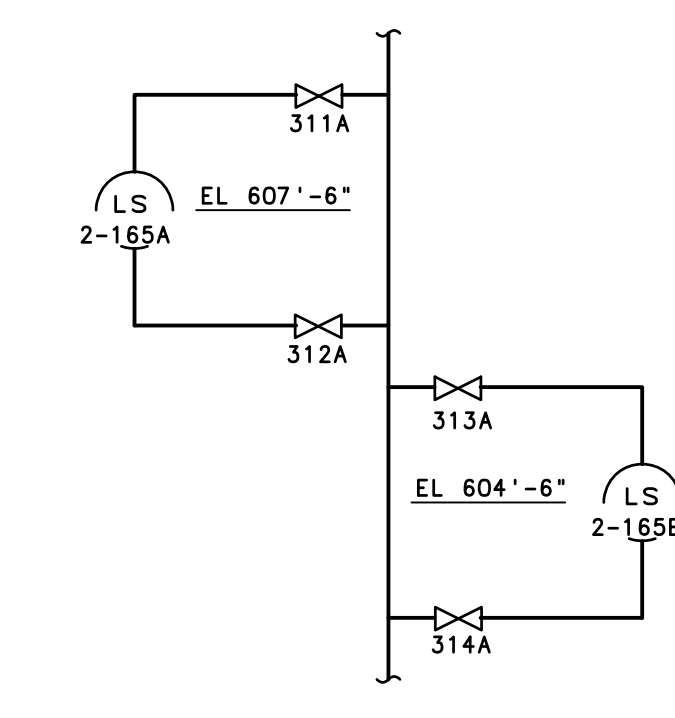
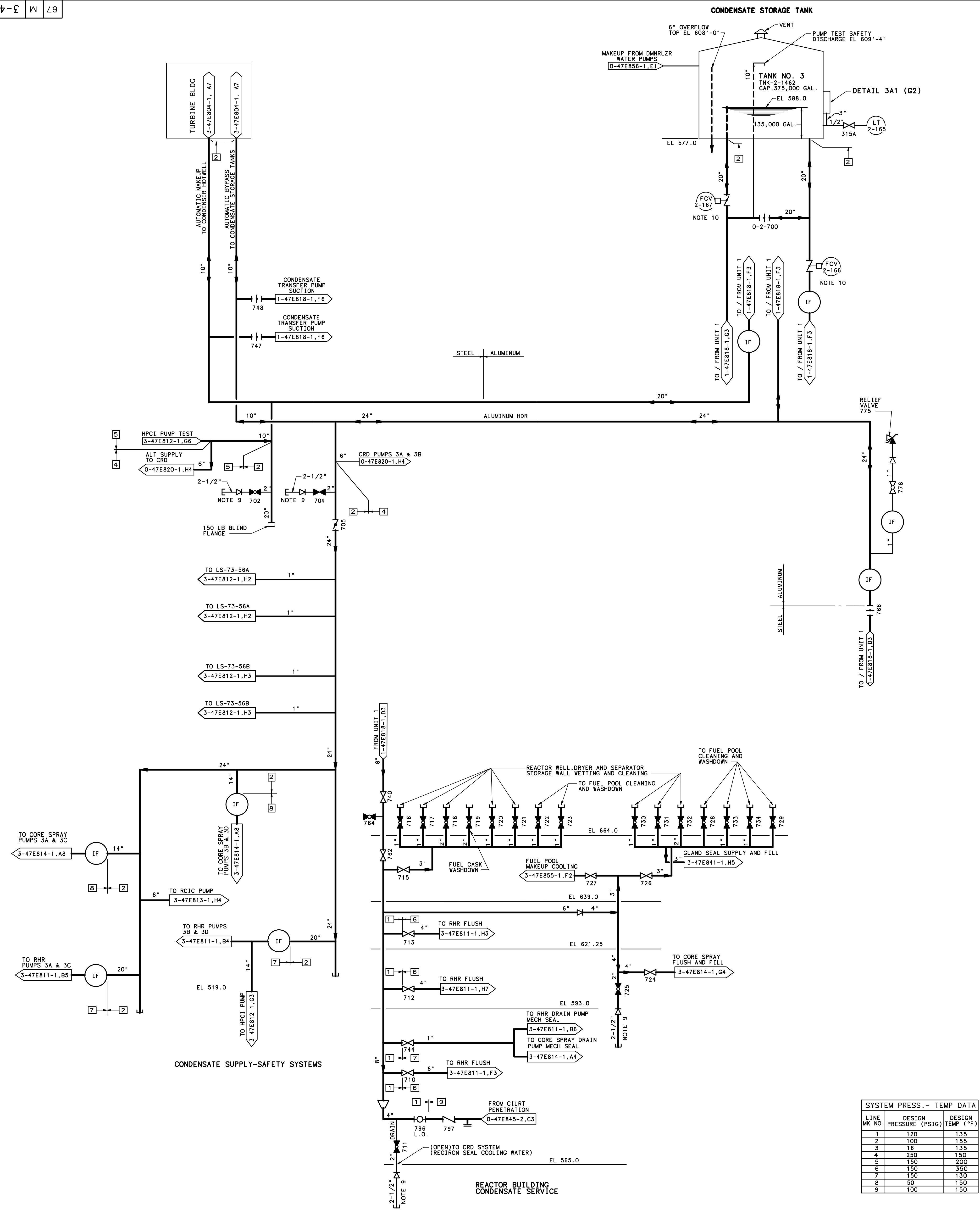


