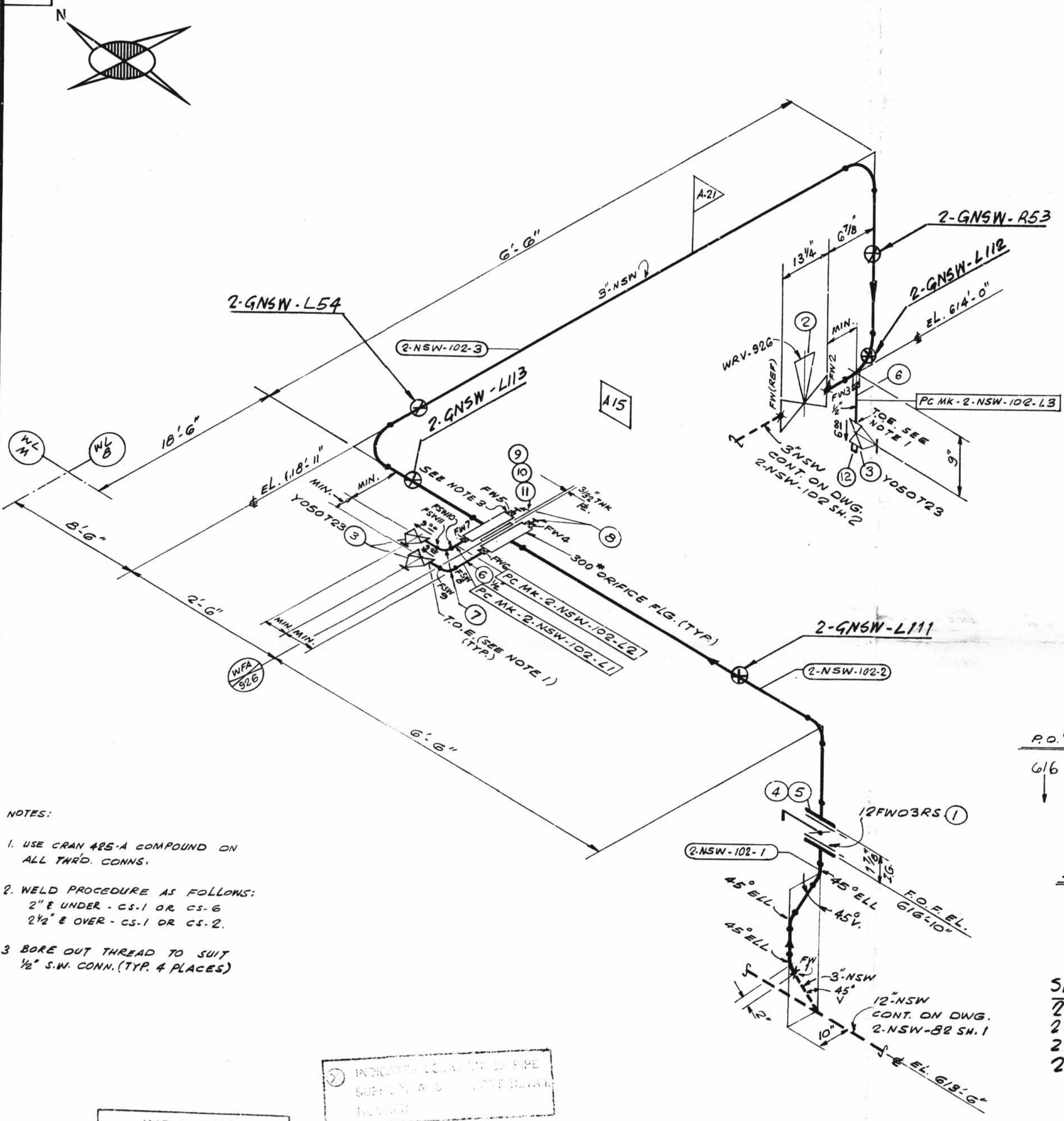
TOTAL FW



NOTES:

1. USE CRAN 425-A COMPOUND ON ALL THR'D. CONNS.
2. WELD PROCEDURE AS FOLLOWS:
   2" & UNDER - CS-1 OR CS-6
   2 1/2" & OVER - CS-1 OR CS-2.
3. BORE OUT THREAD TO SUIT 1/2" S.W. CONN. (TYP. 4 PLACES)

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	1/2"	200# THR'D GLOBE VA. BRASS OR BRONZE	Y050723	
	4	4	5/8"φ	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	1/2"	PIPE (SCH. 80) SMLS C.S.	A106 GR. B.	
	7	2	1/2"	3000# C.S. S.W. 90° ELL	A-181 GR. I OR II	
	8	2	1/2"	3000# C.S. S.W. PLUG	↓	
	9	2	3"	FLEXITALLIC GASKET, STYLE CG TYPE 309 SS & ASBESTOS FILLER, 1/8" THK		
	10	8	3/4"φ	4 1/4" LG. STUD BOLT	A-193 GR. B-7	
	11	16	3/4"	HEAVY HEX. NUT	A-194 GR. 2H	
↓	12	1	1/2"	3000# C.S., THR'D. 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 P.O.#616. & INSULATION STAMP. PER A.E.P. ARRG'T DWG. 12-5497-4	FIELD ACTION REQ'D ___
2	7/12/89	EBB DDN / 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-GNSW-102 SH. # 2. & 1/2" PLUG	NO FIELD ACTION REQ'D.

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-GNSW-L54
2-GNSW-R53
2-GNSW-L111
2-GNSW-L112

INDICATES LOCATION OF PIPE SUPPORT AND ... DETAIL NUMBER

SUPPORT MARK NUMBERS ... GENERAL ... LOCATION ... ONLY FOR EXACT LOCATIONS ... SUPPORT DETAIL

SIZE	QUAN.	FW
3"	26'	2
1/2"	2'	4

INSULATION
SPEC DCCPM450QCS FOR REQUIREMENTS

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

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

W.P. = WORKING POINT; T.O.E. = THREAD ONE END; T.B.E. = THREAD BOTH ENDS; B.O.E. = BEVEL ONE END; 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; 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; = FIELD WELD; = AUTOMATIC SHOP WELD; = MANUAL SHOP WELD; = 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

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

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	DWG. NO. 2-NSW-102 SH. 1 OF 2. — REV. 2
ISSUED		
REF. DWG. 2-5497		

D-18-A