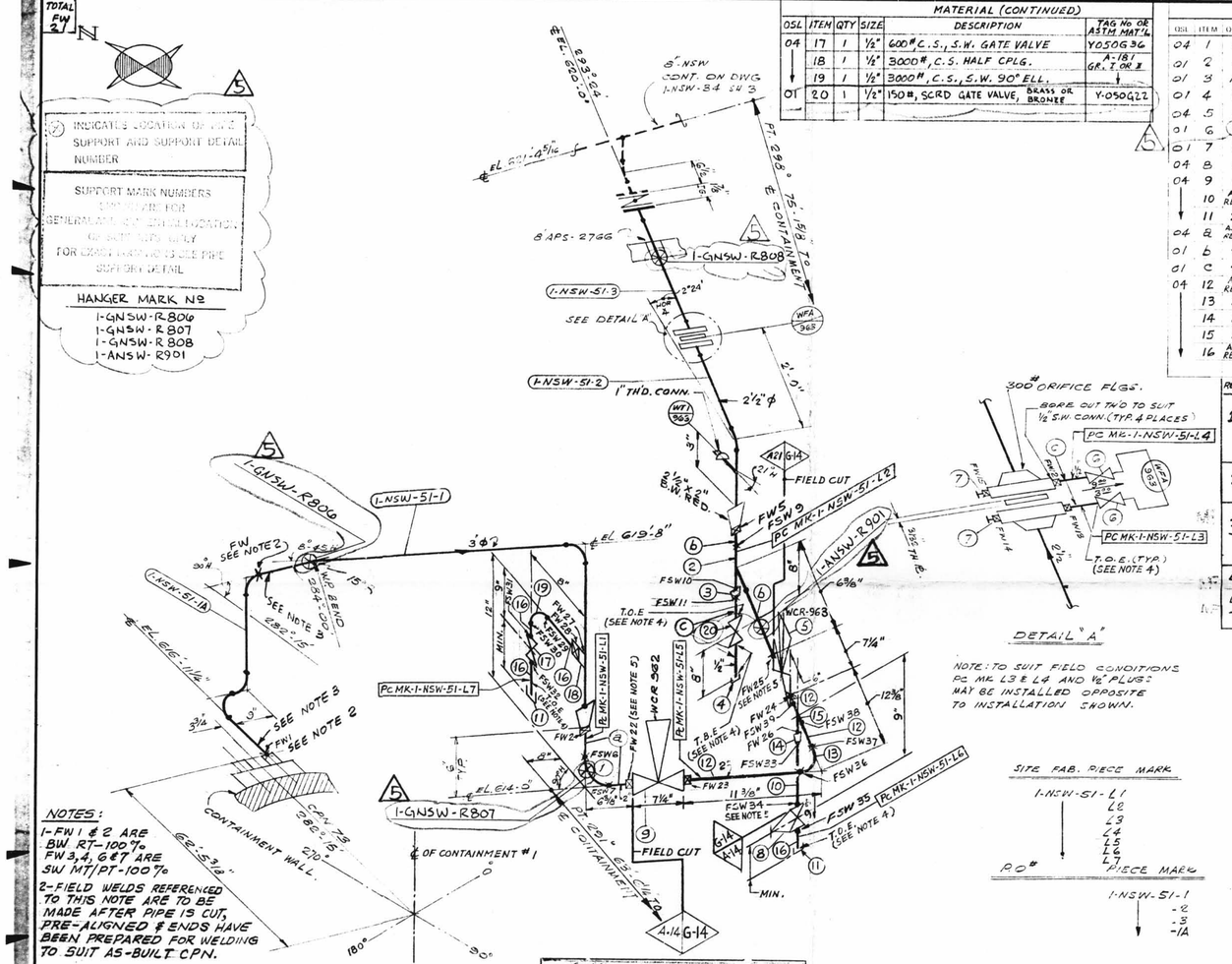
TOTAL FW 27

INDICATES LOCATION OF PIPE SUPPORT AND SUPPORT DETAIL NUMBER

SUPPORT MARK NUMBERS ARE FOR GENERAL ARRANGEMENT LOCATION OF SUPPORTS ONLY. FOR EXACT LOCATIONS SEE PIPE SUPPORT DETAIL

HANGER MARK Nº
1-GNSW-R806
1-GNSW-R807
1-GNSW-R808
1-ANSW-R901



NOTE: TO SUIT FIELD CONDITIONS PC MK L3 & L4 AND ½" PLUG MAY BE INSTALLED OPPOSITE TO INSTALLATION SHOWN.

