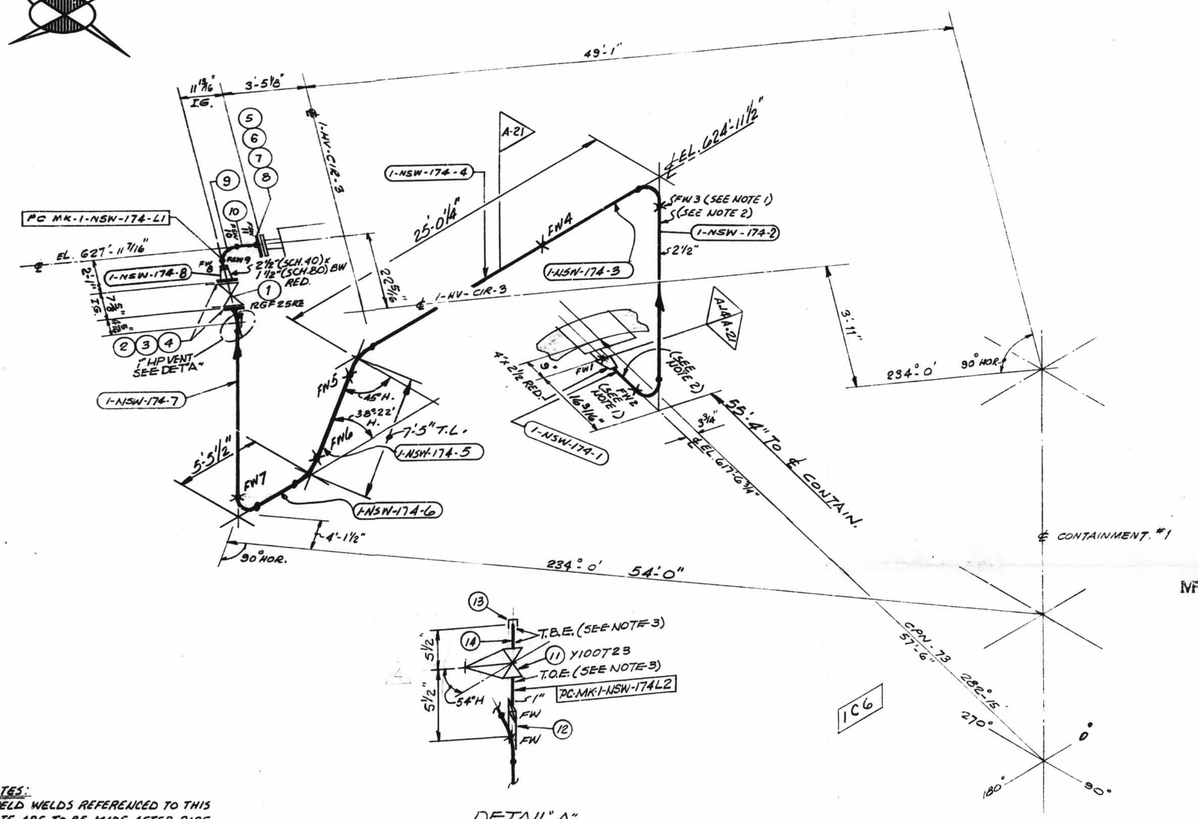
TOTAL FM

ISO SHT. NO. 2701

QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	1	2½"	125# C.I. FLGD. GATE VA.	12-SF2582	
	2	2	2½"	1/16" THK. FULL FACE COMP. ASBESTOS RUBBER BONDED GASKET		
	3	8	5/8" x 3"	3" LG. HEX. HD. MACH. BOLT.	A-307 GR. B.	
	4	8	5/8"	HEAVY HEX. NUT CL. 2 TOL.	↓	
	5	1	1½"	150# R.F.S.W. FLG.	A-181 GR I OR II	
	6	4	5/8" x 2½"	2½" LG. HEX. HD MACH. SOLT	A-307 GR. B	
	7	4	½"	HEAVY HEX. NUT CL. 2 TOL.	↓	
	8	1	½"	1/16" THK FULL FACE COMP ASBESTOS RUBBER BONDED GASKET		
	9	1	½"	3000# C.S.S.W. 90° ELL.	A-181 GR I OR II	
	10	AS REQ'D	½"	PIPE (SCH. 80) SMLS. C.S.	A-106 GR. B.	
	11	1	1"	200# THD GLOBE VALVE BRONZE OR BRASS	Y-100723	
	12	1	1"	3000# SW C.S. ELBOLET	A-181 GR I or II	
	13	1	1"	3000# THD C.S. CAP	A-181 GR I OR II	
	14	AS REQ'D	1"	PIPE (SCH. 80) SMLS CS	A-106 GR. B	

