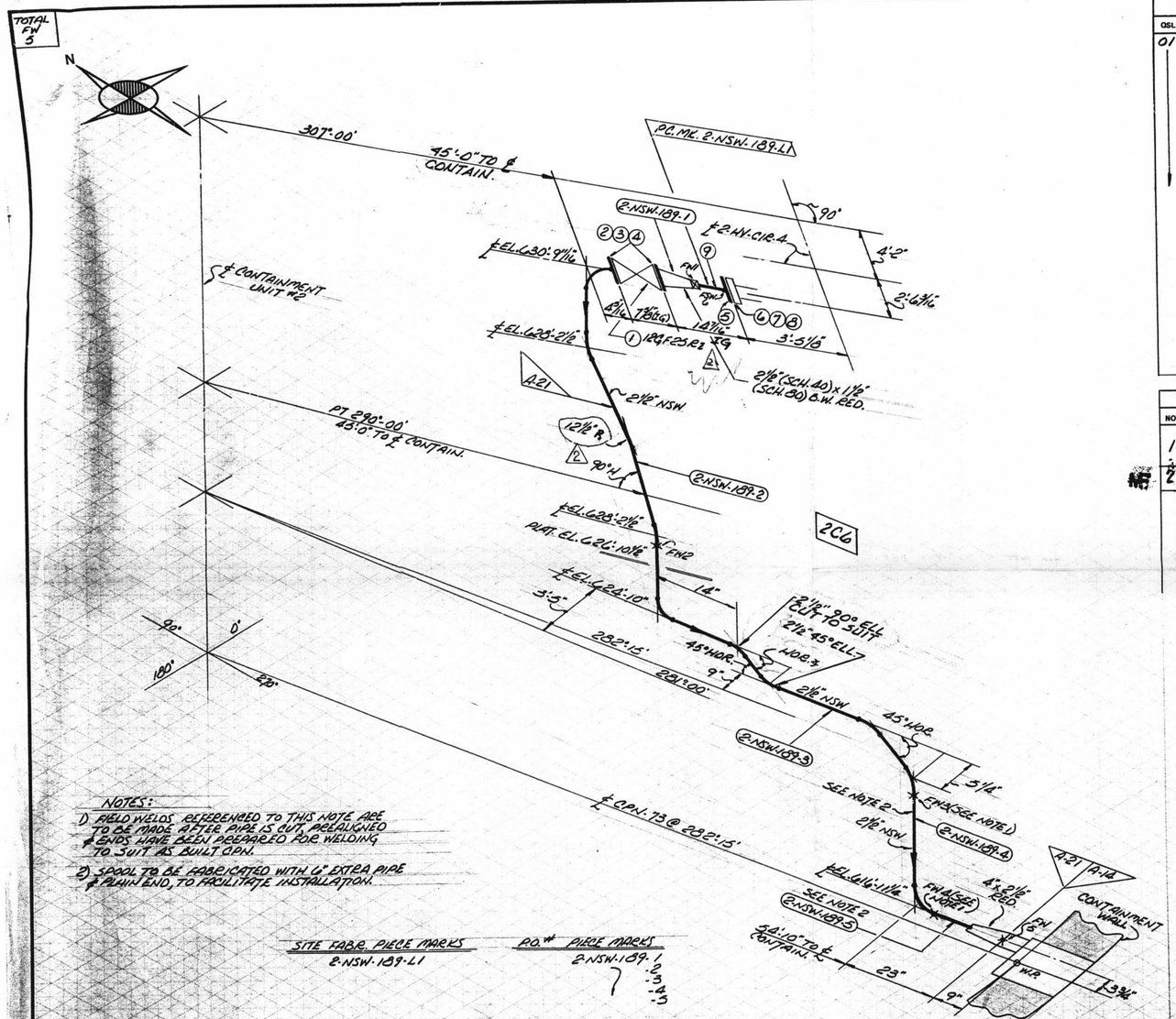
ISO SHT. NO. 2867

QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	1	2½"	125# C.I. FLG'D. GATE VA.	12GF25R2	
	2	2	2½"	1/16" THK. COMP. ASBESTOS GASK.		
	3	8	5/8"Ø	3" LG. HEX HD. MACH. BOLTS	A-307 GR.B	
	4	8	5/8"	HEAVY HEX NUTS (CL.2 TOL)	?	
	5	1	1½"	150# RF. S.W. FLG.	A-181 GR. 70 CL II	
	6	4	½"Ø	2½" LG. HEX HD. MACH. BOLT	A-307 GR.B	
	7	4	½"	HEAVY HEX NUT (CL.2 TOL)	?	
	8	1	1½"	1/16" THK. (COMP. ASBESTOS GASK.		
	9	AS REQD	1½"	PIPE (SCH.80) SMLS. C.S.	A-106 GR.B	

REVISION RECORD

NO.	DATE		DESCRIPTION	FAB. ACTION REQ'D.
1	10-23-76	J.Q. / D.P.	REVISED BY N.P.S. DESIGNS PER A.E.P. DWG. 2-5702 REV. 2. REV. HOR. 2X WAS 45°H ADDED 45°-0" TO ℄ OF CONT. DELETED 45°-0" TO CONT. ADDED 2½" 90° L.R. ELL CUT TO SUIT.	
2	10-21-76	F.K. / W.W.	12½" R. WAS 12½" NSW; 14 7/16 IG WAS 14 7/16"	



NOTES:

1) FIELD WELDS REFERENCED TO THIS NOTE ARE TO BE MADE AFTER PIPE IS CUT, PREALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS BUILT OPN.

2) SPOOL TO BE FABRICATED WITH 6" EXTRA PIPE & PLAIN END, TO FACILITATE INSTALLATION.

SITE FAB'R. PIECE MARKS	P.O. # PIECE MARKS
2-NSW-189-L1	2-NSW-189-1, -2, -3, -4, -5

D-38

SIZE	QUAN.	FM
4	-	1
2½	35	5
1½	1	1

A-14 DESIGN SPEC. DCCPM 103 QCN
HANGAR SEISMIC CLASS I
TEST REQUIREMENTS QL 4
WELD PROCEDURE
QSL 04 TESTING 100% RT & W

A-21 DESIGN SPEC. DCCPM 102 QC3
HANGAR SEISMIC CLASS II
TEST REQUIREMENTS QL N/A
WELD PROCEDURE
QSL 01 TESTING N/A

DESIGN SPEC.	SEE DESIGN
HANGER SEISMIC CLASS	
TEST REQUIREMENTS	CODE
MATERIAL CLASS	STAMP

PIPE: A-53, A-106 GR. B, A-376, A-312

STD. | XY | XXY | 10 | 20 | 30 | 40 | 60 | 80 | 100 | 120 | 140 | 160

SMLS | WLDD

FITTINGS: A-105, A-234, A-182, A-403, A-181

TESTING: N.D.T. SEE DES. CODE STAMP; M.T. | P.T. | R.T. | U.T.; PRESSURE TEST; MED. | PRESS. | DURATION

ADDITIONAL

B.P. = BORING 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
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. = SHIPS 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
O = AUTOMATIC SHOP WELD
● = MANUAL SHOP WELD
⊗ = VERIFY DIMENSION IN FIELD

POUR/ZONE No. RC6
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO
FLOW DIAGRAM 2-211A
Q.S.L. SEE CODE STAMP
WELD PROCEDURE

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. MM DATE 3-9-72 CONTAINMENT #2
CKD. DG DATE 9/8/72
ISSUED
REF. DWG. 2-5702
DWG. NO. 2-NSW-189
REV. 2

2-NSW-189
Instrument Room Ventilation
Unit 4 Return Line