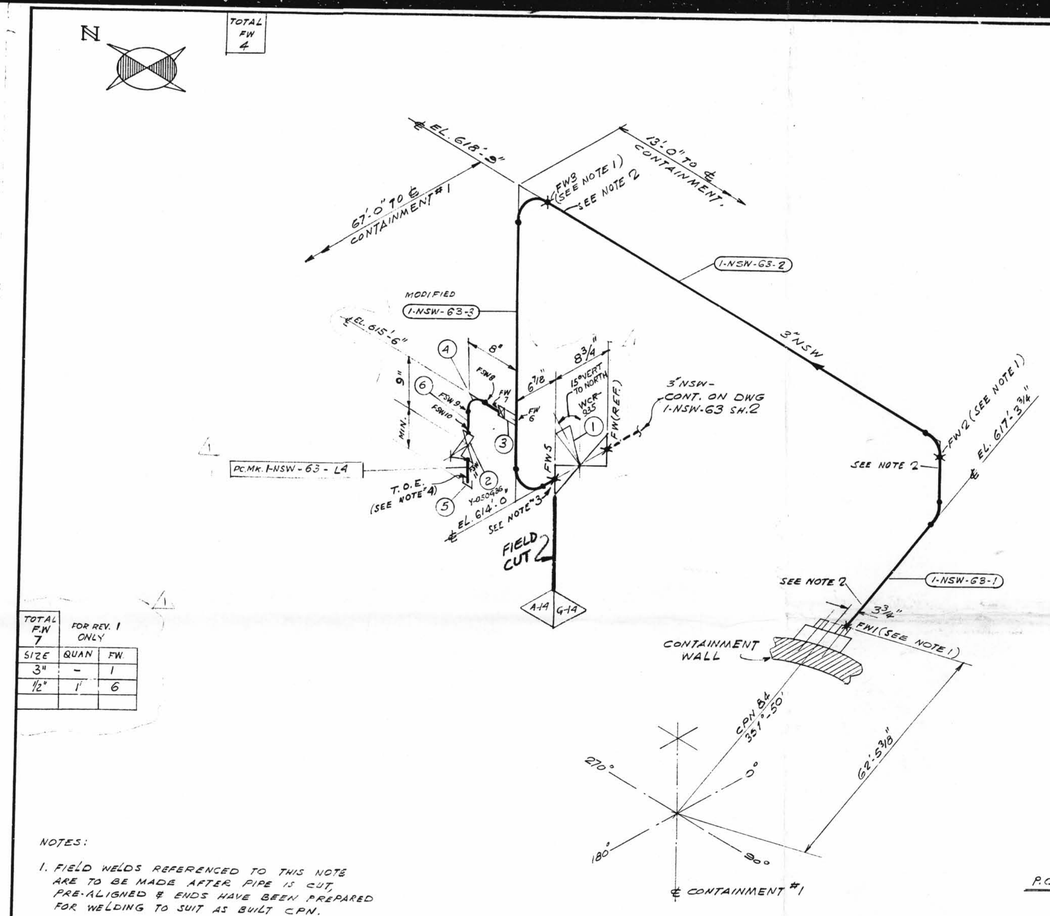


| MATERIAL | | | | | | |
|---|---|---|---|---|---|---|
| QSL | ITEM | QTY. | SIZE | DESCRIPTION | TAG No. OR ASTM MAT'L. | HEAT NO. |
| 04 | 1 | 1 | 3" | BW. DIAPH. CONTROL VA., S.S | WCR-935 | |
| | 2 | 1 | 1/2" | 600# C.S. S.W. GATE VALVE | Y-050936 | |
| | 3 | 1 | 1/2" | 3000# C.S. S.W. HALF CPLG. | A-181 GR 2 OR 1 | |
| | 4 | 1 | 1/2" | 3000# C.S. S.W. 90° ELL. | ↓ | |
| | 5 | 1 | 1/2" | 3000# C.S. THRD CAP | ↓ | |
| | 6 | AS REQ'D | 1/2" | PIPE (SCH. 80) SMLS C.S. | A-106 GR B | |

## REVISION RECORD

| No | DATE | DR CHK. | DESCRIPTION | REMARKS |
|---|---|---|---|---|
| 1 | 1/13/82 | KA E.J.G. | PER RFC#-DC-12-2549 ADDED DIM'S, NOTES 3&4, PC.MK. L4, FIELD WELD BOX, FW STD 7, FSW 8 THRU 11, ITEM N#'S 2 THRU 6 TO B/M. REVISED ITEM N# 1 B/M. MODIFIED PC.MK. 3. | FIELD ACTION REQ'D. |

| TOTAL FW 7 | FOR REV. 1 ONLY | |
|---|---|---|
| SIZE | QUAN | FW |
| 3" | - | 1 |
| 1/2" | 1" | 6 |

NOTES:

1. FIELD WELDS REFERENCED TO THIS NOTE ARE TO BE MADE AFTER PIPE IS CUT, PRE-ALIGNED & 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. PROVIDE BI-METALLIC WELDS (STAINLESS STEEL-CARBON STEEL)
4. USE CRANE 425-A COMPOUND ON ALL THREADED CONN'S

P.O.# PIECE MARK
1-NSW-63-1
-2
-3
SITE FAB. PIECE MARK
1-NSW-63-L4

D-03A

| | |
|---|---|
| DESIGN SPEC. | DCCPM 103 QCN |
| HANGER SEISMIC CLASS | I |
| TEST REQUIREMENTS | QL-4 |
| MATERIAL CLASS | A-14 SPEC. 104 |

R.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. = SKIRT ONE END; B.O.P. = BOTTOM OF PIPE ELEV.; FW = FIELD WELD; H = HORIZONTAL; V = VERTICAL; SW = SHOP WELD; FSW = FIELD SHOP WELD; F = FIELD WELD; O = AUTOMATIC SHOP WELD; M = MANUAL SHOP WELD; B = 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. | | | | | | | | | | | | |
| X | | | | | | | | | | | | | | |

| FITTINGS | | | |
|---|---|---|---|
| A-105 | A-234 | A-182 | |
| | | | |
| A-403 | A-181 | | |
| | | | |

| TESTING | | | | |
|---|---|---|---|---|
| N.D.T. | | | | |
| M.T. | P.T. | R.T. | U.T. | |
| | | 100% | | |
| PRESSURE TEST | | | | |
| MED. | | PRESS. | | DURATION |
| | | | | |

ADDITIONAL

| REVISION RECORD | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |

POUR/ZONE No. 1C5
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO

N.P.S DESIGNS

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

FLOW DIAGRAM OL5114A
Q.S.L. Q4
WELD PROCEDURE C.S.-1 OR C.S.-2

**1NSW-63 (sheet 1 of 2)**
**Upper Containment Ventilation**
**Unit 4 Return Line**

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

| | | | |
|---|---|---|---|
| DWN. S.G. | DATE 10-18-81 | CONTAIN. VICINITY | |
| CKD. WB | DATE 11-12 | DWG. NO. 1-NSW-63 SH. 1 OF 2 | REV. 1 |
| ISSUED | | | |
| REF. DWG. 1-5407A | | | |

W.F.K.