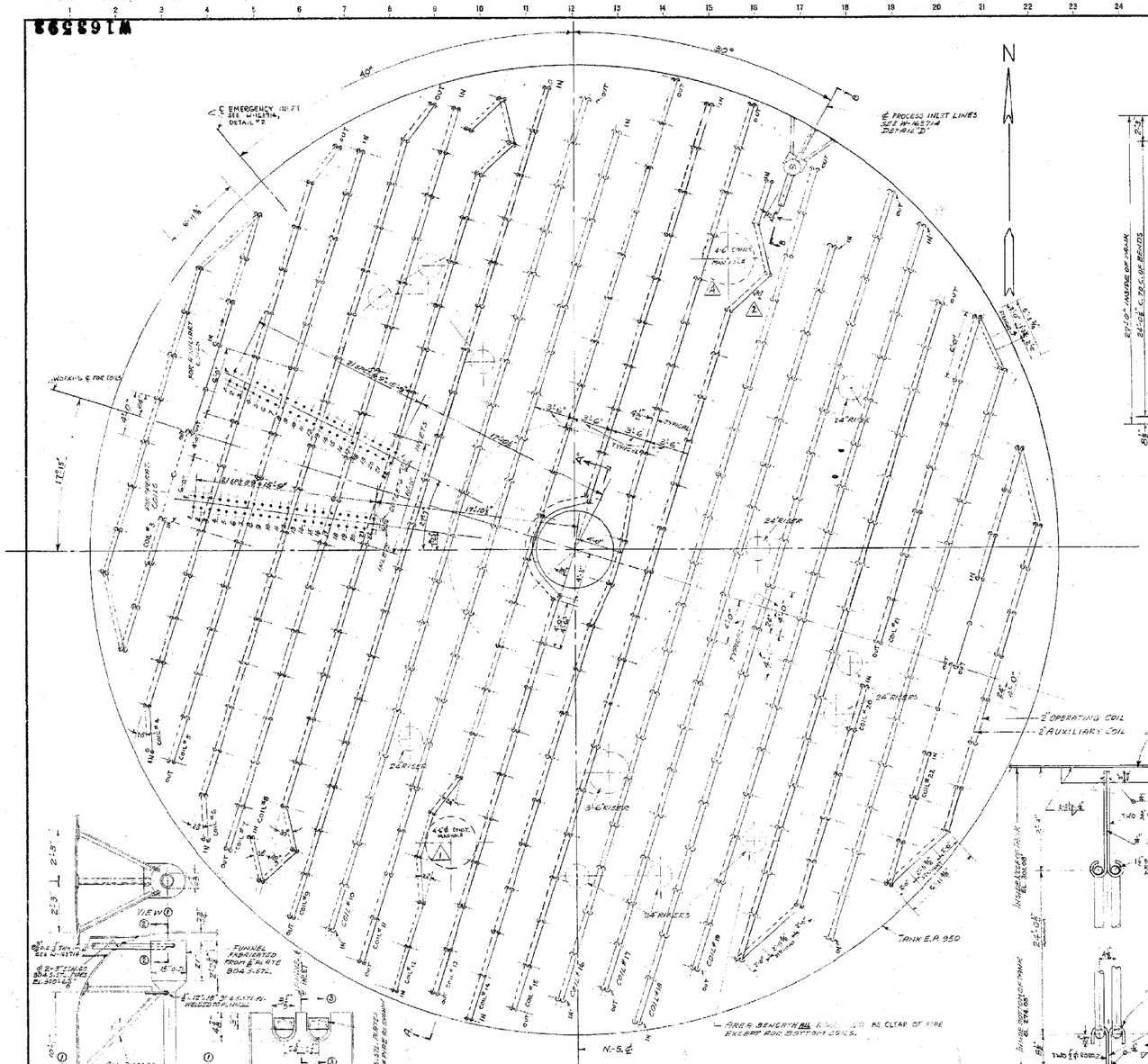
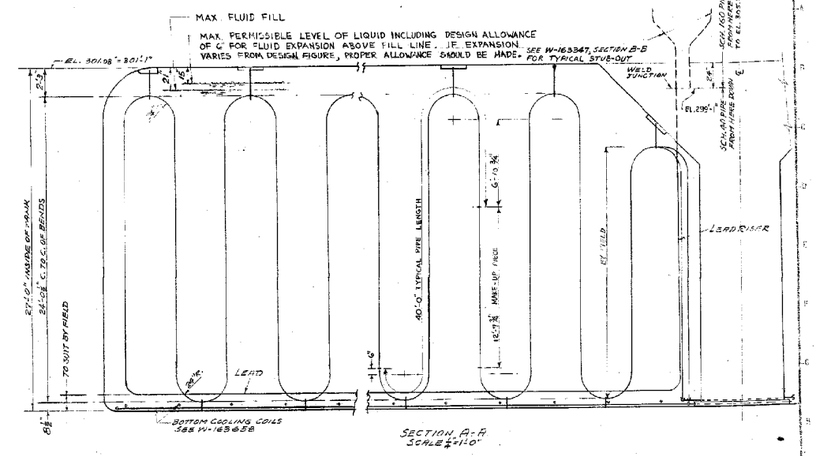
W168598

