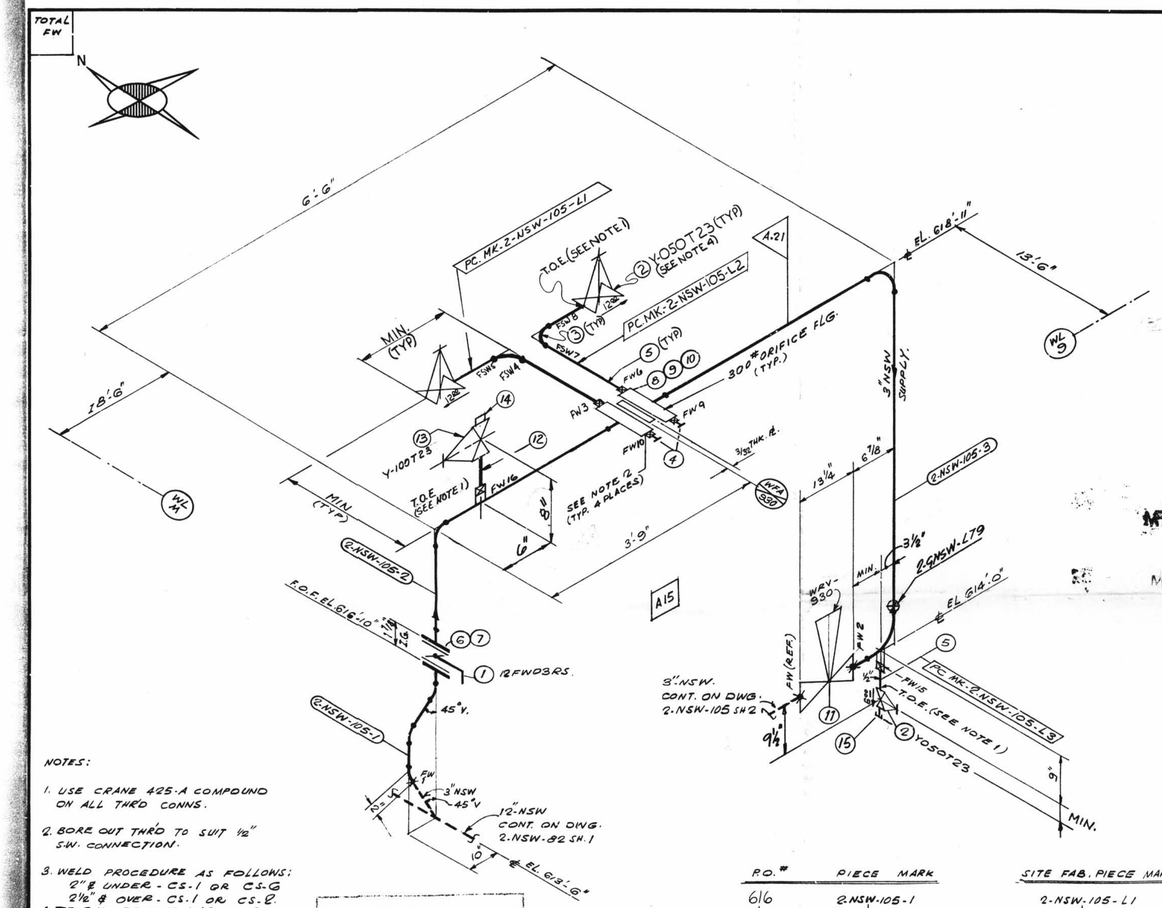

NOTES:

1. USE CRANE 425-A COMPOUND ON ALL THRD CONNS.
2. BORE OUT THRD TO SUIT 1/2" S.W. CONNECTION.
3. WELD PROCEDURE AS FOLLOWS: 2" & UNDER - CS-1 OR CS-G; 2 1/2" & OVER - CS-1 OR CS-E.
4. TO SUIT CONDITIONS, FIELD MAY REORIENT HANDWHEELS.

