

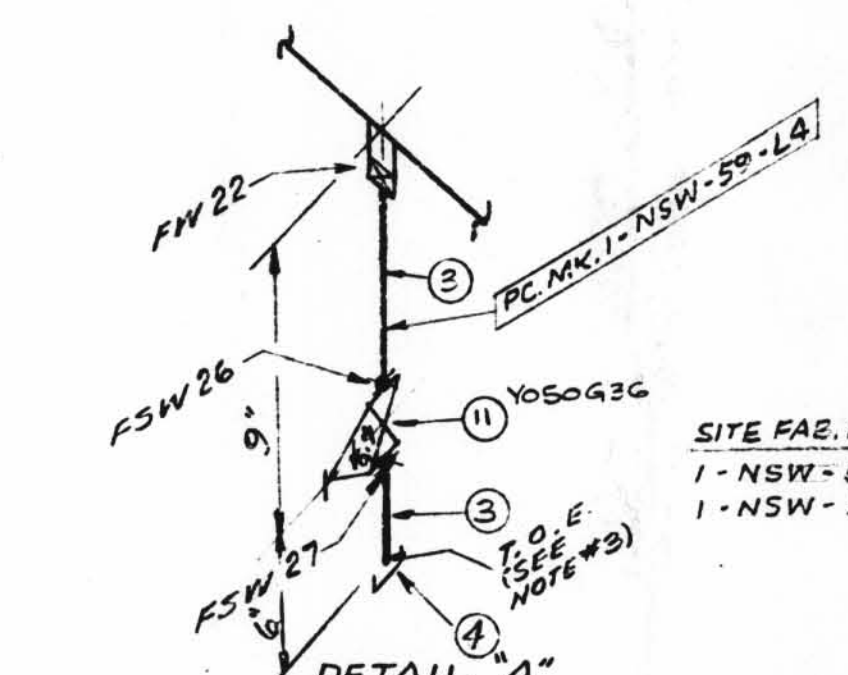
- NOTES:
1. FIELD WELDS REFERENCED TO THIS NOTE ARE TO BE MADE AFTER PIPE IS CUT, PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS-BUILT CPN.
  2. SPOOL TO BE FABRICATED WITH 6" EXTRA PIPE AND PLAIN END TO FACILITATE INSTALLATION.
  3. USE CRANE 425-A COMPOUND ON ALL THREADED CONNECTIONS.
  4. BUTT WELDS - PT-100% TESTING  
SOCKET WELDS - PT-100% TESTING
  5. PROVIDE BI-METALLIC WELDS (STAINLESS STEEL - CARBON STEEL)
  6. REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE.

TOTAL FW	FOR REV. 2 ONLY
12	
SIZE	QUAN. FW
6"	4 6
1/2"	3 6

INDICATES LOCATION OF PIPE SUPPORT AND SUPPORT DETAIL NUMBER

SUPPORT MARK NUMBERS SHOWN ARE FOR GENERAL LOCATION ONLY FOR EXACT LOCATIONS SEE PIPE SUPPORT DETAIL

HANGER MARK NO  
1-ANSW-R 922



DESIGN SPEC. DCCPW 103 QCN  
HANGER SEISMIC CLASS I  
TEST REQUIREMENTS QL-4  
WELD PROCEDURE QSL-64 TESTING SEE NOTE 4

DESIGN SPEC.		FITTINGS		TESTING		ADDITIONAL	
A-33	A-104	A-376	A-312	A-105	A-234	A-182	N.D.T.
GR. B			GR. TP-304				M.T. P.T. RT. UT.
STD.	XY	XXY	10 20 30 40 60 80 100 120 140 160	A-403	A-181		PRESSURE TEST
SMLS	WELD						MED. PRESS. DURATION

MATERIAL 150 SH. NO. 1313

QSL	ITEM	QTY	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L	HEAT NO.
04	1	1	6"	B.W. DIAPH. CONTROL VA. S.S.	WCR-903	
3	1/2"			PIPE (SCH 80) SMLS C.S.	A-106 GR. B.	
4	1/2"			C.S. SCHED. CH 3000*	A-181 GR. TP. 304	
5	1/2"			L.R. ELL. 90° BW (SCH. 40) C.S.		
7	1/2"			45° ELL. BW (SCH. 40) C.S.		
8						
9	1/2"			B.W. DIAPH. CONTROL VA. S.S.	WCR-902	
10	1/2"			PIPE (SCH. 40S) SMLS. S.S.	A-312 GR. TP. 304	
11	2			600° C.S. S.W. GATE VA.	Y-050G3G	

REV.	DATE	DR.	DESCRIPTION	REMARKS
1	1/20/82	N.M.	REVISED BY A.E.P. DESIGN PER REC-DC-12-671 TO REFLECT AS BUILT WHEN ISOLATION VALVE WAS ADDED.	NO ACTION REQ'D.
2	1/13/82	J.L.	PER RFC DC-12-2549, ADDED DIM'S, PC.MK. 6709 & L4 & L5, WELD BOX, NOTES 5, 6 & 7, FIELD WELDS 16 TO 23 & FSW 24 TO 27, ITEM NOS 31011 TO 321, DELETED ITEM 688 FROM BIM, REVISED ITEM NOS. 1, 2 & 5 IN BIM.	FIELD ACTION REQ'D.
3	1/28/82	DR	PER RFC-DC-12-2549 BOXED DIMEN. INDICATES FIELD INFO. DIM 12" DIM.	NO FIELD ACTION REQ'D.
4	8/11/82	DR	PER RFC-DC-12-2549 REV'D VALVE TYPE & ITEM 11 FROM 1 TO 2, DELETED ITEM 2, ADDED SUPPORT MARK NOS AND SUPERSEDED HGR 150 1-NSW-59 MAT'L ALL ABOVE TO REFLECT AS-BUILT CONDITIONS.	NO FIELD ACTION REQ'D.

LABOR COST CONTROL		LABOR COST CONTROL	
USE ONLY WITH		USE ONLY WITH	
PIPE SIZE		PIPE SIZE	
SCHEDULE		SCHEDULE	
TYPE		TYPE	
ISO START DATE		ISO START DATE	
ISO FINISH DATE		ISO FINISH DATE	
WORK OPERATION	LINE ITEM NUMBER	WORK OPERATION	LINE ITEM NUMBER
HANGER INST.		HANGER INST.	
ERECT		ERECT	
WELD		WELD	
RADIO-G - X-RAY		RADIO-G - X-RAY	
STRESS RELIEVE		STRESS RELIEVE	
MISC. WORK		MISC. WORK	

POUR/ZONE No. 105  
REQUIRED COMPLETION DATE  
FABRICATED BY TUBECO

FLOW DIAGRAM 1-5114A  
Q.S.L. 54  
WELD PROCEDURE 221 OR 25-2

REVISION RECORD

NO.	DATE	DESCRIPTION

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

DWN: JS DATE: 11/17/71 CONTAIN. VICINITY  
CKD: DATE: DWG. NO.  
ISSUED: 1-NSW-59-4 REV. 4  
REF. DWG. 1-5497A SH. 1 OF 2