REVISION RECORD

NO.	DATE	DR. CHK.	DESCRIPTION	REMARKS
1	8-1-72	J.Q. WP	REVISED BY N.P.S. DESIGNS. 16 3/16" WAS 17" A.E.P. ARR'G'T. DWG. 1-5702-4	— FAB ACTION REQ'D
2	3-20-73	J.Q. W.R.	REVISED BY NPS DESIGNS: ADDED ITEM'S 11 THRU 14 TO B/M, LIVSEY SPOOL 1-NSW-174L2 DETAIL "A" NOTE #3 TO SUIT A.E.P. ARR'G'T DWG. 1-5702 REV. 7	FIELD ACTION REQ'D —
3	8/31/73	JG	ADDED: NOTE 4, HOR. ∠ 25°-01'-14" 7'-5" 5'-5½", EL. 624'-11½" 54'-0" WAS 53'-5 3/16" EL. 624'-11½" WAS 619'-3" & 623'-0". DELETED: VERT. ∠ DIM. 18 1/16" 2'-3", ∠ 275°-00', ∠ 262°-36'-29" (55'-0") ∠ 250°-12'-55" (55'-0") PER AS BUILT DIMS. A.E.P. DWG. 1-5702-7	NO ACTION REQ'D.
4	7/21/89		ADDED 5½" DIMS. TO LOCATE VLV. Y-100723 @ DET. "A" PER RFC-DC-12-2641 (AS-BUILT) SGM/	NO 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 AND PLAIN END TO FACILITATE INSTALLATION.
3. USE CRANE 425-A COMPOUND OR GRINNELL 1698 ON ALL THREADED CONN'S.
4. WELD PROCEDURE AS FOLLOWS:
   C/S 2½" & UNDER = CS-6
   C/S 3" & OVER UP TO 3/4" WALL: CS-1 OR CS-2
   3/4" WALL & UP: CS-5

SIZE	QUAN.	FM
4	-	1
2½	53	6
1½	2	1
1	1	2

SITE FAB. PIECE MARK	P.O.# PIECE MARK
1-NSW-174-L1	1-NSW-174-1
1-NSW-174-L2	-2
	-3
	-4
	-5
	-6
	-7
	-8

D-60

1-NSW-174
Instrument Room Ventilation
Unit 3 Supply Line

A-14 DESIGN SPEC. DCCPM 103 QCN
HANGER SEISMIC CLASS I
TEST REQUIREMENTS QL- 4
WELD PROCEDURE SEE NOTE 4
QSL- 04 TESTING 100% R.T. BW

A-E1 DESIGN SPEC. DCCPM 102 QCS
HANGER SEISMIC CLASS I
TEST REQUIREMENTS QL- N/A
WELD PROCEDURE SEE NOTE 4
QSL- 01 TESTING N/A

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

R.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. = SKIRTE 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
Δ = MANUAL SHOP WELD
* = VERIFY DIMENSION IN FIELD

PIPE															FITTINGS			TESTING					ADDITIONAL
A-53	A-106 GR B		A-376		A-312										A-105	A-234	A-182	N.D.T. SEE DESIGN CODE STAMP					
STD.	XY	XXY	10	20	30	40	60	80	100	120	140	160						M.T.	P.T.	R.T.	U.T.		
SMLS	WLDD														A-403	A-181		PRESSURE TEST					
																		MED.		PRESS.		DURATION	

POUR/ZONE No. 1C6 FLOW DIAGRAM 1-2-5114 A
REQUIRED COMPLETION DATE — O.S.L. SEE DESIGN
FABRICATED BY TUBECO WELD PROCEDURE CODE STAMP

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. SG DATE 6-2-72 CONTAINMENT BLDG
CKD. WP DATE 7-5-72
ISSUED
REF. DWG. 1-5702
DWG. NO. 1-NSW-174
REV. 4