



| BILL OF MATERIAL    |     |                                 |         |       |           |
|---------------------|-----|---------------------------------|---------|-------|-----------|
| PC NO               | QTY | DESCRIPTION                     | ASTM NO | GRADE | COMMENTS  |
| DETAIL A & DETAIL B |     |                                 |         |       |           |
| 1                   | 30' | 3/4" 1 SCH 80 SMLS PIPE         | SA-106  | B     | CODE CS-1 |
| 2                   | 6   | 3/4"-3000" SW 90° ELL           | SA-105  |       | CODE CS-1 |
| 3                   | 4   | 3/4"-150" SW RF FLANGE          | SA-105  |       | CODE CS-1 |
| 4                   | 4   | 3/4"-150" RING GASKET 1/4" THK. |         |       |           |
| 5                   | 8   | 1/2" x 2 1/2" LG STUD BOLT      | SA-193  | B7    |           |
| 6                   | 16  | 1/2" 1 HVT. HX. NUT             | SA-194  | 2H    | 1364-5208 |
| 7                   | 4   | 3/4" DIAPHRAGM VALVE            |         |       |           |
| 8                   | 2   | 3/4" GLOBE VALVE                |         |       |           |
| 9                   | 2   | 3/4" CHECK VALVE                |         |       |           |
| DETAIL C            |     |                                 |         |       |           |
| 10                  | 6'  | 3/4" 1 SCH 80 SMLS PIPE         | SA-106  | B     | CODE CS-1 |
| 11                  | 2   | 3/4"-3000" SW 90° ELL           | SA-105  |       | CODE CS-1 |
| 12                  | 1   | 3/4"-3000" SW 45° ELL           | SA-105  |       | CODE CS-1 |
| 13                  | 4   | 3/4" DIAPHRAGM VALVE            |         |       | 1364-5208 |
| 14                  | 2   | 3/4"-3000" SCRD. PIPE CAP       | SA-105  |       | CODE CS-1 |
| DETAIL D            |     |                                 |         |       |           |
| 15                  | 3'  | 1" 1 SCH 80 SMLS PIPE           | SA-106  | B     | CODE CS-1 |
| 16                  | 1   | 1"-3000" SW 90° ELL             | SA-105  |       | CODE CS-1 |
| 17                  | 2   | 1" DIAPHRAGM VALVE              |         |       | 1364-5210 |
| 18                  | 1   | 1"-3000" SCRD. PIPE CAP         | SA-105  |       | CODE CS-1 |
| DETAIL E            |     |                                 |         |       |           |
| 19                  | 3'  | 1" 1 SCH 80 SMLS PIPE           | SA-106  | B     | CODE CS-1 |
| 20                  | 1   | 1"-3000" SW 90° ELL             | SA-105  |       | CODE CS-1 |
| 21                  | 2   | 1" DIAPHRAGM VALVE              |         |       | 1364-5210 |
| 22                  | 1   | 1"-3000" SCRD. PIPE CAP         | SA-105  |       | CODE CS-1 |
| DETAIL F            |     |                                 |         |       |           |
| 23                  | 2'  | 1/2" 1 SCH 80 SMLS PIPE         | SA-106  | B     | CODE CS-1 |
| 24                  | 2'  | 1/2" 1 SCH 80 SMLS PIPE         | SA-106  | B     | CODE CS-1 |
| 25                  | 4   | 1/2" x 1/2"-3000" RED INSERT    | SA-105  |       | CODE CS-1 |
| 26                  | 4   | 1/2"-3000" SW 90° ELL           | SA-105  |       | CODE CS-1 |
| 27                  | 4   | 1/2" DIAPHRAGM VALVE            |         |       | 1364-5208 |
| DETAIL G            |     |                                 |         |       |           |
| 28                  | 8'  | 1" 1 SCH 80 SMLS PIPE           | SA-106  | B     | CODE CS-1 |
| 29                  | 15' | 1" 1 SCH 80 SMLS PIPE           | SA-106  | B     | CODE CS-1 |
| 30                  | 4   | 1"-3000" SW 90° ELL             | SA-105  |       | CODE CS-1 |
| 31                  | 2   | 1"-3000" SW 90° ELL             | SA-105  |       | CODE CS-1 |
| 32                  | 4   | 1" DIAPHRAGM VALVE              |         |       | 1364-5210 |
| 33                  | 1   | 1"-3000" SW TEE                 | SA-105  |       | CODE CS-1 |
| DETAIL H            |     |                                 |         |       |           |
| 34                  | 5'  | 1/2" 1 SCH 80 SMLS PIPE         | SA-106  | B     | CODE CS-1 |
| 35                  | 2   | 1/2"-3000" SW 90° ELL           | SA-105  |       | CODE CS-1 |
| 36                  | 4   | 1/2" DIAPHRAGM VALVE            |         |       | 1364-5208 |
| 37                  | 2   | 1/2"-3000" SCRD. PIPE CAP       | SA-105  |       | CODE CS-1 |

BILL OF MATERIALS QUANTITIES ARE FOR NEW CONSTRUCTION ONLY.  
REFER TO THE APPROPRIATE PIPING CODE FOR ACCEPTABLE MATERIAL SUBSTITUTION.

NOTES:  
1. PIPING SHALL CONFORM TO GENERAL POWER PIPING SPECIFICATION CAR-SH-M-30.

- 1-CC-H-2246
- 1-CC-H-2247
- 1-CC-H-2248
- 1-CC-H-2249
- 1-CC-H-2250
- 1-CC-H-2259
- 1-CC-H-2260
- 1-CC-H-2261
- 1-CC-H-2262
- 1-CC-H-2263
- 1-CC-H-2264
- 1-CC-H-2265
- 1-CC-H-2266
- 1-CC-H-2267
- 1-CC-H-2268
- 1-CC-H-2271
- 1-CC-H-2272

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Revision No. 0  
Page No. 10.7

|   |        |                                      |          |         |      |
|---|--------|--------------------------------------|----------|---------|------|
| REV   | DATE   | DESCRIPTION                          | OWN      | CHK     | APPR |
| A   | 5/2/84 | ISSUED FOR CONSTRUCTION (SEE SHEETS) |          |         |      |
| PROFESSIONAL ENGINEER   |        |                                      |          |         |      |
| QUALITY LEVEL: SAFETY RELATED IN PART   |        |                                      |          |         |      |
| CAROLINA POWER & LIGHT COMPANY<br>NUCLEAR ENGINEERING DEPARTMENT  |        |                                      |          |         |      |
| PLANT: SHEARON HARRIS - UNIT 1 SCALE: NONE  |        |                                      |          |         |      |
| TITLE: FUEL HANDLING BUILDING PIPING<br>SPENT FUEL POOL COOLING SYSTEM<br>COMPONENT COOLING WATER - MISC. DETAILS |        |                                      |          |         |      |
| DESIGN NO.  | REV    | DATE                                 | DESIGNER | CHECKER | DATE |
| 5-C-8412.5-G-0127   |        |                                      |          |         |      |
| PROJECT NO.   | DATE   | SCALE                                |          |         |      |
| 9800219-M-2804  |        |                                      |          |         |      |

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APERTURE CARD

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