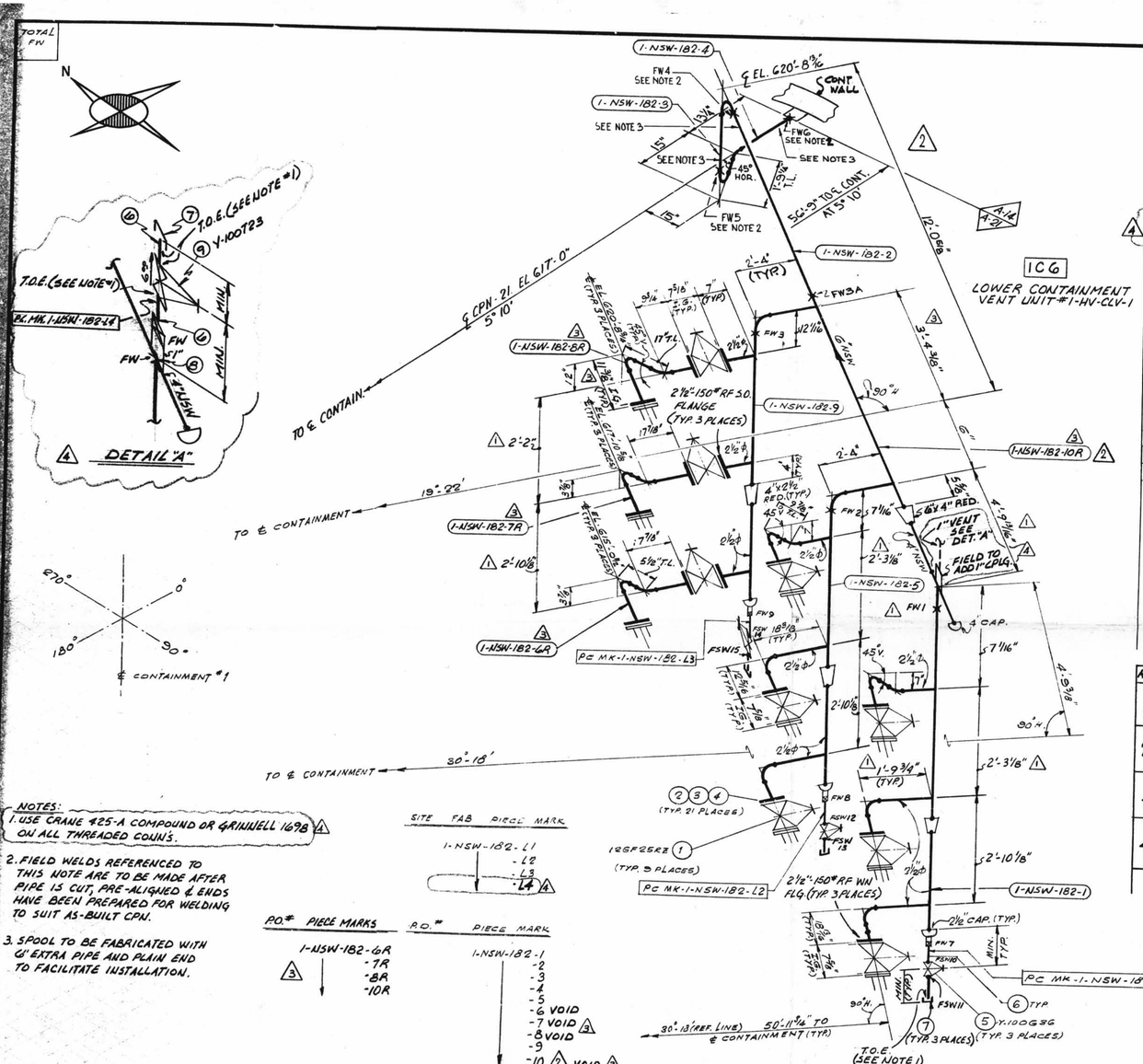


1C6

LOWER CONTAINMENT VENT UNIT #1-HV-CCV-1

NOTES:

1. USE CRANE #25-A COMPOUND OR GRINNELL 1698 ON ALL THREADED CONN'S.
2. 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.
3. SPOOL TO BE FABRICATED WITH 6" EXTRA PIPE AND PLAIN END TO FACILITATE INSTALLATION.

