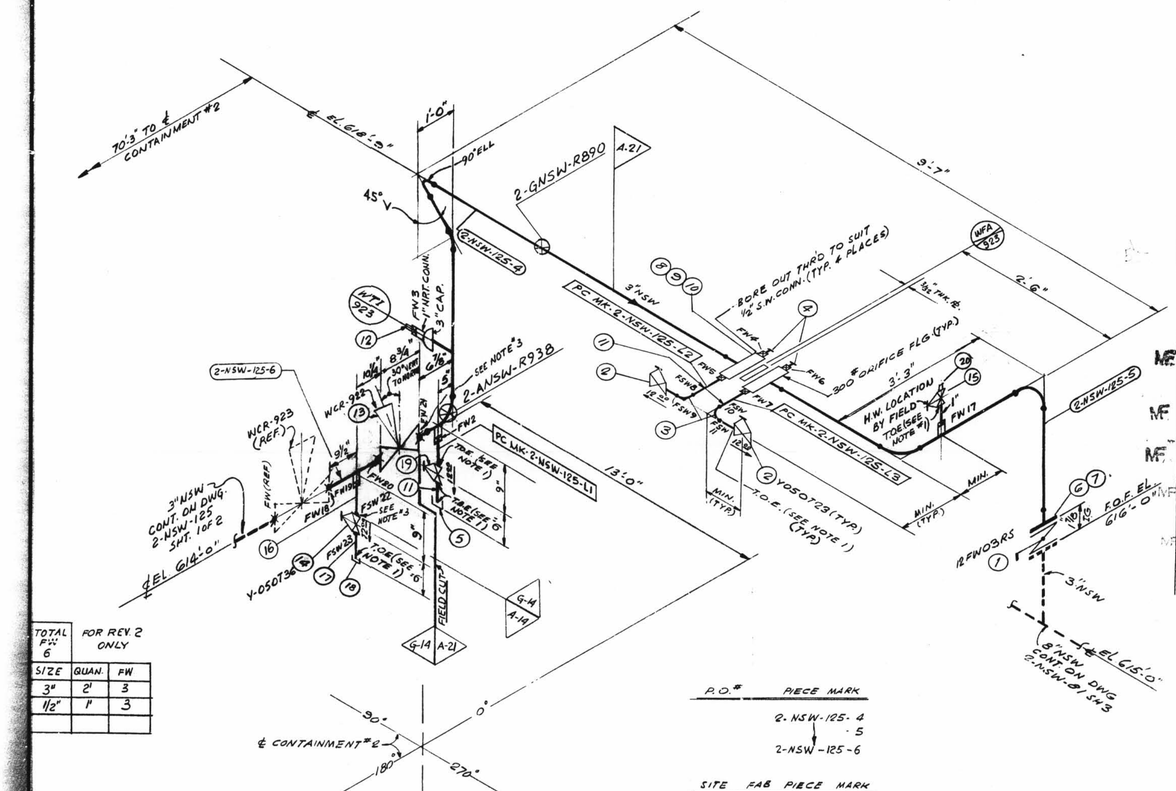
TOTAL FW
17



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

P.O.#	PIECE MARK
	2-NSW-125-4
	-5
	2-NSW-125-6

SITE FAB PIECE MARK
2-NSW-125-L1
-L2
-L3

NOTES:

1. USE CRANE 425A COMPOUND ON ALL THRD CONNECTIONS.
2. WELD PROCEDURE AS FOLLOWS: c/s 2" & UNDER - c/s 2 1/2" & OVER -
3. PROVIDE BI-METALLIC WELDS (STAINLESS STEEL - CARBON STEEL)
4. REMOVE BONNEY ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE.

SIZE	QUAN.	FW
3"	20'	3
1"	—	2
1/2"	2'	12

SUPPORT MARK NUMBERS
[illegible] ARE FOR
[illegible] LOCATION
[illegible]
FOR EXAM[illegible] SEE PIPE SUPPORT DETAIL

HANGER MARK Nº'S
2-GNSW-R890
2-ANSW-R938

INDICATES LOCATION OF PIPE SUPPORT AND SUPPORT DETAIL NUMBER

G-14 DESIGN SPEC. DCCPM109RCN
HANGER SEISMIC CLASS I
TEST REQUIRMENTS GL - 4
WELD PROCEDURE
GSL-04 TESTING SEE NOTE #1

DESIGN SPEC.	DCCPM 102 QCS
HANGER SEISMIC CLASS	II
TEST REQUIREMENTS	N/A
MATERIAL CLASS	A-21 SPEC 104

W.P. - WORKING POINT
T.O.E. - THREAD ONE END
B.O.E. - THREAD BOTH ENDS
B.O.E. - BEVEL ONE END
T.O.P. - TOP OF PIPE ELEV.
G.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
B - FIELD WELD
D - AUTOMATIC SHOP WELD
E - MANUAL SHOP WELD
R - VERIFY DIMENSION IN FIELD

PIPE														
A-53		A-106		A-376		A-312								
		GR. B												
STD.	XY	XXY	10	20	30	40	60	80	100	120	140	160		
						X								
SMLS		WLDD.												

