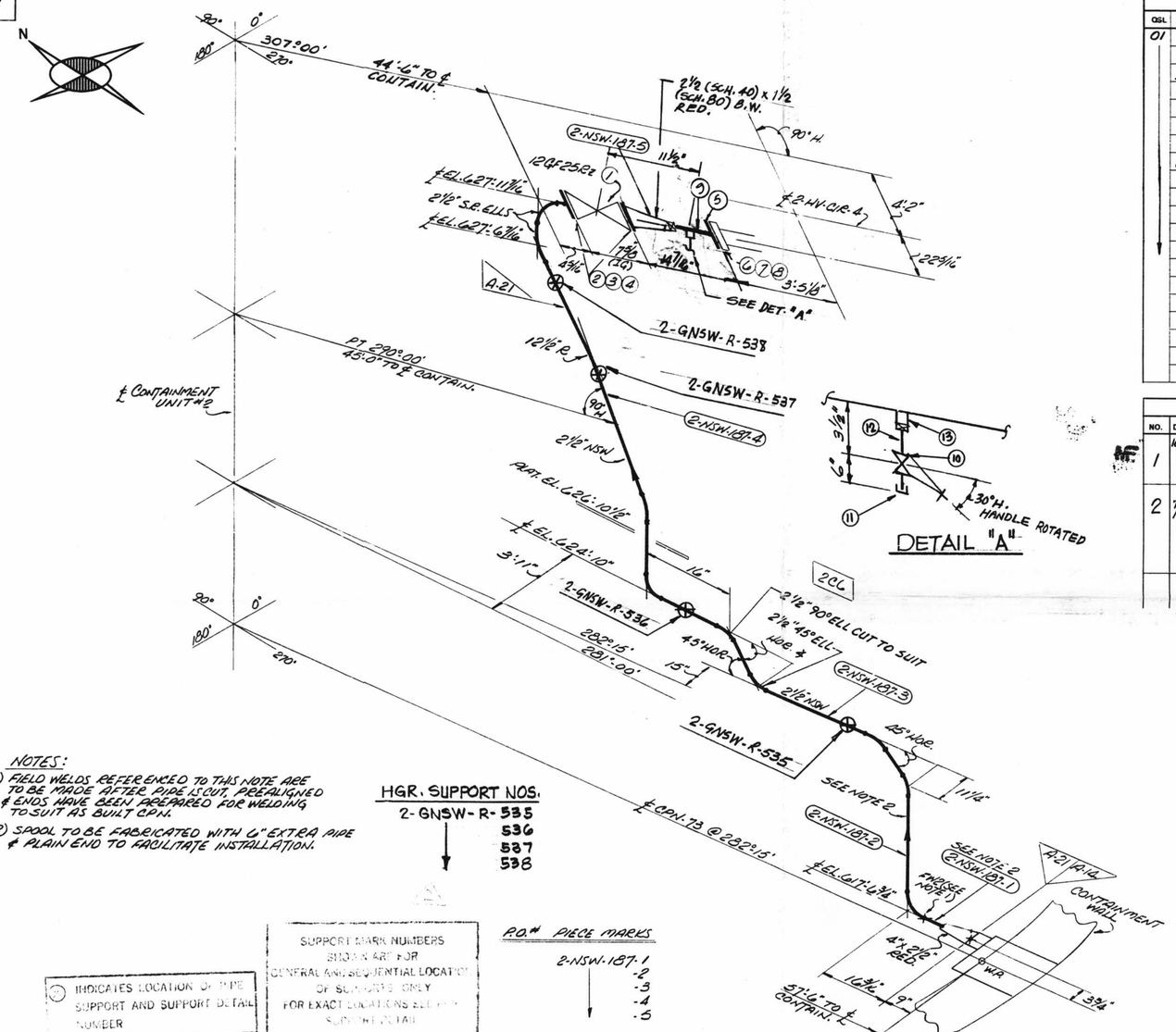
TOTAL FW 5

ISO SHT. NO. 2864

QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	1	2½	125# C.I. FLGD. GATE VA.	12GF25R2	
	2	2	2½	1/16" THK. COMP. ASBESTOS GASK.		
	3	8	⅝ø	3" LG. HEX HD. MACH. BOLTS	A-307 GRB	
	4	8	⅝ø	HEAVY HEX NUTS (CLZ TOL)	?	
	5	1	1½	150# RR S.W. FLG.	A-181 GR. I OR II	
	6	4	½ø	2¼" LG. HEX HD. MACH. BOLT	A-307 GRB	
	7	4	½	HEAVY HEX NUTS (CLZ TOL)	?	
	8	1	1½	1/16" THK. COMP. ASBESTOS GASK.		
	9	AS REQD.	1½	PIPE (SCH. 80) SMLS. C.S.	A-106 GRB	
	10	1	1"	GLOBE VA., SCR'D., BRONZE, 150#	Y100G22	
	11	1	1"	3000# THRD. CAP	A-181 GR. I OR II	
	12	AS REQD.	1"	PIPE (SCH. 80) SMLS. C.S.	A-106 GR. B	
	13	1	1"	3000# HALF CPLG., S.W., C.S.	A-181 GR. I OR II	

NO.	DATE	BY/CHK.	DESCRIPTION	REMARKS
1	10-21-72	J.Q. / P.P.	REVISED BY N.P.S. DESIGN PER A.E.P. DWG. 2-5702 REV. 2. ADDED 44'-6" TO ℄ OF CONT. DELETED 45'-0" TO ℄ OF CONTAIN. ADDED 2½" 90° L.R. ELL CUT TO SUIT. HGR ℄ WAS 45° HORZ ℄	— / FAB ACTION REQ'D.
2	7/12/89	EBB / DCN / LB	TO REFLECT AS-FOUND CONDITIONS FOR RFC-DC-12-3010 PER FWR. #759 REV. 1 ADDED: 1" DRAIN, CAP, DIM'S, DET. "A" & ITEMS 10, 11 & 12 ON B/M. HGR. SUPPORT NO'S & SUPERCEDE HGR. 160. 2-GNSW-187.	NO FIELD ACTION REQ'D.



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 CPN.

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

HGR. SUPPORT NOS.
2-GNSW-R-535
536
537
538

P.O.#	PIECE MARKS
2-NSW-187	-1
	-2
	-3
	-4
	-5

D-40

INDICATES LOCATION OF PIPE SUPPORT AND SUPPORT DETAIL NUMBER

SUPPORT MARK NUMBERS SHOWN ARE FOR GENERAL AND SEQUENTIAL LOCATION OF SUPPORTS ONLY. FOR EXACT LOCATIONS SEE PIPE SUPPORT DETAIL

SIZE	QUAN.	FW
4	-	1
2½	33	3
1½	1	1

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

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

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

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.
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
R = FIELD WELD
O = AUTOMATIC SHOP WELD
S = MANUAL SHOP WELD
E = VERIFY DIMENSION IN FIELD

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 QES CODE STAMP; M.T. | P.T. | R.T. | U.T.
PRESSURE TEST: MED. | PRESS. | DURATION

ADDITIONAL

POUR/ZONE No. 2CC
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO.
FLOW DIAGRAM 2-5112A
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. AA DATE 8-9-72
CKD. RG DATE 8/31/72
ISSUED
REF. DWG. 2-5702

CONTAINMENT #2
DWG. NO. 2-NSW-187
REV. 2

2-NSW-187
Instrument Room Ventilation
Unit 4 Supply Line