NOTES:

1-FW 1 & 2 ARE BW RT-100%
FW 3,4, 6 & 7 ARE SW MT/PT-100%

2-FIELD WELDS REFERENCED TO THIS NOTE ARE TO BE MADE AFTER PIPE IS CUT, PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS-BUILT CPN.

3-SPOOL TO BE FABRICATED WITH 6" EXTRA PIPE & PLAIN END TO FACILITATE INSTALLATION.

4-USE CRANE #25-A COMPOUND ON ALL THREADED CONNECTIONS.

5. PROVIDE BI-METALLIC WELDS. (STAINLESS STEEL- CARBON STEEL.)
6. REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE.
7. BUTT WELDS: RT-100% TESTING. SOCKET WELDS: PT-100% TESTING.

SIZE	QUAN.	FW
3	20	2
2½	17	—
2	3	12
½	1	7

TOTAL FW 18 FOR REV. 3 ONLY

SIZE	QUAN.	FW
2"	2'-0"	9
½"	2'-0"	9

A-21 DESIGN SPEC. DCCPM 102 QCS
HANGER SEISMIC CLASS 2
TEST REQUIREMENTS QL 1
WELD PROCEDURE
QSL 21 TESTING N.A.

A-14 DESIGN SPEC. DCCPM 103 QCN
HANGER SEISMIC CLASS 2
TEST REQUIREMENTS QL 4
WELD PROCEDURE
QSL 04 TESTING SEE NOTE #1

G-14 DESIGN SPEC. DCCPM 102 QCN
HANGER SEISMIC CLASS 1
TEST REQUIREMENTS QL 4
WELD PROCEDURE
QSL 04 TESTING SEE NOTE 7

MATERIAL (CONTINUED)

OSL	ITEM	QTY	SIZE	DESCRIPTION	TAG No OR ASTM MAT'L
04	17	1	½"	600# C.S., S.W. GATE VALVE	Y050G36
↓	18	1	½"	3000#, C.S. HALF CPLG.	A-181 GR. I OR II
	19	1	½"	3000#, C.S., S.W. 90° ELL.	↓
01	20	1	½"	150#, SCRD GATE VALVE, BRASS OR BRONZE	Y-050G22

MATERIAL 150. SW. NO. 1811

OSL	ITEM	QTY	SIZE	DESCRIPTION	TAG No OR ASTM MAT'L	HEAT NO
04	1	1	2"	C.S. SW. 90° ELL 3000#	A-181 GR. I OR II	
01	2	1	2"	C.S. S.W. TEE 3000#	"	
01	3	1	2"x½"	RED INSERT 3000#	"	
01	4	1	½"	SCRD CAP 3000#	"	
04	5	1	2"	S.W. DIAPH. CONTROL VALVE, S.S.	WCR-963	
01	6	2	½"	200# SCRD GLOBE VA BRONZE OR BRASS	Y050T28	
01	7	4	½"	SCRD [illegible] 3000#	[illegible]	
04	8	1	½"	C.S., S.W. GLOBE VALVE	Y050T36	
04	9	1	2"	S.W. DIAPH. CONTROL VALVE, S.S.	WCR-962	
↓	10	AS REQ'D.	½"	PIPE (SCH. 80S) SMLS., S.S.	A-312 GR. TP-304	
	11	2	½"	3000# SCR'D. CAP, C.S.	A-181 GR. I OR II	
04	12	AS REQ'D.	2"	PIPE (SCH. 80) SMLS CS	A-106 GR. B	
01	b	"	2"	"	"	
01	c	"	½"	"	"	
04	12	AS REQ'D.	2"	PIPE (SCH. 80S) SMLS., S.S.	A-312 GR. TP-304	
	13	1	2"	90° ELL., S.W., S.S. 3000#	A-182 GR. F-304	
	14	1	2"x½"	RED. INSERT, 3000#, S.S.	↓	
	15	1	2"	3000#, S.S., S.W. TEE		
↓	16	AS REQ'D.	½"	PIPE (SCH. 80) SMLS., C.S.	A-106 GR. B	

