



DESIGN CONDITIONS
SEE DSP 544H 044461-000

OPERATING CONDITIONS
SEE DSP 544H 044461-000

PIPING CODE: 4461 SW-09

PIPE MATERIAL	LINE SPEC	LINE SIZE	REF TEMP °F	LN EXP. IN/100 FT.	MOD. OF ELAS. EFF. 100%	EH	EC
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	WALL THK.	WEIGHT LB./LINEAR FT.	
		PIPE	INSULATION
NOM. O.D.			
8"	.322	28.60	21.700
10"	.365	40.500	34.200
16"	.375	62.40	79.100

FIELD CHANGES

FCR-B-6009 R/I
FCR-B-6010 R/I
FCR-B-8849 R/O
FCR-B-8915 R/O
FCR-B-8916 R/I
FCR-B-8939 R/O
FCR-B-9846 R/O
FCR-B-9847 R/I
FCR-B-11483 R/O

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:

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

NOTE:
AN(A) ASTERISK INDICATES A DIMENSION CHANGE (INCLUDING PIPE SUPPORT ORIENTATION) AFTER REV. 0 THAT IS BASED ON FIELD WALKDOWNS AND IS ANALYTICALLY ACCEPTABLE.

RESPONSE SPECTRA TO BE ENVELOPED:
1. REACTOR BLDG. . .
(A) FIG. 9
(B) FIG. 10
(C) FIG. 11

THIS IS A NUCLEAR SAFETY RELATED DOCUMENT. NO DEVIATION SHALL BE INITIATED OR PERFORMED WITHOUT PRIOR DOCUMENTATION AND WRITTEN APPROVAL.

ALL LINES ARE DESIGN FLAG ②

DRAWING LEGIBILITY CLASS 1
SCE&G CAD ENHANCED

SOUTH CAROLINA ELECTRIC & GAS COMPANY
VIRGIL C. SUMNER NUCLEAR STATION

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

DESIGN ENGINEERING

DESIGNED BY	CHECKED BY	DATE
JMH	JHR	

DATE	BY	REVISION	SCALE
6 1/30/98	AVN	REVISED PER MRF-22493, MCN-A	MGR FDB
5 04/05/95	AVN	REVISED PER MRF-21740	MGR JMW

DRAWING NUMBER: C-314-251
SHEET NUMBER: 11 OF 16

INFORMATION ONLY

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