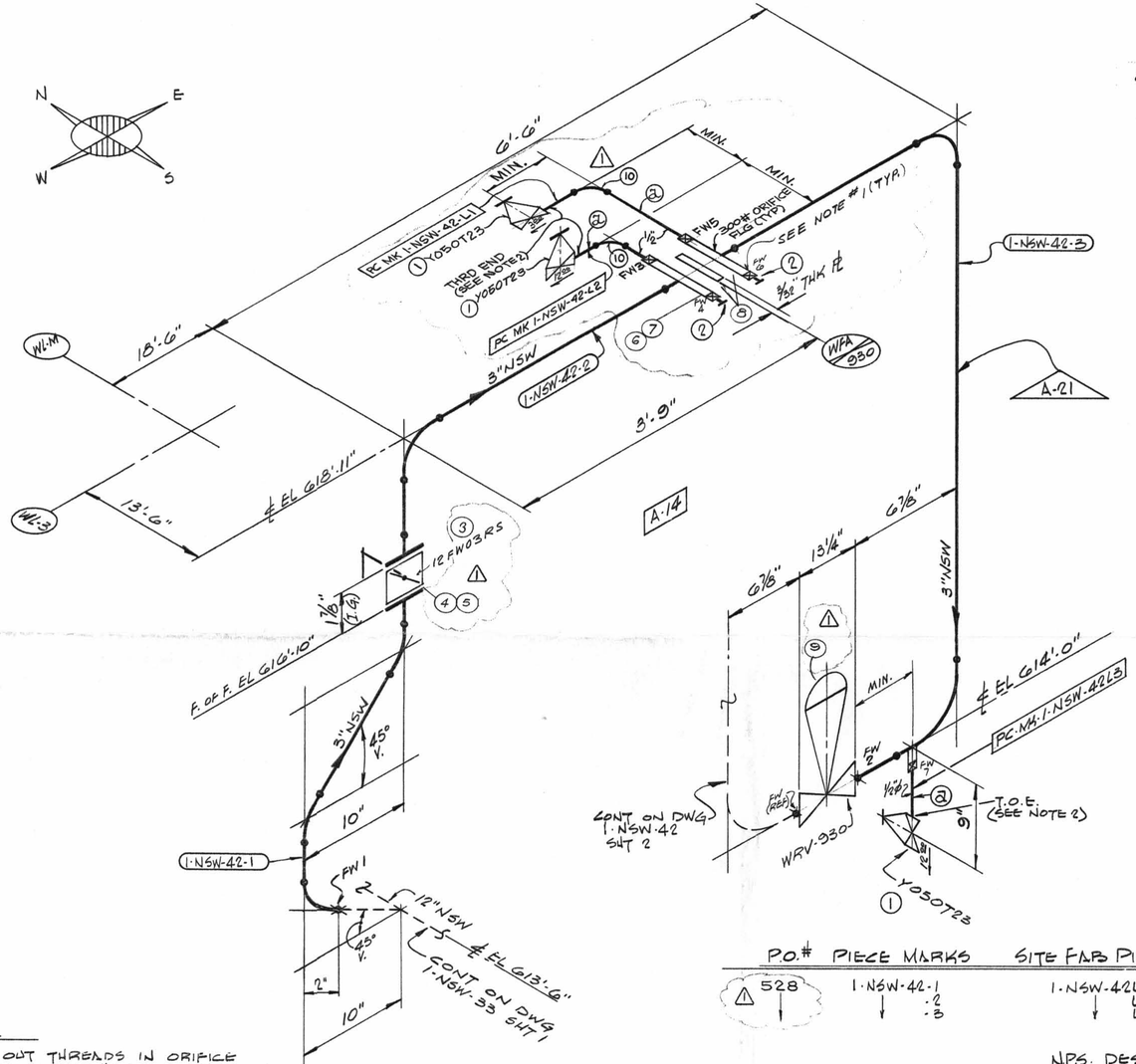
TOTAL FW △

MATERIAL 150. SHT NO. 1302

QSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	3	1/2"	200# BRONZE OR BRASS THRD GLOBE VALVE	Y-050T123	
	2	2	1/2"	3000# C.S. PLUG	A-181 GR. I OR II	
	3	1	3"	125# BUTTERFLY WAFER VA, CI	12FW03RS	
	4	4	—	5/8" x 5" LG HEX MACHINE BOLT	A-307 GR. B	
	5	4	5/8"	HEAVY HEX. NUT.	A-307 GR B	
	6	8	—	3/4" x 4 1/4" LG STUD BOLT	A-193 GR. B7	
	7	16	3/4"	HEAVY HEX NUT	A-194 GR 2H	
	8	2	3"	FLEXITALLIC GASKET STYLE CG TYPE 304SS & ASBESTOS FILLER 1/8" THK		
	9	1	3"	REGULATING VALVE	WRV-930.	
	10	2	1/2"	3000# CS SW 90° ELL	A-181 GR I OR II	
01	a	AS REQ'D	1/2"	PIPE (SCH. 80) SMLS. CS.	A-106 GR. B	

REV.	DATE	DR. CHK.	DESCRIPTION	REMARKS
1	5/8/72	JG GN	ADDED: ITEMS 3 THRU 10; BOX FOR TOTAL NO. OF FW'S; NOTE 3; P.O.# REVISED: PIPING FOR WFA-930. PER AEP DWG 1-5497-4	FIELD ACTION REQ'D



P.O.#	PIECE MARKS	SITE FAB PIECE MARKS
△ 528	1-NSW-42-1 :2 :3	1-NSW-42L1 L2 L3

NPS. DESIGNS

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

NOTES

1. BORE OUT THREADS IN ORIFICE FLANGES TO SUIT 1/2" SW. CONNECTIONS.
2. USE CRANE 425-A COMPOUND ON ALL THREADED CONNECTIONS.
3. △ PIPE 2" & UNDER CS (LATER) PIPE 2 1/2" & OVER CS (LATER)

SIZE	QUAN.	FW
3"	18'-0"	2
1/2"	2'-0"	9

LABOR COST CONTROL	
USE ONLY WITH	
