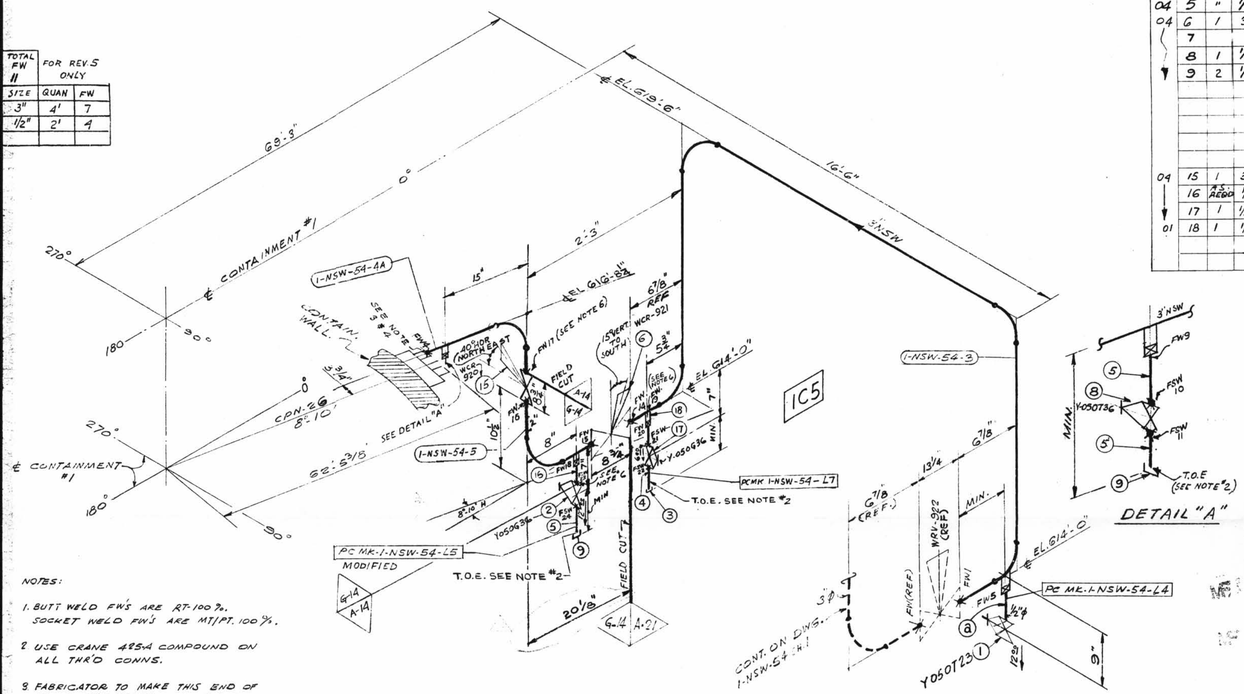
TOTAL FW
13

TOTAL FW 11	FOR REV.5 ONLY	
SIZE	QUAN	FW
3"	4'	7
1½"	2'	4



NOTES:

1. BUTT WELD FW'S ARE RT-100%. SOCKET WELD FW'S ARE MT/PT. 100%.
2. USE CRANE 425A COMPOUND ON ALL THR'D CONNS.
3. FABRICATOR TO MAKE THIS END OF SPOOL 6" LONGER WITH PLAIN END TO FACILITATE INSTALLATION.
4. FW'S PERTAINING TO THIS NOTE ARE TO BE MADE AFTER PIPE IS PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS BUILT CPN.
5. PIPE 2" & UNDER CS (LATER). PIPE 2½" & UP CS (LATER).
6. PROVIDE BI-METALLIC WELDS (STAINLESS STEEL-CARBON STEEL)
7. REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE

P.O.#	PIECE MARK	SITE FAB PIECE MARK
528	1-NSW-54-3	1-NSW-54-L4
530	-4A	-L5
	5	-L6
		-L7

D-84B

N.P.S. DESIGNS

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

SIZE	QUAN.	FW
3"	27'-0"	7
1½"	2'-0"	6

G-14 DESIGN SPEC. DCCPM 109 QCN
HANGER SEISMIC CLASS I
TEST REQUIREMENTS QL - 4
WELD PROCEDURE
QSL - 04 TESTING SEE NOTE 1

A-14 DESIGN SPEC. DCCPM 103 QCN
HANGER SEISMIC CLASS I
TEST REQUIREMENTS QL- 4
WELD PROCEDURE SEE NOTE 5
QSL- 04 TESTING SEE NOTE #1

