TOTAL EA. 22

INDICATES LOCATION OF PIPE SUPPORT AND SUPPORT DETAIL NUMBER

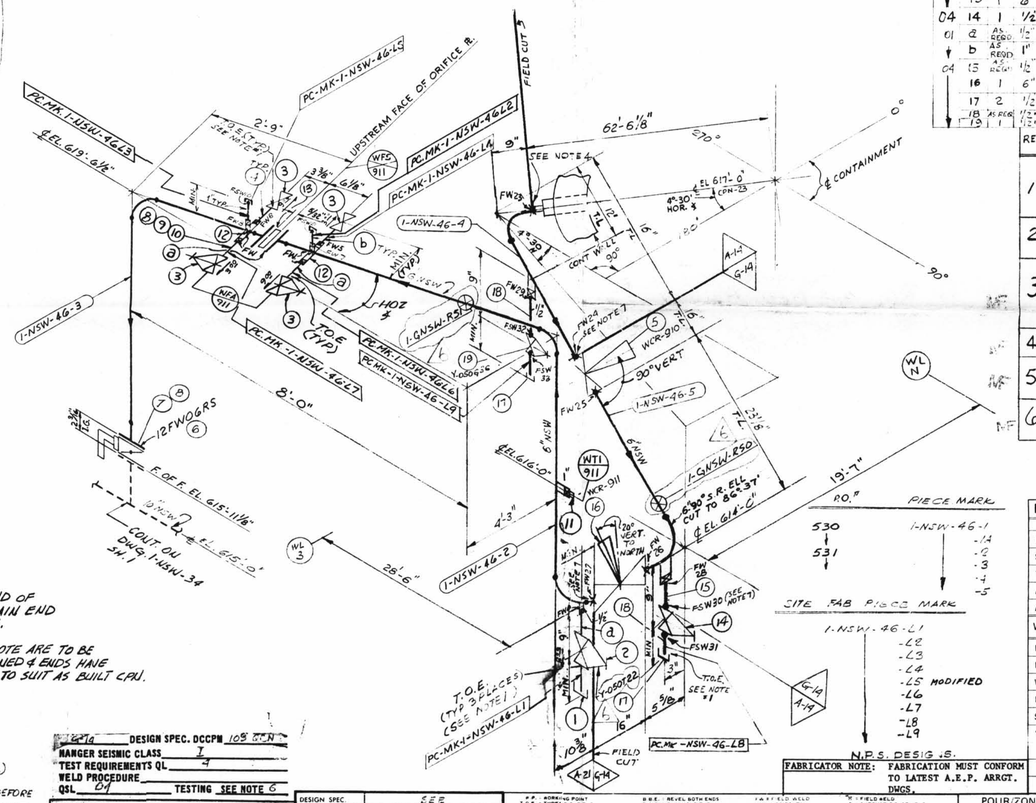
SUPPORT MARK NUMBERS SHOWN FOR GENERAL INFORMATION ONLY. FOR EXACT LOCATION SEE PIPE SUPPORT DETAIL

HANGER MARK Nº'S
1-GNSW-R50
1-GNSW-R51

USE	ITEM	QTY	SIZE	DESCRIPTION	TAG NO. OR ASTM MAT'L	HEAT NO.
01	1	1	1/2"	3000# C.S. THRD CAP	A-105 OR A-181 GR I OR II	
	2	1	1/2"	150# THRD BRONZE OR BRASS GLOBE VA.	Y-050T22	
	3	4	1"	200# THRD BRONZE OR BRASS GLOBE VA.	Y-100T23	
	4	2	1"	3000# C.S. S.W. CAP	A-105 OR A-181 GR. I OR II	
04	5	1	6"	B.W. DIAPH. CONTROL VA. S.S.	WCR-910	
01	6	1	6"	125# C.S. BUTTERFLY VALVE	12FW06RS	
	7	8	3/4" Φ x 5 1/2"	MACH. BOLT. W/HEX. HD.	A-307 GR. B.	
	8	16	3/4"	HEAVY HEX. NUT. CL. 2 TOL.	A-307 GR. B	
	9	8	3/4" Φ x 8 5/8"	LG MACH. BOLT. W/HEX. HD	A-307 GR. B	
	10	2	6"	1/16" THK. FULL FACE COMP. ASBESTOS, RUBBER BOUNDED, GASKETS		
	11	1	1"	THERMOWELL	WTI-911	
	12	2	1"	3000# C.S. S.W. 1/2" CPL'G.	A-105 OR A-181 GR I OR II	
	13	1	6"	150# 7/32" THK. PL. d = 3.427	WFA-911	
04	14	1	1/2"	600# C.S. SW GATE VALVE	Y050G36	
01	a	AS REQD	1/2"	PIPE (SCH. 80) SMLS	A-106 GR. B	
	b	AS REQD	1"	PIPE (SCH. 80) SMLS. C.S.	A106 GR. B	
04	15	AS REQD	1/2"	PIPE (SCH 10S) SMLS. S.S.	A-312 GR TP-304	
	16	1	6"	B.W. DIAPH. CONTROL VA. S.S.	WCR-911	
	17	2	1/2"	3000# C.S. THRD CAP	A-181 GR. I OR II	
	18	AS REQD	1/2"	PIPE (SCH 80) SMLS. C.S.	A106 GR. B.	
	19	1	1/2"	600# C.S. S.W. GATE VA.	Y-050G36	

