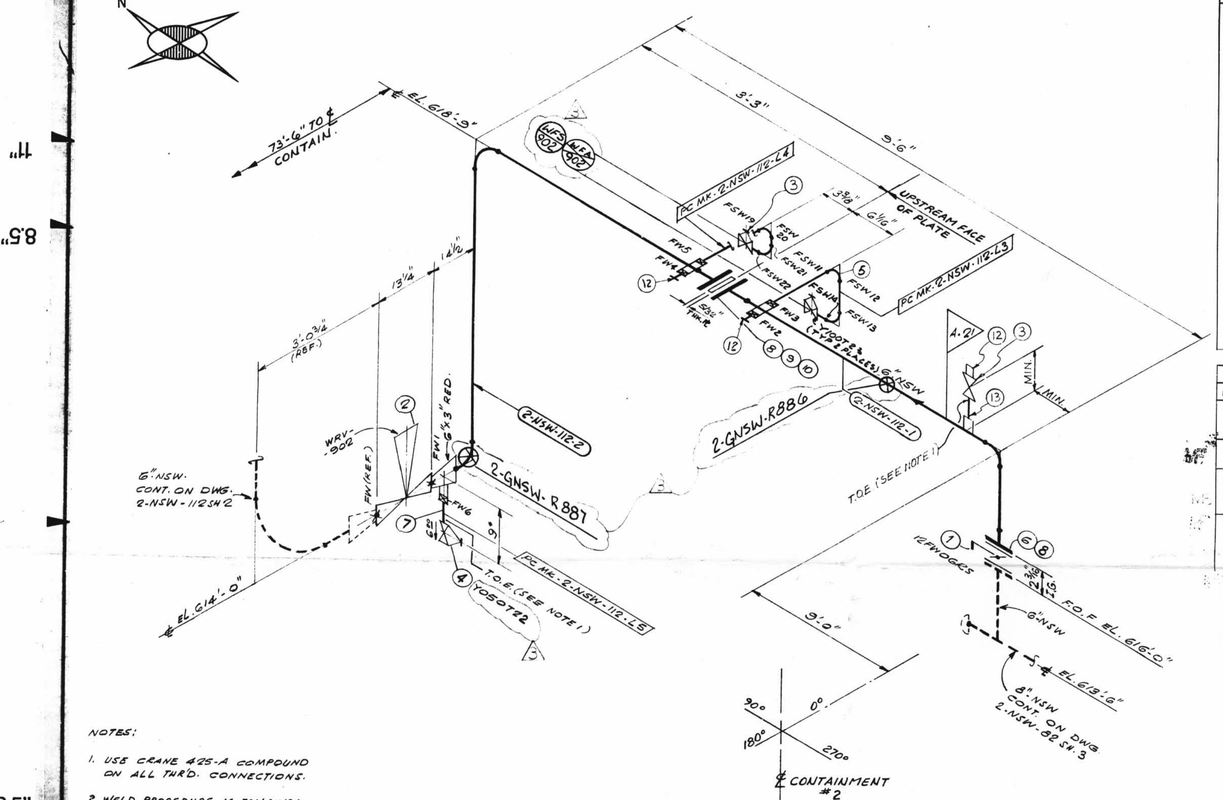

NOTES:

1. USE CRANE 425-A COMPOUND ON ALL THRD. CONNECTIONS.
2. WELD PROCEDURE AS FOLLOWS:
   C/S 2" ℄ UNDER-
   C/S 2½" ℄ OVER-

P.O.# PIECE MARKS	SITE FAB. PC. MARKS
2-NSW-112-1	2-NSW-112-L3
-2	L4
	L5

D-24A

ISO SHT. NO. 2118

QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG No. OR ASTM MAT'L	HEAT NO.
01	1	1	6"	125# C.I. WAFER BUTTERFLY VA.	12FWOGRS	
	2	1	3"	B.W. REGULATING VA.	WRV-902	
	3	5	1"	200# THRD. GLOBE VA. BRONZE OR BRASS	Y100T23	
	4	1	½"	150# THRD. GLOBE VA. BRONZE OR BRASS	Y050T22	3
	5	4	1"	3000# C.S.S.W. 90° ELL.	A-181, GR. 2 or 1	
	6	8	¾ Ø	5½" LG. HEX. HD. MACH. BOLT	A-307 GR. B	
	7	AS REQ'D	½"	PIPE (SCH 80) SMLS C.S.	A-106 GR. B	
	8	16	¾"	HEAVY HEX. NUT CL. 2 TOL.	A-194 GR. B	
	9	8	¾" Ø	3½" LG. HEX. HD. MACH. BOLT.		
	10	12	6"	1/16" THK. FULL FACE COMP. ASBESTOS RUBBER BONDED GASKET.		
	11	AS REQ'D	1"	PIPE (SCH. 80) SMLS C.S.	A-106 GR. B.	
	12	3	1"	3000# C/S PLUG	A-181 OR 105 or A-106 Gr. B	
	13	AS REQ'D	1"	PIPE (SCH. 80) SMLS C.S.		

REVISION RECORD

NO.	DATE	DES'R CHK'R	DESCRIPTION	REMARKS
1	8/13/76	FA/LB	REVISED BY AEP. DELETED PIECE'S 2-NSW-112-L1 & 2-NSW-112-L2 ADDED ITEM 12 IN B/M	
2	12-30-76	W.R	ADDED 1" VENT & ADDED ITEM 13, REVISED ITEMS 3 & 12 OF B/M. W.R.	
3	9/11/78	DJK/LB	PER RFC-DC-12-2876 REV'D INST'S & ITEM 4. VALVE TYPE. ADDED SUPPORT DETAILS. SUPERSEDED HGR. ISO 2GNSW-112 SHT 1. ALL ABOVE TO REFLECT AS-BUILT CONDITIONS.	NO FIELD ACTION REQ'D

SIZE	QUAN.	FW
6	17	—
3	—	1
1	2	20
½	1	1

SUPPORT MARK NUMBERS SHOWN ARE FOR GENERAL LOCATION & ORIENTATION ONLY. REFER TO ARRGT. DWGS. FOR EXACT LOCATION & SIZE OF PIPE SUPPORT DETAIL

HANGER MARK NO'S
2-GNSW-R 886
2-GNSW-R 887

3 APPROXIMATE LOCATION OF PIPE SUPPORT DETAIL

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

W.P. : WORKING POINT
T.O.E. : TOE OF CUT
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
T.O.E. : THREAD ONE END
T.B.E. : THREAD BOTH ENDS
B.O.E. : BEVEL ONE END
S.O.E. : SKIRT ONE END
B.O.P. : BOTTOM OF PIPE ELEV.

FW = FIELD WELD
H = HORIZONTAL
V = VERTICAL
SW = SHOP WELD
FSW = FIELD SHOP WELD

F = FIELD WELD
A = AUTOMATIC SHOP WELD
M = MANUAL SHOP WELD
V = VERIFY DIMENSION IN FIELD

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

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

POUR/ZONE No. 2C5
REQUIRED COMPLETION DATE ____ FLOW DIAGRAM 2-5114A
FABRICATED BY TUBECO Q.S.L. 01 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: 8/8/77	CONTAIN. VACINITY	
CKD: LdB	DATE: 9/5/78	DWG. NO. 2-NSW-112 SH. 1 of 2.	REV. 3
ISSUED			
REF. DWG. 2-5437A			

2NSW-112 (sheet 1 of 2)
Lower Containment Ventilation
Unit 1 Supply Line