A-21 DESIGN SPEC. DCCPM 102 SCS
HANGER SEISMIC CLASS II
TEST REQUIREMENTS QL- 1
WELD PROCEDURE SEE NOTE 5
QSL- 01 TESTING N/A

DESIGN SPEC.	SES
HANGER SEISMIC CLASS	DESIGN
TEST REQUIREMENTS	CODE
MATERIAL CLASS	STAMP

PIPE													
A-53		A-106		A-376		A-312							
		GR. B		GR TP-304									
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. SEE DESIGN CODE STAMP			
M.T.	P.T.	R.T.	U.T.
PRESSURE TEST			
MED.	PRESS.	DURATION	

B.E.E. - BEVEL BOTH ENDS
P.B.E. - PLAIN ONE END
P.B.E. - PLAIN BOTH ENDS
S.E.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
FF = TO FACE OF FLANGE

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

ADDITIONAL

POUR/ZONE No. 1C5
REQUIRED COMPLETION DATE
FABRICATED BY TUSECO

FLOW DIAGRAM 1-5114A
Q.S.L. SEE DESIGN
WELD PROCEDURE CODE STAMP

REVISION RECORD		
NO.	DATE	DESCRIPTION

1NSW-54 (sheet 2 of 2)
Upper Containment Ventilation
Unit 1 Supply Line

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

DWN. S.G. DATE 10-4-71 CONTAIN. VICINITY
CKD. WJP DATE 10-8-71 DWG. NO. 1-NSW-54 SH. 2 OF 2 REV. 6
ISSUED
REF. DWG. 1-54B7A

MATERIAL 150 SH. No. 1816

OSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MATL.	HEAT NO.
01	1	1	½"	600# SCRD GLOBE VA BRONZE OR BRASS	Y050T23	
04	2	1	½"	600# S.W. GATE VA. C.S.	Y050G36	
01	3	1	½"	SCRD CAP C.S. 3000#	A-181 GR. I OR II	
	4	AS REQD	½"	PIPE (SCH. 80) SMLS C.S.	A-106 GR. B	
04	5	"	½"	"	"	
04	6	1	3"	B.W. DIAPH. CONTROL VA. S.S	WCR-921	
	7					
	8	1	½"	600# C.S. S.W. GLOBE VALVE	Y-050T36	
	9	2	½"	3000# THD. CAP	A-105 II	
04	15	1	3"	B.W. DIAPH. CONTROL VA. S.S	WCR-920	
	16	AS REQD	½"	PIPE (SCH. 40 &) SMLS. S.S.	A-312 GR TP-304	
	17	1	½"	600# S.W GATE VALVE C.S.	Y-050G36	
01	18	1	½"	3000# C.S HALF CPLG.	A-181 GR I OR II	

REV.	DATE	DR CHK	DESCRIPTION	REMARKS
1	4/25/72	SG. G.N.	RELEASED: PIPING AT CPN. ADDED: NOTES 3,4 & 5; ITEM G; P.O.#; BOX FOR TOTAL NO. OF FW; PC MK 4A; FW. REV: NOTE 1; LOCATION OF SPEC CHG; WELD PROCEDURE; TESTING FOR FW2. DELETED: VALVE FSW 8 & 10. PER DWG.: 1-5497A-4	FIELD ACTION REQ'D / FAB. ACTION REQ'D.
2	7/19/75	P.A.	REV'D.: ITEM #2 Y050G36 WAS CY050G36 - REVISED BY A.E.P.	NO ACTION REQ'D.
3	1/20/76	W.M.	REVISED BY A.E.P. DESIGN PER EFC-DC-12-G71 TO REFLECT AS BUILT WHEN CHECK VALVE WAS ADDED	NO ACTION REQ'D.
4	2/2/78	H.B. LB	PER RFC #12-1430 DELETE ITEM 7 & ADDED ITEM 16 17 18 19 14. SEE DET. "B".	FIELD ACTION REQ'D.
5	1/13/82	K.A.	PER RFC DC-12-2549 ADDED: PIPE SPEC. G-14, DIM'S, PC MK 1-NSW-54-5 & 1-NSW-54-L7. FIELD WELD BOX NOTES 6 & 7, FIELD WELDS N514 THRU 20, FSW21 THRU 24, ITEM NO'S 15 TO 18 IN B/M, DELETED ITEM NO'S 10 THRU 14 FROM B/M, PC MK 1-NSW-54-4 REVISED ITEMS 3, 6 & 9 IN B/M & MODIFIED PC. MK. 1-NSW-54-L5.	FIELD ACTION REQ'D
6	1/28/82	JW	PER RFC DC-12-2549 ADDED 3-10" & ANGLE & BOX DIM.	NO ACTION REQ'D.

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	

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MISC. WORK	