MATERIAL 150 SW. No 1306

REV	DATE	DR. CHK	DESCRIPTION	REMARKS
1	5-17-72	J.Q. D.B.	REMOVED "HOLD" ADDED NOTES 3,4 & 5, PC.MK. Nº'S 1-NSW-46-L1A, L6 & L7 COMM'S FOR WFA-911, ITEM 1/R1 5 THRU 13 TO B/M, ITEM 1/R1 3 WAS QTY 2, WFS-911 WAS WFA-911 DELETED NOTE 2 REV 4 DWG. 1-5497	FIELD ACTION REQD —
2	1-20-76	W.A.	REVISED BY A.E.P. DESIGN PER RFC-DC-12-2579 TO REFLECT AS BUILT WHEN ISOLATION VALVE WAS ADDED.	NO ACTION REQ'D.
3	1/13/82	K.A. D.R.	PER RFC DC-12-2549 ADDED: PIPE SPEC. DIM'S, PC.NM. 4,5,L8 & L9, WELD BOX, NOTES 6,7 & 8, FIELD WELD 5 FW 23 TO 29, FSW 30 TO 33, ITEM Nº'S 15 TO 19 TO B/M, REVISED ITEM Nº'S 4 & 14 IN B/M.	FIELD ACTION REQD
4	1/28/82	J.M. E.G.	PER RFC DC 12-2549 ADDED T.L. TO DIMS 1C, 1G & 23 & 1/2"	NO FIELD ACTION REQ'D.
5	2/24/82	J.M. C.B.	PER RFC DC-12-2549 4°-30' ANGLE WAS 5°-42', 5 3/8" WAS 6", 10 3/16" WAS 9", 19'-7" WAS 19'-8" & ADDED 86°-37' TO CUT ELBOW	FIELD ACTION REQD
6	8/11/86	D.K. L.B.	PER RFC-DC-12-2876 REV'D VALVE TYPE ADDED SUPPORT MARK Nº'S, SUPERSEDED HGR. 150 1-GNSW-46 ALL ABOVE TO REFLECT AS-BUILT CONDITIONS.	NO FIELD ACTION REQ'D



NOTES:

1. USE CRANE 425-A COMPOUND ON THRD CONNS.
2.
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. C.S. 2" & UNDER C.S. 2 1/2" & UP:
6. BUTT WELDS = RT-100% TESTING SOCKET WELDS = PT - 100% TESTING
7. PROVIDE BI-METALLIC WELDS (STAINLESS STEEL-CARBON STEEL)
8. REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE.

SIZE	QUAN.	FW
6"	18'	8
1"	4'	10
1/2"	1'	4
TOTAL		

TOTAL FW 11	FOR REV. 3 ONLY	
SIZE	QUAN.	FW
6"	4'	5
1/2"	2'	6

A-14 DESIGN SPEC. DCCPM 108 GCN
HANGER SEISMIC CLASS I
TEST REQUIREMENTS QL-4
WELD PROCEDURE SEE NOTE 5
QSL-04 TESTING RT-100%

A-21 DESIGN SPEC. DCCPM 105 GCS
HANGER SEISMIC CLASS II
TEST REQUIREMENTS QL-1
WELD PROCEDURE SEE NOTE 6
QSL-01 TESTING N/A

A-14 DESIGN SPEC. DCCPM 108 GCN
HANGER SEISMIC CLASS I
TEST REQUIREMENTS QL-4
WELD PROCEDURE SEE NOTE 6
QSL-04 TESTING SEE NOTE 6

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

F.P.: FORMING POINT
T.O.E.: THREAD ONE END
B.B.E.: BEVEL BOTH ENDS
B.O.E.: BEVEL ONE END
S.O.P.: SHAPE ONE END
S.O.E.: SHAPE ONE END
T.O.P.: TOP OF PIPE ELEV.
B.O.P.: BOTTOM OF PIPE ELEV.
QSL: 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.
F.W.: FIELD WELD
H: HORIZONTAL
V: VERTICAL
S.W.: SHOP WELD
F.S.W.: FIELD SHOP WELD
F: FIELD WELD
D: AUTOMATIC SHOP WELD
M: MANUAL SHOP WELD
V: VERIFY DIMENSION IN FIELD

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	

ADDITIONAL

POUR/ZONE No. A-14 FLOW DIAGRAM 1-5114A
REQUIRED COMPLETION DATE Q.S.L. SEE DESIGN
FABRICATED BY TUBECO WELD PROCEDURE CODE STAMP

REVISION RECORD

1NSW-46
Lower Containment Ventilation
Unit 3 Return Line

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

DWN. L.J.P.	DATE 9-11-71	AUX. BLDG.	
CKD. GN	DATE 9-29-71	DWG. NO. 1-NSW-46	REV. 6
ISSUED			
REF. DWG. 1-5497			

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	

PIECE MARK

530 → 531

1-NSW-46-1
-1A
-2
-3
-4
-5

SITE FAB PIECE MARK

1-NSW-46-L1
-L2
-L3
-L4
-L5 MODIFIED
-L6
-L7
-L8
-L9

N.P.S. DESIG. 18.

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

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