ANALYZE & MARK THIS PRINT FOR ALL SAFETY CONSIDERATIONS IN DESIGN OR CONSTRUCTION




PLAN - BELOW DECK OF STEEL TANK
SCALE 1/8"=1'-0"
COILS FOR 4 TANKS #13, #14, #15 & #16 - E.P. 950
COILS FOR TANKS #13 & #15 AS SHOWN
COILS FOR TANKS #14 & #16 OPPOSITE HAND FROM N.S.℄




SECTION A-A
SCALE 1/4"=1'-0"

## GENERAL NOTES

MATERIAL - ALL PIPE FOR COILS AND LEADS TO BE 2" SCHD. 40 SEAMLESS PIPE PER A.S.T.M. SPEC. A-106, GR. A OR A-53, GR. A (EXCEPT TOP END OF COIL LEADS TO BE SCHD. 160 AS NOTED IN SEC. "A-A"). MATERIAL FOR SUPPORTS TO BE PER A.S.T.M. SPEC. A-283 OR A-7.

CONSTRUCTION, WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH THE 1951 A.M. STD. CODE FOR PRESS. PIPING UNLESS OTHERWISE NOTED OR DETAILED. WELDING TO BE IN ACCORDANCE WITH DUPONT SPEC. # 3018, PART III PAR. 15.9. NO INSPECTION BY ANY CODE AGENCY REQUIRED. ALL BENDS IN PIPE COIL TO BE MADE ON A 24" RADIUS. RADIUS OF BENDS IN COIL LEADS TO BE DETERMINED BY FIELD EXCEPT THAT BENDS ARE LIMITED TO A MIN. OF 10" RADIUS. NO WELDS PERMITTED WITHIN 3" OF ANY BEND.

DESIGN PRESSURE - 150 PSI. AT 250°F.

TESTING - "TEST PROCEDURE "C", SPEC. 3018, PART III PAR. 22 APPLIES. TEST AS FOLLOWS -
1. 300 PSIG. HYDROSTATIC TEST
2. REMOVE WATER FROM COIL AND THEN SUBJECT COIL TO 100 PSIG. AIR TEST. TEST ALL WELDS WITH A SOAP AND WATER SOLUTION WHILE TEST PRESSURE IS MAINTAINED.

NOTE RESTRICTIONS ON LIQUID LEVEL AS SET FORTH IN SECTION "A-A".

FIELD TO DETERMINE ROUTE AND ELEVATION OF ALL COIL LEADS BETWEEN COIL STUB-OUTS AND COIL ENDS MARKED "IN" AND "OUT". STUB-OUTS ARE NUMBERED TO INDICATE COIL SERVED.

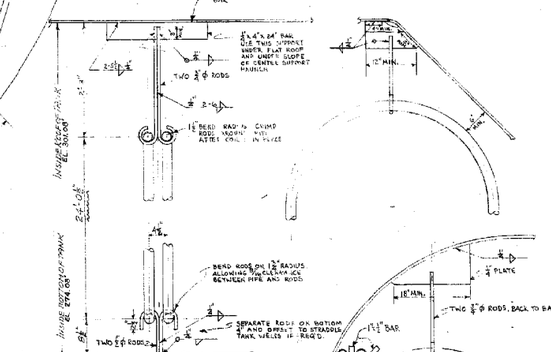
FIELD TO DETERMINE LENGTH OF COIL LOOPS WHICH ARE LOCATED UNDER HAUNCH OF CENTRAL SUPPORT COLUMN. MAINTAIN 6" CLEARANCE BETWEEN PIPE AND PLATE ENCLOSING SUPPORT

NOTCH SUPPORT CLIPS WHERE THEY STRADDLE TANK WELDS. NO WELDS TO BE PERMITTED OVER TANK WELDS.