67 M 3-47E818-1 6020



DETAIL 3A1
THIS DRAWING, H4

- NOTES:
1. ALL VALVES ARE SAME SIZE AS PIPING, UNLESS OTHERWISE NOTED.
 2. ALL PRESSURE AND TEST CONNECTIONS ARE 1/2", UNLESS OTHERWISE NOTED.
 3. UNITS ON DRAWINGS ARE FOR REFERENCE ONLY AND ARE ABBREVIATED AS SHOWN IN THE EXAMPLE TO MEET SPACE CONSTRAINTS. REFER TO MEL FOR COMPLETE UNITS. ALL UNITS ARE IN UNIT 3 AND SYSTEM 002 UNLESS OTHERWISE NOTED. LEADING ZEROS SHOWN IN MEL AS PART OF THE UNIT ARE NOT DELETED. FOR ADDITIONAL GUIDANCE, REFER TO NEP-4.
 4. [] ETC. DENOTES DESIGN PRESSURE AND TEMPERATURE AS GIVEN IN TABLE THIS DRAWING.
 5. DELETED
 6. THE DESIGN PRESSURE AND TEMPERATURE OF ALL DRAIN AND VENT LINES THROUGH THE LAST ISOLATION VALVE SHALL BE THE SAME AS THE PROCESS LINE.
 7. DELETED
 8. VENT, DRAIN, AND TEST CONNECTIONS 1-1/2" AND BELOW CAN BE PROVIDED WITH PIPE CAPS OR HOSE CONNECTION FITTINGS WERE REQUIRED BY PLANT PERSONNEL. THIS CONFIGURATION IS SUPPORTED BY ENGINEERING CALCULATION CD-00999-3-53399.
 9. 2" DRAIN VALVES 702, 704, 711 AND 725 ARE EQUIPPED WITH NST FIRE ROSE CONNECTIONS TO SUPPORT MITIGATION STRATEGY REQUIREMENTS OF PROVIDING WATER VIA THE FIRE PROTECTION SYSTEM RING HEADER FOR HOTWELL MAKEUP AND DRYWELL INJECTION. REF: CIVIL CALCULATOR CD0099920070039.
 10. VALVE SHALL REMAIN OPEN FOR NFPA 805 REQUIREMENTS EXCEPT WHEN REQUIRED FOR TESTING OR OPERATION.

REFERENCE DRAWINGS:

| MEL | MECHANICAL VALVE MARKER TAG TABULATION |
|---------------|---|
| 3-47E810-73-1 | MECHANICAL VALVE MARKER TAG TABULATION |
| 3-47E810-2 | MECHANICAL CONTROL DIAGRAM - HPCL SYSTEM |
| 3-47E804-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE SYSTEM |
| 3-47E811-1 | MECHANICAL CONTROL DIAGRAM - RHR SYSTEM |
| 3-47E812-1 | MECHANICAL CONTROL DIAGRAM - HPCL SYSTEM |
| 3-47E813-1 | MECHANICAL CONTROL DIAGRAM - RHR SYSTEM |
| 3-47E814-1 | MECHANICAL CONTROL DIAGRAM - CORE SPRAY SYSTEM |
| 3-47E815-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E816-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E817-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E818-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E819-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E820-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E821-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E822-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E823-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E824-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E825-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E826-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E827-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E828-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E829-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E830-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E831-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E832-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E833-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E834-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E835-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E836-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E837-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E838-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E839-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E840-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E841-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E842-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E843-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E844-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E845-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E846-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E847-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E848-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E849-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E850-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E851-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E852-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E853-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
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| 3-47E855-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E856-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E857-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
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| 3-47E861-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E862-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E863-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E864-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E865-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E866-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E867-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E868-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E869-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E870-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E871-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E872-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E873-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E874-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E875-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
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| 3-47E878-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
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| 3-47E883-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E884-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
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| 3-47E887-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E888-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E889-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E890-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E891-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E892-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E893-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E894-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E895-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E896-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E897-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E898-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E899-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |
| 3-47E900-1 | MECHANICAL CONTROL DIAGRAM - CONDENSATE STORAGE AND SUPPLY SYSTEM |

AMENDMENT 28

REACTOR BUILDING & YARD
UNIT 3

BROWNS FERRY NUCLEAR PLANT
FINAL SAFETY ANALYSIS REPORT

CONDENSATE STORAGE
AND SUPPLY SYSTEM
FLOW DIAGRAM
FIGURE 11.9-1b SH 3

SYSTEM PRESS. - TEMP DATA

| LINE NO. | DESIGN PRESS. (PSIG) | DESIGN TEMP (°F) |
|----------|----------------------|------------------|
| 1 | 120 | 135 |
| 2 | 100 | 155 |
| 3 | 15 | 135 |
| 4 | 250 | 150 |
| 5 | 150 | 200 |
| 6 | 150 | 350 |
| 7 | 150 | 130 |
| 8 | 50 | 150 |
| 9 | 100 | 150 |

COMPANION DRAWINGS:
1-47E818-1
2-47E818-1

BFN-22

Figure 11.9-3
(Deleted by Amendment 22)

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