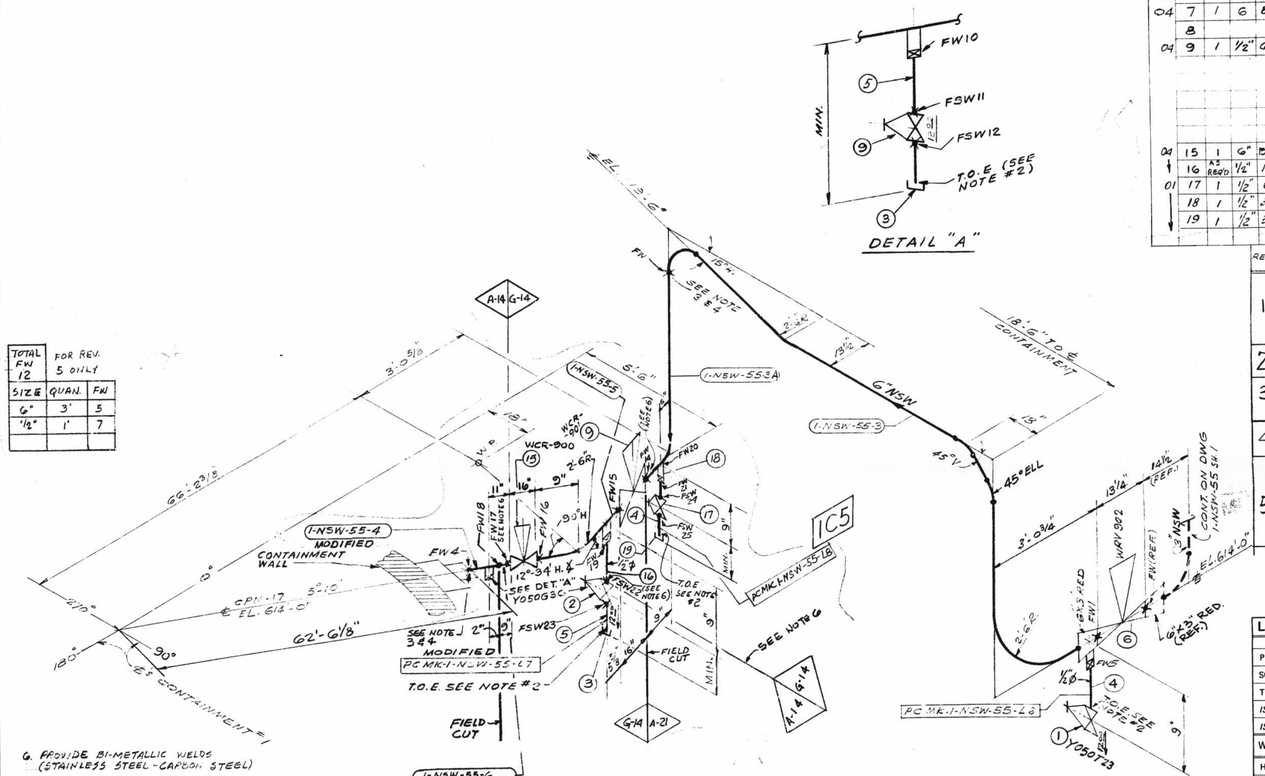
TOTAL FW
13

N

TOTAL FW 12	FOR REV. 5 ONLY	
SIZE	QUAN.	FW
6"	3'	5
1½"	1'	7

MATERIAL ISO SW. NO. 1817

QSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	1	½"	200# SCRD GLOBE VA. BRONZE OR BRASS	Y050723	
04	2	1	½"	600# S.W. GATE VA. C.S.	Y050636	
04	3	1	½"	SCRD CAP C.S. 3000#	A/181 GR. 2 OR II	
01	4	AS REQ'D	½"	PIPE (SCH 80) SMLS C.S.	A 106 GR B	
04	5	"	½"	"	"	
01	6	1	3	CONTROL VALVE	WRV-902	
04	7	1	6	B/W DIAPH. CONTROL VA. S.S.	WCR-901	
	8					
04	9	1	½"	600# C.S. SW GLOBE VALVE	Y-050736	
04	15	1	6"	B/W DIAPH. CONTROL VA. S.S.	WCR-900	
↓	16	AS REQ'D	½"	PIPE (SCH-40S) SMLS S.S.	A-312 GR TP304	
01	17	1	½"	600# S.W. GATE VALVE C.S.	Y-050636	
	18	1	½"	3000# C.S. HALF CPLG.	A-181 GR 1 OR 2	
	19	1	½"	3000# C.S. THR'D CAP.	↓	



6. PROVIDE BI-METALLIC WELDS (STAINLESS STEEL-CARBON STEEL)

7. REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE

NOTES:

1. BUTTWELDS = RT-100% TESTING
   SOCKET WELDS = PT-100% TESTING
2. USE CRANE 425-A 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. CS-1 OR CS-G FOR 2" & UNDER
   CS-1 OR CS-2 FOR 2½" & UP.

SITE FAB. PIECE MARK	RO#	PIECE MARK
1-NSW-55-L6 ½ -L7 -L8	528 ↓ 530	1-NSW-55-3 :3A :4 :5 :6

N.P.S. DESIGNS

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

REV.	DATE	DR CKR	DESCRIPTION	REMARKS
1	12/9/71	S.G. GN	RELEASED PIPING AT CPN. ADDED: FW; PC MK 3A; NOTES 3,4 & 5; ITEMS G17; RO.#; TOTAL NO. OF FW. REVISED: WELD PROCEDURE. PER DWG 1-5497A-3.	FIELD ACTION REQ'D/FAB ACTION REQ'D.
2	7/18/73	F.A.	REV'D.; ITEM #2 Y050636 WAS CY050636. REVISED BY A.E.P.	NO ACTION REQ'D.