LENGTH OF INDIVIDUAL COILS (EXCLUDING COIL LEADS) IS AS FOLLOWS:

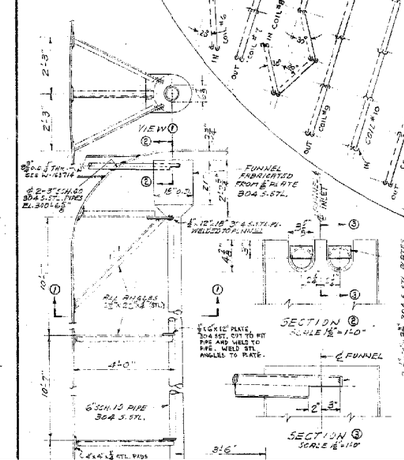
| COILS NO. | APPROX. LENGTH |
|---|---|
| 3-6-7-17-19-22 | 474' |
| 4-5 | 369' |
| 8-9-10-11-13-15-16-18 | 527' |
| 12-14-20-21 | 579' |

TOTAL COIL LENGTH (INCL. BOTTOM COILS & COIL LEADS)
OPERATING COILS 14700'
AUXILIARY COILS 14700'




COIL SUPPORT-TYPICAL
SCALE 1"=1'-0"

ALTERNATE COIL SUPPORTS TO BE USED AT DISCRETION OF FIELD WHERE REQ'D.




NOTE - 16 TUBES REQUIRED FOR 16 COILS THROUGHOUT

2-3/8"x3/8"x17 LG. 304 S.ST. BARS TOP END CUT TO FIT PIPE. LOCATE BARS TO CLEAR BOTTOM COILS.

INVENTORIED BY T.S.
DATE 1/14/94

| PROJ. NO. | REVISIONS | REVISED BY DATE | CHECKED BY DATE | APPROVED BY DATE |
|---|---|---|---|---|
| | | | | |

| PROJ. NO. | REVISIONS | REVISED BY DATE | CHECKED BY DATE | APPROVED BY DATE |
|---|---|---|---|---|
| | | | | |

| PROJ. NO. | REVISIONS | REVISED BY DATE | CHECKED BY DATE | APPROVED BY DATE |
|---|---|---|---|---|
| 8980 | 1 REDUCED COIL HAUNCH & SUPPORT | L.W.CAR. 11-18-85 | W.L.KEY 11-18-85 | J.A.SCOTT 11-25-85 |
| 8980 | 2 COILS #12, 15 & 16 TO CLEAR NEW CONSTRUCT. | W.L.KEY 12-5-86 | | J.A.SCOTT 12-9-86 |
| 8980 | 3 ALL LENGTHS WERE 540-437-604-584 | W.L.KEY 1-7-87 | J.A.SCOTT 1-7-87 | J.A.SCOTT 1-7-87 |
| 8980 | 4 REDUCED COILS HAUNCHES & COILS TO MATCH AS BUILT DIM. | W.L.KEY 11-30-87 | J.A.SCOTT 11-30-87 | J.A.SCOTT 11-30-87 |

REFERENCE STANDARDS: G1Y

| REFERENCE DRAWINGS | |
|---|---|
| W-163658 | BOTTOM COOLING COILS |
| W-163012 | TOP PLAN OF TANK - STEEL |
| W-162672 | TANK DETAILS - STEEL |
| W-163015 | TANK GENERAL ARRGT. |
| W-163714 | PROCESS PIPING ARRGT. |
| W-163347 | VALVE HOUSE PIPING ARRGT. |

PROJ. NO. 8980
SCALE AS INDICATED
DRAWN BY C. BODAN 9-19-85
CHECKED BY W. L. KEY 10-26-85
APPROVED BY J. A. Scott 11-25-85
APPROVED BY

ENGINEERING DEPARTMENT

W168598

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ENGINEERING DOC. CONTROL - SRS
00009494

SAVANNAH RIVER PLANT
200 AREA - BLDG. 241H
VERTICAL COOLING COILS FOR
85'-0" DIA. WASTE STORAGE TANK