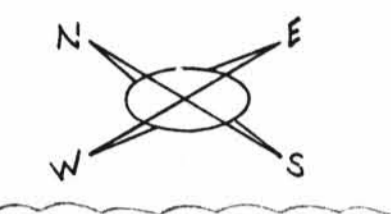


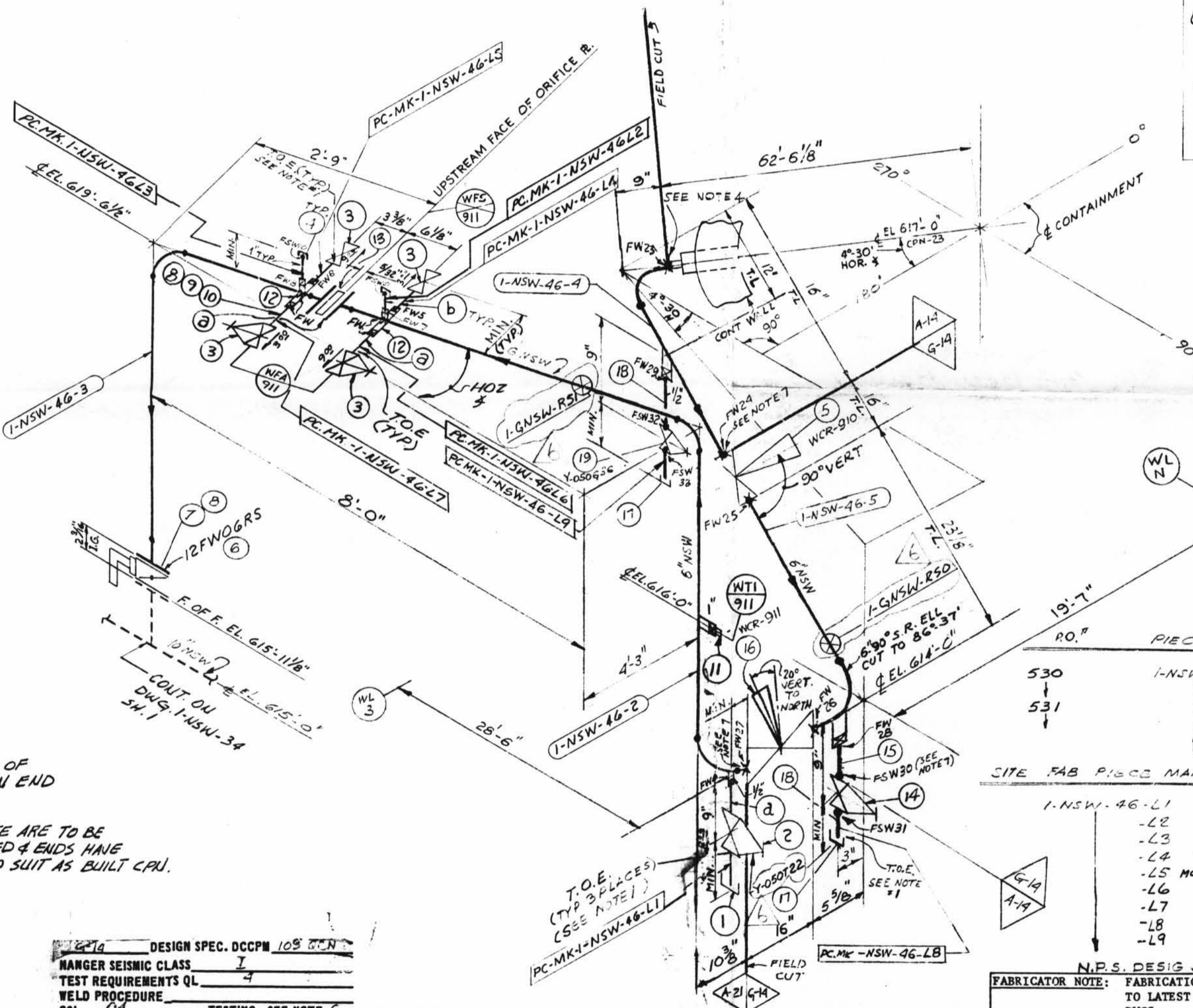
TOTAL
P. 22



⊗ INDICATES LOCATION OF PIPE SUPPORT AND SUPPORT DETAIL NUMBER

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

HANGER MARK NOS
1-GNSW-R50
1-GNSW-R51



- NOTES:
1. USE CRANE 425-A COMPOUND ON THIRD 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 CPU.
 5. C.S. 2" & UNDER C.S. 2 1/2" & UP:
 6. BUTT WELDS = RT-100% TESTING SOCKET WELDS = RT-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	TOTAL FW	FOR REV. 3 ONLY
6"	18	8	6"	4
1"	4	10	1/2"	2
1/2"	1	4		