REV.	DATE	DR CHK	DESCRIPTION	REMARKS
1	12/14/72	I.F	REVISED BY NPS DESIGNS: REMOVED HOLD ON PC MK 1-NSW-51-1, ADDED: PC MK 1-NSW-51-1A, NOTES 2 & 3, FWS PER DWG. 1-5497A REVISION 5	FIELD ACTION REQ'D —
2	1/20/76	HM	REVISED BY A.E.P. DESIGN PER RFC-DC-12-2549 TO REFLECT AS BUILT WHEN CONTROL VALVE WAS ADDED	NO ACTION REQ'D.
3	1/13/82	WT/LG	PER RFC-DC-12-2549, ADDED: PIPE SPEC. G-14, DWS, PC MK L5, L6 & L7, WELD BOX NOTES 5, 6 & 7, FIELD WELDS FW 22 TO 28, FSW 29 TO 39 & ITEMS 9 TO 19 TO B/M, REVISED ITEM Nos. 4 & 5 IN B/M, DIM. 11 3/8" WAS 10 3/8", ADDED 2"x24".	FIELD ACTION REQ'D.
4	3/26/82	JM LB	PER RFC-DC-12-2549 ITEMS 10 & 12 WERE SCH. 40S PIPE	FIELD ACTION REQ'D.
5	8/1/82	DW/LB	PER RFC-DC-12-2876 REV'D ITEM 6 QTY 3 TO 2. ADDED ITEM 20 AND SUPPORT MARK NºS. SUPERSEDED HGR 150 1-GNSW-51. ALL ABOVE TO REFLECT AS-BUILT CONDITIONS.	NO FIELD ACTION REQ'D

SITE FAB. PIECE MARK

1-NSW-51-L1
L2
L3
L4
L5
L6
L7

P.O# PIECE MARK

1-NSW-51-1
-2
-3
-1A

N.P.S. DESIGNS

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	

DESIGN SPEC.
HANGER SEISMIC CLASS
TEST REQUIREMENTS
MATERIAL CLASS

A.P. ADRAINS PLOW; T.B.E. THREAD BOTH ENDS; B.O.E. BEVEL ONE END; T.O.P. TOP OF PIPE; O.S.L. OVERSIZE LENGTH; 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. SOCKET ONE END; B.O.P. BOTTOM OF PIPE; F.A.W. FIELD ASSEMBLY WELD; H. HORIZONTAL; V. VERTICAL; A.W. ASSEMBLY WELD; F.A.W.S. FIELD SHOP WELD; F. FIELD WELD; O. AUTOMATIC SHOP WELD; ■ MANUAL SHOP WELD; ★ VERIFY DIMENSION IN FIELD

PIPE													
A-53		A-106		A-376		A-312							
		GR B				GR. TP-304							
STD.	XY	XXY	10	20	10	40	60	80	100	120	140	160	
SMLS		WLDD											

FITTINGS			
A-105	A-234	A-182	
A-403	A-181		

TESTING				
N.D.T.				
M.T.	P.T.	R.T.	U.T.	
PRESSURE TEST				
MED.	PRESS.	DURATION		

ADDITIONAL

REVISION RECORD

POUR ZONE No. 105
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO
FLOW DIAGRAM 1-5114A
O.S.L.
WELD PROCEDURE

1NSW-51
Instrument Room Ventilation Unit 3 Return Line

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

DWN SG	DATE 3-24-71	CONTAIN. VR. UNIT 1	
CKD GN	DATE 10-5-71	DWG. NO. 1-NSW-51	REV. 5
ISSUED			
REF DWG 1-5497A			

D-82