



DESIGN CONDITIONS
DSP-544R-044461-000

OPERATING CONDITIONS
DSP-544R-044461-000

PIPE CODE	LINE SPEC	LINE SIZE	REF. TEMP	LINE EXP. FACTOR	NO. OF ELAB. JOINTS
A-312	GRTF-304	GOXK 12"		NA	
A-312	GRTF-304	GOXK 6"		NA	

PIPE SIZE	WALL THK.	WEIGHT LB.-LINEAR FT.
12"	0.375	49.6
6"	0.250	13.97

FIELD CHANGES

FOR B-3045 REV. 1	DESCRIPTION
NN-5RGR	-1-P-0222
	-1-M-0194
	-1-P-0205
	-1-P-0179
	-1-P-0361
	-1-P-0362
	-1-P-600

- SYMBOLS
- RIGID HANGER Y=0
 - VARIABLE (SPRING) HGR.
 - CONSTANT LOAD HGR.
 - GUIDE MECHANICAL RESTRAINT
 - RIGID RESTRAINT
 - ANCHGR
 - CENTER OF GRAVITY
 - JET SHIELD
 - U-BOLT
 - SLEEVE
 - PIPE JOINT RESTRAINT
 - TEE
 - DESIGN FLAG
- NOTES:
- DIMENSIONS - (A) METERS AND DECIMALS OF METERS (F) FEET AND DECIMALS OF A FOOT (G) ALL DECIMALS SHALL BE CARRIED TO 3 PLACES
 - ALL VALVES & EQUIPMENT ARE ASSUMED INFLEXIBLE.

REFERENCE DWG:

TITLE	NUMBER	REV.
FLOW DIAGRAM R.C. SYSTEM	E-302-632	3
AS BUILT ISOMETRIC	5E-RC-07	54
AS BUILT ISOMETRIC	5E-RC-11	30
REACTOR COOLANT	E-304-603	8
REACTOR COOLANT	E-304-604	11
REACTOR COOLANT	E-304-605	10

SOUTH CAROLINA ELECTRIC & GAS COMPANY

VIRGIL C. SUMNER NUCLEAR STATION UNIT #1

PIPING ANALYSIS DIAGRAM

REACTOR COOLANT - PRESSURIZER SAFETY VALVE

DISCHARGE TO PRESSURIZER RELIEF TANK

READING PA. GILBERT ASSOCIATES, INC. ENGINEERS AND CONSULTANTS

MADE BY: J.M. JONES, P.E. CHECKED BY: J.M. JONES, P.E. APPROVED BY: J.M. JONES, P.E.

SCALE: 1/4"=1'-0"	DATE: 04 4461	DWG. NO.: C-314-601	SHEET NO.: 32	TOTAL SHEETS: 4
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NOTE: AN (*) INDICATES A DIMENSION CHANGE (INCLUDING PIPE SUPPORT ORIENTATION) AFTER REVISION O, THAT IS BASED ON FIELD WALKDOWNS AND IS ANALYTICALLY ACCEPTABLE

THERMAL MOVEMENT AT JT. # A55
ΔX = -0.0048
ΔY = 0.0381
ΔZ = 0.0000

NO S.A.M. ANALYSIS REQUIRED

FOR INFORMATION ONLY

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TI APERTURE CARD

PDR RIDS

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