INDICATES LOCATION OF PIPE SUPPORT AND SUPPORT DETAIL NUMBER

SUPPORT MARK NUMBERS SHOWN ON DWG. FOR REFERENCE ONLY. REFER TO DWG. FOR EXACT LOCATION AND SUPPORT DETAIL

P.O.#	PIECE MARK	SITE FAB. PIECE MARK
616	2-NSW-105-1	2-NSW-105-L1
	-2	-L2
	-3	-L3

SUPPORT MARK NO.
2-GNSW-L79

ISO SHT. NO. 2006

GSL	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	3	1/2"	800# THRD GLOBE VA. BRASS OR BRONZE	Y05OT23	
	3	2	1/2"	3000# C.S.S.W. 90° ELL.	A-181 GR I OR II	
	4	2	1/2"	3000# C.S.S.W. PLUG	↓	
	5	AS REQ'D	1/2"	PIPE (SCH. 80) SMLS C.S.	A-106 GR. B	
	6	4	5/8"	5" LG. HEX. HD. MACH. BOLT	A-307 GR. B	
	7	4	5/8"	HEAVY HEX. NUT. CL. 2 TOL.	↓	
	8	2	3"	FLEXITALLIC GASKET, STYLE CG, TYPE 304 SS & ASBESTOS FILLER, 1/16" THK.		
	9	8	3/4"	4 1/4" LG. STUD BOLT	A-193 GR. B7	
	10	16	3/4"	HEAVY HEX. NUT	A-194 GR. 2H	
	11	1	3"	B.W. REGULATING VALVE	WRV-930	
	12	AS REQ'D	1"	PIPE (SCH. 80) SMLS C.S.	A-106 GR. B	
	13	1	1"	2000# SCR'D. GLOBE VALVE	Y-100T23	
	14	1	1"	2000# THR'D. PLUG C.S.	A-181 GR I OR II	
	15	1	1/2"	3000# C.S. THRD. CAP	↓	

REVISION RECORD

NO.	DATE	DRN CHK.	DESCRIPTION	REMARKS
1	7/1/74	JM EJG	RELEASED HOLDS ON PC.MK-2-NSW-105-L1 & L2 ADDED NOTE #4, P.O. #616 & INSULATION STAMP. CHANGED QUANTITY ON ITEM #3, WAS 4. PER A.E.P. ARRG'T DWG. # 2-5497-4.	FIELD ACTION REQ'D.
2	11/3/76	MMC	ADDED VENT Y-100T23 - ARRG'T DWG 2-5497-8	
3	7/21/89	EBB CONN JB	TO REFLECT AS-FOUND CONDITIONS FOR RFC-DC-12-3010 PER FWR # 759 REV. 1; ADDED: 1/2" CAP, DIMS & ITEM #15 ON B/M. REVISED: DIM. ADDED: SUPPORT MARK NO. & SUPERSEDES HGR. ISO. # 2-GNSW-105 SH. # 1.	NO FIELD ACTION REQ'D.

SIZE	QUAN.	FW
3"	18'	2
1/2"	2'	5

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	QL1
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
B = FIELD WELD
A = AUTOMATIC SHOP WELD
M = MANUAL SHOP WELD
D = VERIFY DIMENSION IN FIELD

PIPE																FITTINGS			
A-53		A-106		A-376		A-312										A-105	A-234	A-182	
		GR. B																	
STD.	XY	XXY	10	20	30	40	60	80	100	120	140	160				A-403	A-181		
						X													
SMLS		WLDD																	

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 3

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: 12-27-71	AUXILIARY BLDG	
CKD. GN	DATE: 1-6-72	DWG. NO. 2-NSW-105 SH. 1 OF 2.	REV. 3
ISSUED			
REF. DWG. 2-5497			

2NSW-105 (sheet 1 of 2)
Upper Containment Ventilation
Unit 3 Supply Line

D-19AA