



DESIGN CONDITIONS  
 SEE DSP-544H-044461-000 REV 5 4-24-81

OPERATING CONDITIONS  
 SEE DSP-544H-044461-000 REV 5 4-24-81

PIPING CODE: 4461 - SWOT

PIPE MATERIAL	LINE SPEC	LINE SIZE	REF. TEMP. °F	LN. EXP. IN/100 FT.	MOD. OF ELAS. PER 10'	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
8"	.322	28.600	21.700
10"	.365	40.500	34.200
16"	.375	62.600	79.100

FIELD CHANGES

FCR-B-8179-R/1	DN-6419
FCR-B-3044-R/3	
FCR-B-2833-R/0	
FCR-B-7636-R/0	
FCR-B-8783-R/1	
FCR-B-8215-R/0	
FCR-B-8791-R/0	
FCR-B-9941-R/1	
FCR-B-11694-R/0	
FCR-B-10477-R/1	
FCR-B-11695-R/0	
FCR-B-12544-R/0	
FCR-B-11255-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:

- DIMENSIONS -
  - (A.) METERS AND DECIMALS OF METERS
  - (B.) FEET AND DECIMALS OF A FOOT
  - (C.) ALL DECIMALS SHALL BE CARRIED TO 3 PLACES

REFERENCES:

C-314-251 SHEET 14 SERVICE WATER - FROM PEN. #304 TO REACTOR BUILDING COOLING UNITS "1A" AND "2A" - DETAILS

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

DRAWING LEGIBILITY CLASS 1  
 SCE&G CAD ENHANCED

TITLE	NUMBER	REV.
AS BUILT ISOMETRIC	30-SW-21	34
AS BUILT ISOMETRIC	SE-SW-23	21
SERVICE WATER COOLING	E-304-257	1
SERVICE WATER COOLING	D-302-222	17

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

PIPING ANALYSIS DIAGRAM  
 SERVICE WATER - FROM PEN. #304 TO REACTOR BLDG. COOLING UNITS "1A" & "2A"

DESIGN ENGINEERING

MADE	CHECKED	LE APPROVAL
JMH	JHR	JMW

NO.	DATE	BY	REVISION	MGR	JMW LE	CDK BY APPROVAL
3	04/05/95	AVN	REVISED PER MRF-21740			

C-314-251 13 3  
 DRAWING NUMBER SMT. NUMBER REV