3	1-20-76	H.M.	REVISED BY A.E.P. DESIGN PER RFC-DC-12-671 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 8 & ADDED ITEM 10 11 12 13 14. SEE DETAIL "B"	FIELD ACTION REQ'D.
5	1/13/82	A.G. D.R.	PER RFC-DC-12-2549 ADDED: PIPE SPEC. G-14, DWG.# PC MK # 5 & 6, FIELD WELD BOX, NOTES 6 & 7, FW 14 THRU 21, FSW22 TO 25, ITEM NO'S 15 TO 19 TO B/M. DELETED ITEM'S 10 THRU 14 FROM B/M. REVISED ITEM NO. 7 IN B/M. MODIFIED PCMK'S 4 & 6.	FIELD ACTION REQUIRED

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	

G-14 DESIGN SPEC. DCCPN 1694CN
HANGER SEISMIC CLASS I
TEST REQUIREMENTS QL 4
WELD PROCEDURE
QSL 04 TESTING SEE NOTE #1

A-14 DESIGN SPEC. DCCPN 1023CN
HANGER SEISMIC CLASS I
TEST REQUIREMENTS QL 4
WELD PROCEDURE SEE NOTE 5
QSL 04 TESTING SEE NOTE #1

A-21 DESIGN SPEC. DCCPN 1023CS
HANGER SEISMIC CLASS II
TEST REQUIREMENTS QL 1
WELD PROCEDURE SEE NOTE 5
QSL 01 TESTING N/A.

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

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.
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
F ℄ = TO FACE OF FLANGE

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

PIPE												
A-53		A-106		A-376		A-312						
		GR. B				GRTP 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	

ADDITIONAL

D-09B

1NSW-55 (sheet 2 of 2)
Lower Containment Ventilation
Unit 1 Supply Line

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

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

REVISION RECORD		
NO.	DATE	DESCRIPTION

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

DWN. S.G.	DATE 9-5-71	CONTAIN. VICINITY	
CKD. WJP	DATE 10-8-71	DWG. NO. 1-NSW-55 SH. 2 of 2	REV. 5
ISSUED			
REF. DWG. 1-5497A			