



| REV | DATE     | DR<br>CHK  | DESCRIPTION   | REMARKS                            |
|-----|----------|------------|---|------------------------------------|
| 1   | 10/29/71 | LGR<br>GN  | REVISED BY NPS DESIGNS. ADDED: 1. DESIGN CODE STAMP: 104-11205 2.F3; PIECE MARK 1A F1B; FW1AA 118852 TO WELD PROCEDURE 3. REVISED PIPING AT CPN DELETED. 4. NOTE: REV PIPING TO SUIT AEP COMMENTS ON 1-5489A REV'D DELETED 172-40+12", 15R 35'-0" WAS 55'4 1/2". AS PER AEP ARRGT 1-5489A-0 | FIELD ACTION REQ. TAB ACTION REQ'D |
| 2   | 4-11-72  | J.Q.<br>GN | REVISED PIPING & ADDED NOTE FOR FIELD REMARK FOR PC MK1, 1A F1B, ADDED ITEM 1, BOX FOR TOTAL NO. OF FW3, DELETED WELD PROCEDURE. PER AEP DWG. 1-5489A-2.  | FIELD ACTION REQ'D                 |
| 3   | 2/17/73  | B.M.       | REV. BY NPS PER AS BUILT DWS 57'-4" WAS 57'-6" 12'-0" WAS 11'-9" 55'-1 1/2" WAS 55'-0 55'-1 1/2" WAS 55'-4 12'-0" WAS 48'-9" WAS 48'-0" 3'-9 1/2" WAS 3'-9 1/2" 4'-10 1/2" WAS 45'-0" AS PER AEP ARRGT DWG. 1-5489A-4   | NO ACTION REQ'D                    |

[illegible]

|                      |  |      |  |     |       |    |    |    |    |       |    |     |     |     |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |   |       |  |  |  |       |       |  |  |  |        |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |  |  |  |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |
|----------------------|--|------|--|-----|-------|----|----|----|----|-------|----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|---|-------|--|--|--|-------|-------|--|--|--|--------|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|--|--|--|------|--|--|--|--|------|--|--|--|--|------|--|--|--|--|
| DESIGN SPEC.         |  |      |  |     |       |    |    |    |    |       |    |     |     |     | TESTING P.W. RT. 100%  |  |  |  |  |  |  |  |  |  |       |  |  |  |  | TU LATEST DWGS.   |       |  |  |  |       |       |  |  |  |        |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |  |  |  |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |
| HANGER SEISMIC CLASS |  |      |  |     |       |    |    |    |    |       |    |     |     |     | R.P. = WORKING POINT<br>T.S.E. = THREAD ONE END<br>T.S.E. = THREAD BOTH ENDS<br>B.S.E. = BEVEL ONE END<br>T.O.P. = TOP OF PIPE ELEV.<br>Q.L. = MATERIAL QUALITY REQUIREMENTS<br>T.L. = TRUE LENGTH |  |  |  |  |  |  |  |  |  |       |  |  |  |  | B.S.E. = BEVEL BOTH ENDS<br>P.O.E. = PLAIN ONE END<br>P.B.E. = PLAIN BOTH ENDS<br>S.O.E. = SHAPE ONE END<br>R.O.P. = BOTTOM OF PIPE ELEV. |       |  |  |  |       |       |  |  |  |        |               |  |  |  | F.W. = FIELD WELD<br>H = HORIZONTAL<br>V = VERTICAL<br>SW = SHOWN WELD<br>FSW = R/FIELD SHOWN WELD |  |  |  |  |  |  |  |  |  | B = FIELD WELD<br>O = AUTOMATIC SHOP WELD<br>M = MANUAL SHOP WELD<br>V = VERIFY DIMENSION IN FIELD |          |  |  |  |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |
| MATERIAL CLASS       |  |      |  |     |       |    |    |    |    |       |    |     |     |     |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |   |       |  |  |  |       |       |  |  |  |        |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |  |  |  |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |
| PIPE                 |  |      |  |     |       |    |    |    |    |       |    |     |     |     | FITTINGS   |  |  |  |  |  |  |  |  |  |       |  |  |  |  | TESTING   |       |  |  |  |       |       |  |  |  |        |               |  |  |  | ADDITIONAL   |  |  |  |  |  |  |  |  |  |  |          |  |  |  |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |
| A-53                 |  |      |  |     | A-106 |    |    |    |    | A-376 |    |     |     |     | A-312  |  |  |  |  |  |  |  |  |  | A-103 |  |  |  |  | A-234   |       |  |  |  | A-182 |       |  |  |  | N.D.T. |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |  |  |  |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |
| GR-B                 |  |      |  |     |       |    |    |    |    |       |    |     |     |     |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |   |       |  |  |  |       |       |  |  |  |        |               |  |  |  | A.T.   |  |  |  |  |  |  |  |  |  |  |          |  |  |  | P.T. |  |  |  |  | R.T. |  |  |  |  | U.T. |  |  |  |  |
| STD.                 |  | XY   |  | XXY |       | 10 | 20 | 30 | 40 | 60    | 80 | 100 | 120 | 140 | 160  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |   | A-403 |  |  |  |       | A-181 |  |  |  |        | PRESSURE TEST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |  |  |  |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |
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| SMLS                 |  | WELD |  |     |       |    |    |    |    |       |    |     |     |     |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |   |       |  |  |  |       |       |  |  |  |        | PRESS.        |  |  |  |  |  |  |  |  |  |  |  |  |  |  | DURATION |  |  |  |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |

| POUR/ZONE No. <u>IC-7</u>      |               | FLOW DIAGRAM <u>I-2-SIIDA</u>                          |      |
|--------------------------------|---------------|--|------|
| REQUIRED COMPLETION DATE _____ |               | O.S.I.   |      |
| FABRICATED BY <u>TUBECO</u>    |               | <u>WELD PROCEDURE</u>                                  |      |
| REVISION RECORD                |               |  |      |
| NO.                            | DATE          | DESCRIPTION  |      |
|                                |               |  |      |
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|                                |               |  |      |
|                                |               | LIVSEY & COMPANY, INC.<br>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-G7<br>SH 1 OF 1 (LATER)                          | 3    |
| REF. DWG.                      | J-5489A       |  |      |

D-54A