PIPE SIZE	
SCHEDULE	
TYPE	
ISO START DATE	
ISO FINISH DATE	
WORK OPERATION	LINE ITEM NUMBER
HANGER INST.	
ERECT	
WELD	
RADIO-G – X-RAY	
STRESS RELIEVE	
MISC. WORK	

LABOR COST CONTROL	
USE ONLY WITH	
PIPE SIZE	
SCHEDULE	
TYPE	
ISO START DATE	
ISO FINISH DATE	
WORK OPERATION	LINE ITEM NUMBER
HANGER INST.	
ERECT	
WELD	
RADIO-G – X-RAY	
STRESS RELIEVE	
MISC. WORK	

DESIGN SPEC.	DCCPM102QCS
HANGER SEISMIC CLASS	II
TEST REQUIREMENTS	QL1
MATERIAL CLASS	A-21 SPEC 104

W.P. = WORKING POINT
T.O.E. = THREAD ONE END
S.O.E. = SOCKET ONE END
B.O.E. = BEVEL ONE END
T.O.P. = TOP OF PIPE ELEV.
B.O.P. = BOTTOM OF PIPE ELEV.
G.S.L. = MATERIAL QUALITY REQUIREMENTS
T.L. = TRUE LENGTH

B.S.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
• = 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										

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. A-14
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO

FLOW DIAGRAM 1-2-5114A
O.S.L. 01
WELD PROCEDURE SEE NOTE 3

REVISION RECORD		
NO.	DATE	DESCRIPTION

1NSW-42 (sheet 1 of 2)
Upper Containment Ventilation
Unit 3 Supply Line

LIVSEY & COMPANY, INC.
DONALD C. COOK NUCLEAR PLANT

DWN: WJP	DATE: 8-11	AUXILIARY BLDG.	
CKD: GN	DATE: 9-29-71	DWG. NO. 1-NSW-42 SHT 1 of 2	REV. 1
ISSUED			
REF. DWG. 1-5437-2			

D-75A