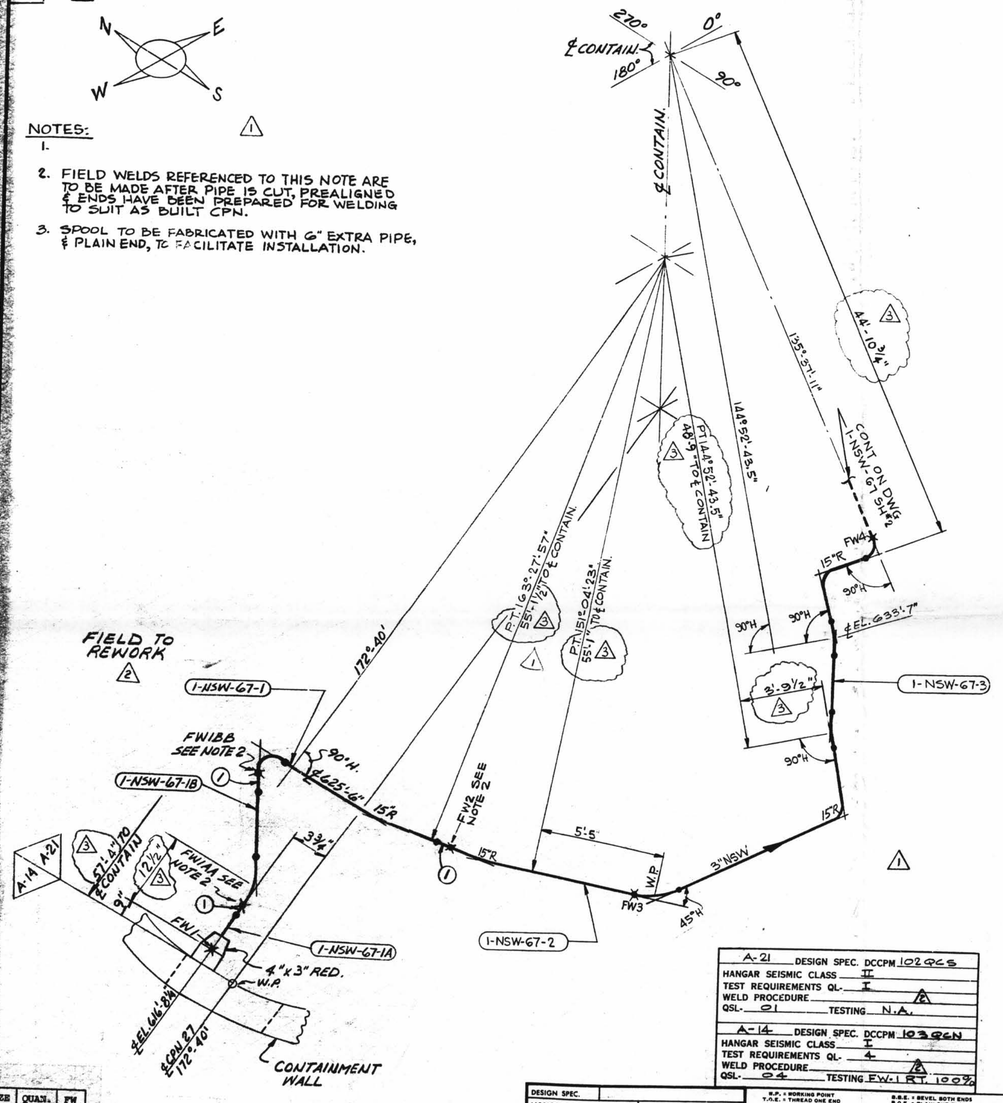
TOTAL FW

NOTES:

1.

2. 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.

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




| QSL | ITEM | QTY. | SIZE | DESCRIPTION | TAG No. OR ASTM MAT'L. | HEAT NO. |
|---|---|---|---|---|---|---|
| 01 | 1 | 15 REQD | 3" | PIPE, SMLS, CS, SCH 40 | A-106 GR. B | |

MATERIAL ISO SH. NO 1392

| REV | DATE | DR CHK. | DESCRIPTION | REMARKS |
|---|---|---|---|---|
| 1 | 10/29/71 | LGR / GN | REVISED BY N.P.S. DESIGNS ADDED: DESIGN CODE STAMP (RQ'D) NOTES 2 & 3; PIECE MARK 1A & 1B; FW1AA & 1BAGS-2 TO WELD PROCEDURE RELEASED PIPING AT CPN DELETED: NOTE #1, REV: PIPING TO SUIT AEP COMENTS ON 1-5489A REMO (DELETED 172-40 & 12'-15'R 35'-0" WAS 58'-1/8") AS PER AEP ARRG'T 1-5489A-0. | FIELD ACTION REQ'D / FABR ACTION REQ'D |
| 2 | 4-11-72 | J.Q. / GN | REVISED PIPING & ADDED NOTE FOR FIELD REWORK FOR PC MK 1, 1A & 1B. ADDED 1 ITEM 1; BOX FOR TOTAL NO. OF FW'S, DELETED WELD PROCEDURE. PER AEP DWG. 1-5489A-2. | FIELD ACTION REQ'D / — |
| 3 | 7/27/73 | B.M. | REV. BY NPS PER AS BUILT DIMS 57'-4" WAS 57'-6", 12 1/2" WAS 11.99 55'-1 1/2" WAS 55'-0 7/8'-1" WAS 55'-1 1/2", 48'-9" WAS 49'-0", 3'-9 1/2" WAS 3'-9 1/2" & 44'-10 3/4" WAS 45'-0" AEP ARR'G'T DWG. 1-5489A-4 | NO ACTION REQ'D |

**1-NSW-67 (Sheet 1 of 2)**
**Upper Containment Ventilation**
**Unit 2 Supply Line**

| P.O.# | PIECE MARK |
|---|---|
| 457 | 1-NSW-67-1 |
| | 1A |
| | 1B |
| | 2 |
| | 3 |

| 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 | |

| SIZE | QUAN. | FW |
|---|---|---|
| 4" | — | 1 |
| 3" | 60'-0" | 10 |

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

A-14 DESIGN SPEC. DCCPM 103 QCN
HANGAR SEISMIC CLASS I
TEST REQUIREMENTS QL- 4
WELD PROCEDURE A
QSL- 04 TESTING FW-1 RT 100%

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

| | |
|---|---|
| DESIGN SPEC. | |
| HANGER SEISMIC CLASS | |
| TEST REQUIREMENTS | |
| MATERIAL CLASS | |

W.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.
G.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. = SNAPE 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
○ = FUTURE 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 |
| SMLS | | WLDD | | | | | | | | | | |

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

| TESTING | | | | |
|---|---|---|---|---|
| H.D.T. | P.T. | R.T. | U.T. | |
| PRESSURE TEST | | | | |
| MED. | PRESS. | DURATION | | |

ADDITIONAL

POUR/ZONE No. 1C7
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO
FLOW DIAGRAM 1-2-5114A
O.S.L.
WELD PROCEDURE

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

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

| | | | |
|---|---|---|---|
| DWN: LGR | DATE: 7-20-71 | CONTAINMENT BLDG | |
| CKD: GN | DATE: 7-21-71 | DWG. NO. | REV. |
| ISSUED | | 1-NSW-67 | 3 |
| REF. DWG. 1-5489A | | SH 1 OF (LATEST) | |

D-54A