DESIGN SPEC.	SEE	HANGER SEISMIC CLASS	TEST REQUIREMENTS	WELD PROCEDURE	TESTING
A-14	DESIGN SPEC. DCCPM 108	I	QL	RT-100%	SEE NOTE 6
A-12	DESIGN SPEC. DCCPM 109	II	QL-1	RT-100%	SEE NOTE 6

DESIGN SPEC.	SEE	HANGER SEISMIC CLASS	TEST REQUIREMENTS	WELD PROCEDURE	TESTING
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A-12	DESIGN SPEC. DCCPM 109	II	QL-1	RT-100%	SEE NOTE 6

QTY	ITEM	DESCRIPTION	MATERIAL	ISO SH. No	130G	TAG No. OR INST. No.	HEAT No.
1	1	3000" C.S. THRD CAP	A-105	A-181		A-105	
1	2	150" THRD BRONZE OR BRASS GLOBE VA. Y-050722	A-105	A-181		A-105	
4	3	200" THRD BRONZE OR BRASS GLOBE VA. Y-100723	A-105	A-181		A-105	
1	4	3000" C.S. SW. CAP	A-105	A-181		A-105	
1	5	6" BW DIAPH. CONTROL VA. S.S.	WCR-910				
1	6	120" C.S. BUTTER FLY VALVE	12FW06RS				
8	7	3/4" x 5/8" MACH. BOLT. W/HEX. HD.	A-307	GR. B.			
16	8	3/4" HEAVY HEX. NUT. CL. 2 TOL.	A-307	GR. B.			
8	9	3/4" x 5/8" LG MACH. BOLT. W/HEX. HD.	A-307	GR. B.			
2	10	1/2" THK FULL FACE COMP. ASBESTOS, RUBBER BOUNDED, GASKETS					
1	11	THERMOWELL	WTI-911				
2	12	3000" C.S. S.W. 1/2" CPL'G.	A-105	A-181		A-105	
1	13	150" x 150" T.K. PL. d=3.427	WFA-911				
14	14	1/2" 600" C.S. SW. GATE VALVE Y050636	Y050636				
2	15	1/2" PIPE (SCH. 80) SMLS.	GR. B.				
1	16	1" PIPE (SCH. 80) SMLS. CS.	A-106	GR. B.			
15	17	1/2" PIPE (SCH. 40S) SMLS. CS.	A-312	GR. B.			
1	18	6" BW DIAPH. CONTROL VA. S.S.	WCR-911				
2	19	1/2" 3000" C.S. THRD CAP	A-181			A-181	
1	20	1/2" 3000" C.S. SW. GATE VA.	A-106	GR. B.		A-106	

REV	DATE	DR	CHK	DESCRIPTION	REMARKS
1	5-17-72	J.D.		REMOVED 'HOLD' ADDED NOTES 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.	FIELD ACTION REQ'D
2	1-20-76	D.B.		REVISED BY A.E.P. DESIGN PER DC-12-2549 TO REFLECT AS BUILT WHEN ISOLATION VALVE WAS ADDED.	FIELD ACTION REQ'D
3	1/13/82	K.A.		PER RFC DC-12-2549 ADDED: PIPE SPEC, DIM'S, PC.MK. 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.	FIELD ACTION REQ'D
4	1/28/82	J.M.		PER RFC DC-12-2549 ADDED: T.L. TO DIMS 10", 10" & 23" & 11"	NO FIELD ACTION REQ'D
5	2/24/82	J.M.		PER RFC DC-12-2549 4" 30" ANGLE WAS 5" 40", 5" 50" WAS 6" 10". WAS 3", 19" 7" WAS 19" 8" & ADDED 86" 37" TO CUT ELBOW	FIELD ACTION REQ'D
6	8/1/86	D.K.		PER RFC DC-12-2876 REV'D VALVE TYPE ADDED SUPPORT MARK NOS, SUPERSEDED HGR. 150 1-GNSW-46 ALL ABOVE TO REFLECT AS-BUILT CONDITIONS.	NO FIELD ACTION REQ'D

PIPE SIZE	SCHEDULE	TYPE	ISO START DATE	ISO FINISH DATE	WORK OPERATION	LINE ITEM NUMBER
1-14	-14	-14				
-2	-2	-2				
-3	-3	-3				
-4	-4	-4				
-5	-5	-5				

DESIGN SPEC.	SEE	HANGER SEISMIC CLASS	TEST REQUIREMENTS	WELD PROCEDURE	TESTING
A-14	DESIGN SPEC. DCCPM 108	I	QL	RT-100%	SEE NOTE 6
A-12	DESIGN SPEC. DCCPM 109	II	QL-1	RT-100%	SEE NOTE 6

1NSW-46
Lower Containment Ventilation
Unit 3 Return Line

REVISION RECORD

POUR/ZONE No. A-14
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO

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

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

DWN L.J.P. DATE 9-11-71
CRD G.N. DATE 9-29-71
ISSUED
REF DWG I-5497

AUX. BLDG.
DWG. NO.
1-NSW-46
REV. 6