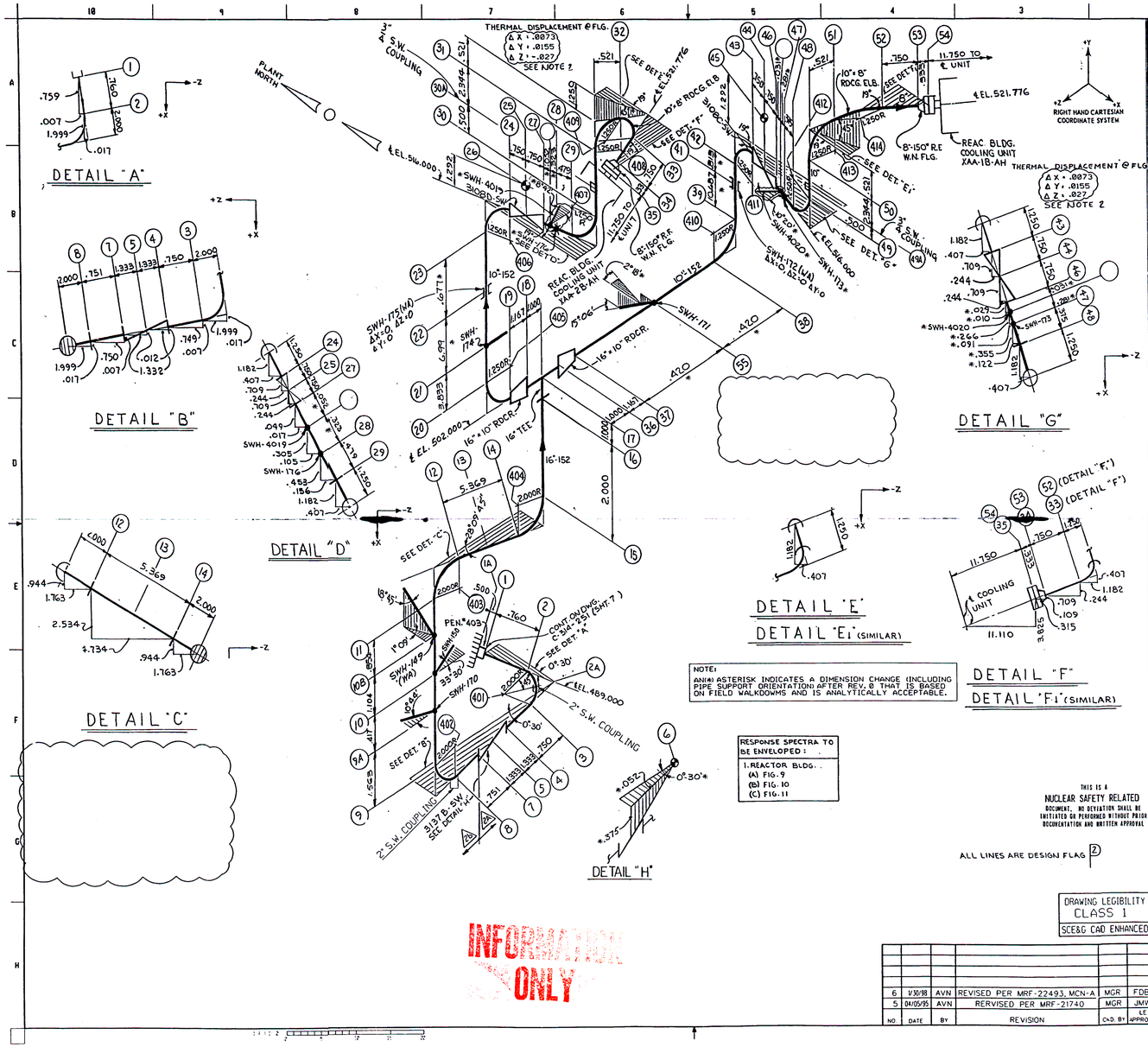


DESIGN CONDITIONS

SEE DSP 544H 044461-000

OPERATING CONDITIONS

SEE DSP 544H 044461-000

PIPING CODE: 44G1 SW-09

| PIPE MATERIAL | LINE SPEC | LINE SIZE | REF TEMP °F | LIN EXP. IN/100 FT. | MOD. OF ELAS. PSI x 10⁶ $E_H$ | $E_C$ |
|---|---|---|---|---|---|---|
| SA 106, GR.B | 152 | 8" | — | N/A | | |
| SA 106, GR.B | 152 | 10" | — | N/A | | |
| SA 106, GR.B | 152 | 16" | — | N/A | | |

| PIPE SIZE NOM. | PIPE SIZE O.D. | WALL THK. | WEIGHT LB./LINEAR FT. PIPE | CONTENT | INSULATION |
|---|---|---|---|---|---|
| 8" | 8.625" | .322 | 28.40 | 21.700 | — |
| 10" | 10.750" | .365 | 40.500 | 34.200 | — |
| 16" | 16.000" | .375 | 62.60 | 79.100 | — |

FIELD CHANGES

| | |
|---|---|
| FCR-B-6009 R/1 | |
| FCR-B-6010 R/1 | |
| FCR-B-8849 R/0 | |
| FCR-B-8915 R/0 | |
| FCR-B-8916 R/1 | |
| FCR-B-8939 R/0 | |
| FCR-B-9866 R/0 | |
| FCR-B-9867 R/1 | |
| FCR-B-11483 R/0 | |

SYMBOLS

- RIGID HANGER Y = 0
- VARIABLE (SPRING) HGR.
- CONSTANT LOAD HGR.
- GUIDE
- MECHANICAL RESTRAINT
- RIGID RESTRAINT
- ANCHOR
- CENTER OF GRAVITY
- DESIGN FLAG
- U-BOLT
- SLEEVE
- JET SHIELD
- RUPTURE RESTRAINT
- TEE

NOTES:

1. DIMENSIONS –
   - (a.) METERS AND DECIMALS OF METERS
   - (b.) FEET AND DECIMALS OF A FOOT
   - (c.) ALL DECIMALS SHALL BE CARRIED TO 3 PLACES
2. THERMAL DISPLACEMENTS WERE SCALED DOWN PER RFI-0417 12-23-80

| NO. | DATE | BY | REVISION | CKD. BY | LE APPROVAL |
|---|---|---|---|---|---|
| 6 | 1/30/98 | AVN | REVISED PER MRF-22493, MCN-A | MGR | FDB |
| 5 | 04/05/95 | AVN | RERVISED PER MRF-21740 | MGR | JMW |

DRAWING LEGIBILITY CLASS 1

SCE&G CAD ENHANCED

SOUTH CAROLINA ELECTRIC & GAS COMPANY

VIRGIL C. SUMMER NUCLEAR STATION

PIPING ANALYSIS DIAGRAM

SERVICE WATER FROM PENETRATION 403 TO REACTOR BLDG. COOLING UNITS "1B" & "2B"

DESIGN ENGINEERING

V. C. SUMMER NUCLEAR STATION JENKINSVILLE, S.C.

| MADE | CHECKED | LE APPROVAL |
|---|---|---|
| JMH | JHR | JMW |

SCALE NO SCALE

DRAWING NUMBER C-314-251

SHT. NUMBER 11 REV. 6

D1

x31400117.m(3817.xe1040) TB81857G.xe1040. Thu Mar 12 06:23:29 CST 1998