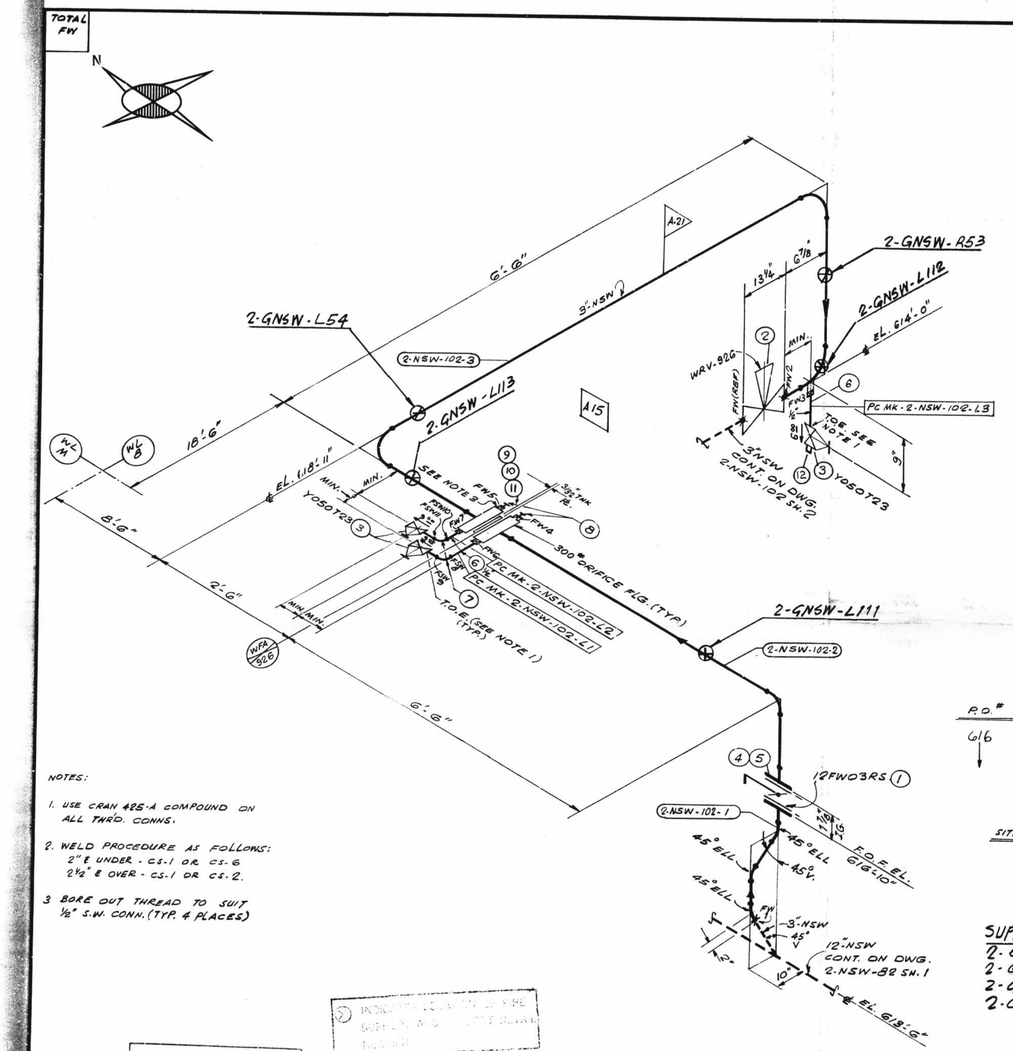

NOTES:

1. USE CRAN 485-A COMPOUND ON ALL THRD. CONNS.
2. WELD PROCEDURE AS FOLLOWS:
   2" & UNDER - CS-1 OR CS-6
   2½" & OVER - CS-1 OR CS-2.
3. BORE OUT THREAD TO SUIT ½" S.W. CONN. (TYP. 4 PLACES)

P.O.#	PIECE MARK
616	2-NSW-102-1
	-2
	-3

SITE FAB. PIECE MARK

2-NSW-102-L1
-L2
-L3

SUPPORT MARK NOS.
2-GN5W-L54
2-GN5W-R53
2-GN5W-L111
2-GN5W-L112

ISO SHT. NO. 2000

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	1	3"	REGULATING VALVE	WRV-926	
	3	3	½"	200# THRD GLOBE VA. BRASS OR BRONZE	YO50723	
	4	4	5/8"	5" LG. HEX. HD. MACH. BOLT.	A-307 GR. B	
	5	4	5/8"	HEAVY HEX. NUT. CL. 2 TOL.	A-307 GR. B	
	6	AS REQ'D	½"	PIPE (SCH. 80) SMLS C.S.	A106 GR. B.	
	7	2	½"	3000# C.S. S.W. 90° ELL	A-181 GR. I OR II	
	8	2	½"	3000# C.S. S.W. PLUG		
	9	2	3"	FLEXITALLIC GASKET, STYLE CG TYPE 304 SS & ASBESTOS FILLER, 1/16" THK.		
	10	8	3/4"	4¼" LG. STUD BOLT	A-193 GR. B-7	
	11	16	3/4"	HEAVY HEX. NUT	A-194 GR. 2H	
	12	1	½"	3000# C.S., THRD. PLUG	A-181 GR. I OR II	

REVISION RECORD

NO.	DATE	DRN CHK	DESCRIPTION	REMARKS
1	7-2-74	JM E.J. G.	RELEASED HOLDS ON 2-NSW-102-L1 & L2. ADDED PO#616. & INSULATION STAMP. PER A.E.P. ARRG'T DWG. 12-5497-4	FIELD ACTION REQ'D
2	7/12/89	EBB DDM LB	TO REFLECT AS-FOUND CONDITIONS FOR RFC-DC-12-3010 PER FWR #759 REV. 1; REVISED: B/M TO SUIT. ADDED: SUPPORT MARK NOS. & SUPERSEDES HGR. ISO. NO. 2-GN5W-102 SH. # 2 & ½" PLUG.	NO FIELD ACTION REQ'D.

INSULATION
SPEC DCCPM450QCS
FOR REQUIREMENTS

SIZE	QUAN.	FW
3"	26'	2
½"	2'	4

LINE SIZE	NOM THK. IN	REMARKS
3"	1"	GLASS

INDIANA & MICHIGAN ELECTRIC CO. DONALD C. COOK NUCLEAR PLANT

SUPPORT MARK NUMBERS [illegible] GENERAL [illegible] FOR EXACT LOCATION [illegible] SUPPORT [illegible]

DESIGN SPEC.	DCCPM 102 QCS
HANGER SEISMIC CLASS	II
TEST REQUIREMENTS	QL 1
MATERIAL CLASS	A-21 SPEC 104

O.P. = WORKING POINT
P.O.E. = PLAIN ONE END
T.B.E. = THREAD BOTH ENDS
B.O.E. = BEVEL ONE END
T.O.F. = 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
B = FIELD WELD
O = AUTOMATIC SHOP WELD
X = MANUAL SHOP WELD
E = 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
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. A15
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO
FLOW DIAGRAM 1-2-5114A
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.

INDIANA & MICHIGAN ELECTRIC CO.
DONALD C. COOK NUCLEAR PLANT

DWN: SG. DATE: 12-3-71 AUXILIARY BLDG.
CKD: GN DATE: 1-6-72
ISSUED
REF. DWG. 2-5497
DWG. NO. 2-NSW-102 SH. 1 OF 2.
REV. 2

2NSW-102 (sheet 1 of 2)
Upper Containment Ventilation
Unit 2 Supply Line

D-18-A