SITE FAB PIECE MARK

1-NSW-182-L1
-L2
-L3
-L4

| P.O.# | PIECE MARKS |
|---|---|
| 1-NSW-182-6R | |
| | -7R |
| | -8R |
| | -10R |

| P.O.# | PIECE MARK |
|---|---|
| 1-NSW-182-1 | |
| | -2 |
| | -3 |
| | -4 |
| | -5 |
| | -6 VOID |
| | -7 VOID |
| | -8 VOID |
| | -9 |
| | -10 VOID |

ISO SHT. NO. 2677

| QSL | ITEM | QTY. | SIZE | MATERIAL DESCRIPTION | TAG No. OR ASTM MAT'L | HEAT NO. |
|---|---|---|---|---|---|---|
| 01 | 1 | 9 | 2 1/2" | 125# C.I. FLGD GATE VA. | 12GF25RZ | |
| | 2 | 21 | 2 1/2" | 1/16" THK. FULL FACE COMP. ASBESTOS RUBBER BONDED GASKET | | |
| | 3 | 84 | 5/8" | 5" LG. HEX. HD. MACH. BOLT. | A-307 GR. B | |
| | 4 | 84 | 5/8" | HEAVY HEX. NUT CL. 2 TOL. | ↓ | |
| | 5 | 3 | 1" | 600# C.S. S.W. GATE VA. | Y-100G36 | |
| | 6 | A3 REQD | 1" | PIPE (SCH. 80) SMLS, C.S. | A-106 GR. B. | |
| | 7 | 4 | 1" | 3000# C.S. THD. CAP | A-181 GR. I OR II | |
| | 8 | 1 | 1" | 3000# S.W. HALF CPLG. C.S. | A-181 GR. I OR II | |
| | 9 | 1 | 1" | 200# GLOBE VA. SCRD. BRONZE OR BRASS | Y-100T23 | |

| REV. | DATE | DR. CHK. | DESCRIPTION | REMARKS |
|---|---|---|---|---|
| 1 | 7/13/72 | JQ. LdB | CHGD FABRICATOR & ADDED VARIOUS DIMENSIONS AS NOTED. CHGD LOC. OF FW 1 | — / FAB ACTION REQD |
| 2 | 7/26/72 | CRM LdB | REVISED CONFIGURATION OF PCs 1-NSW-182-2-3 & 4 AND REMOVED HOLDS ON SAME. ADDED PC. Mk. 1-NSW-182-10. AEP ARRGT DWG. 1-5692 REV. 4. | — / FAB ACTION REQD |
| 3 | 9/24/72 | JQ. LdB | DIM'S 3'-4 3/8" & 11 3/8 WERE 3'-4 3/16" & 11 3/4" RESPECTIVELY. VOIDED PC'S 1-NSW-182-6, 7, 8 & 10. ADDED PC'S 1-NSW-182-6R, 7R, 8R & 10R. AEP ARRG'T. DWG. 1-5692 REV. 4 | FIELD ACTION REQD / FAB ACTION REQD |
| 4 | 3/5/73 | J.Q. I.F. | REVISED BY N.P.S. DESIGNS ADDED: 1" - PL-4 TO PC. MK. 1-NSW-182-10R, FW'S. FIELD NOTE, SITE FAB. PC. MK. 1-NSW-182-L4, DET. "A", B/M 1, ITEMS 3 & 9, REV. NOTE 1, QTY OF B/M 1, ITEM 1 WAS 3, NOW 4, PER AEP ARRG'T. DWG. 1-5692 REV. 5 | FIELD ACTION REQD / — |

D-68

1-NSW-182
Lower Containment Ventilation
Unit 1 Return Line

| SIZE | QUAN. | FW |
|---|---|---|
| 6 | 20 | 3 |
| 4 | 20 | 3 |
| 2 1/2 | 35 | — |
| 1 | 3 | (5) |

A-14 DESIGN SPEC. DCCPM 103QCN
HANGAR SEISMIC CLASS 2
TEST REQUIREMENTS QL. 4
WELD PROCEDURE —
QSL. 04 TESTING 100% RT, AW

A-21 DESIGN SPEC. DCCPM 102QCS
HANGAR SEISMIC CLASS 2
TEST REQUIREMENTS QL. N/A
WELD PROCEDURE —
QSL. 07 TESTING N/A

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

K.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
S.M.Q. = 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

● = FIELD WELD
⊗ = AUTOMATIC 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

N.D.T. SEE DESIGN CODE STAMP.

| M.T. | P.T. | R.T. | U.T. |
|---|---|---|---|
| | | | |

PRESSURE TEST

| MED. | PRESS. | DURATION |
|---|---|---|
| | | |

ADDITIONAL

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

NPS DESIGNS INC. 1
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 6/1/72 CONTAINMENT BLDG.
CKD. LdB DATE 6/29
ISSUED
REF. DWG. 1-5692
DWG. NO. 1-NSW-182
REV. 4