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

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

ADDITIONAL

ISO SHT. NO. 2168						
QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	1	3"	125# C.I. WAFER BUTTERFLY VA.	12FW03RS	
	2	2	1/2"	200# SCRD. GLOBE VA. BRONZE OR BRASS	Y050T23	
	3	2	1/2"	3000# S.W. C.S. 90° ELL	A-181 GR. I & II	
	4	2	1/2"	3000# S.W. PLUG C.S.		
	5	1	1/2"	3000# SCRD CAP C.S.		
	6	4	5/8" ø	5" LG. HEX. HD. MACH. BOLT	A-307 GR. B.	
	7	4	5/8"	HEAVY HEX. NUT CL. 2 TOL.		
	8	2	3	1/8" THK. SPIRAL WOUND FLEXITALLIC GASKET STYLE CG - TYPE 304		
	9	8	3/4" ø	4 1/4" LG. STUD BOLTS	A-193 GR. B7	
	10	16	3/4"	HEAVY HEX. NUT	A-194 GR. 2H	
	11	AS REQ'D	1/2"	PIPE (SCH. 80) SMLS. C.S.	A-106 GR. B.	
	12	1	1"	BI-METAL THERM WELL	WIX-923	
04	13	1	3"	BW. DIAPH. CONTROL VA. S.S	WCR-922	
	14	1	1/2"	600# CS SW GLOBE VA.	Y-050T36	
01	15	1	1"	200# SCR'D. GLOBE VA. BRONZE OR BRASS	Y-100T23	
04	16	AS REQ'D	1/2"	PIPE SCH. 40S SMLS S.S.	A-312 GR. TP-304	
	17	AS REQ'D	1/2"	PIPE (SCH. 80) SMLS C.S.	A-106 GR. B	
	18	1	1/2"	3000# SCR'D CAP C.S.	A-181 GR. 2 OR 3	
01	19	1	1/2"	150# SCR'D GATE VALVE BRONZE OR BRASS	Y-050G22	
	20	1	1"	3000# THR'D. PLUG, C.S.	A-181 GR. I OR II	

REVISION RECORD				
NO.	DATE	DR. CHK.	DESCRIPTION	REMARKS
1	1-20-76	D.R. B.R.	REVISED BY AEP DESIGN: PER RFC-DC-12-761: ADDED; 3" BW CONTROL VALVE WCR-922, 1/2" DRAIN-VALVE Nº Y-050T23, 1" VENT-VALVE Nº Y-100T23.	ACTION REQ'D.
2	9/14/81	K.A. DR	PER RFC DC-12-2549 ADDED: PIPE SPEC. G-14, WELD BOX, WELDS: FW 19 TO 21, FSW 22 & 23, NOTES 3 & 4 DIM'S, PC, MK 2-NSW-125-6, ITEMS 16, 17 & 18 TO B/M REVISED ITEM 13 IN B/M.	FIELD ACTION REQ'D
3	9/23/81	K.A. DLF	PER RFC DC-12-2549 ROTATED VALVE ACTUATOR AT 30° VERT TOWARD NORTH.	FIELD ACTION REQ'D
4	8/11/82	DS Bmm LB	PER. RFC-DC-12-2876 REV'D ITEM 2 QTY FROM 3 TO 2. ADDED ITEM 19 & SUPPORT DETAILS, SUPERSEDED HGR 150 2-GNSW-125 SHT 2. ALL ABOVE TO REFLECT AS-BUILT CONDITIONS.	NO FIELD ACTION REQ'D
5	7/2/89	EBB SDM LB	TO REFLECT AS-FOUND CONDITIONS FOR RFC-DC-12-3010 PER FWE # 753 REV. 1; ADDED; PLUG & ITEM NO. 20 ON B/M.	NO FIELD ACTION REQ'D.

D-34B

2NSW-125 (sheet 2 of 2)
Upper Containment Ventilation
Unit 1 Return Line

POUR/ZONE No. 2C5 FLOW DIAGRAM 2-5114A
REQUIRED COMPLETION DATE Q.S.L. 01
FABRICATED BY TUBECO WELD PROCEDURE SEE NOTE 2

NPS DESIGNS INC.
NEW YORK, N.Y.

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

LIVSEY & COMPANY, INC.
INDIANA & MICHIGAN ELECTRIC CO.
DONALD C. COOK NUCLEAR PLANT

DWN. SG.	DATE 11-18-72	CONTAIN. VICINITY	
CKD. LJB	DATE 3/1/72	DWG. NO. 2-NSW-125 SH. 2 OF 2	REV. 5
ISSUED			
REF. DWG. 2-5497A			