

- NOTES:
- THIS DRAWING IS BASED UPON DWG. 114E073, SHEET 2 OF 5, REVISION 16 ("BASE DRAWING") OF WESTINGHOUSE ELECTRIC CORPORATION, NUCLEAR ENERGY SYSTEMS, PITTSBURGH, PA WHO IS SOLELY RESPONSIBLE FOR THE ACCURACY OR THE RELIABILITY OF THE DESIGN INFORMATION SET FORTH IN THE BASE DWG.
  - FOR ALPHA REFERENCES, SEE DWG. E-302-002, FLOW DIAGRAM LEGEND.
  - VALVE FAILS WITH FLOW TO VOLUME CONTROL TANK.
  - FOR CONTINUATION, SEE DWG. D-302-823.
  - FOR CONVENTIONAL PIPING SPECIFICATIONS, SEE GAI SPECIFICATION SP-329-4461-02, PAGE 29, WESTINGHOUSE PIPE CLASS CONVERSION TO ENGINEER'S PIPE LINE SPECIFICATION.
  - SYSTEMS AND COMPONENTS MARKED AS OR HAVE BEEN DECLASSIFIED TO QUALITY RELATED AS COVERED BY BRP-1.
  - VALVE IS "FAILED OPEN" AND CANNOT CHANGE POSITION WITHOUT A SOURCE OF AIR.

THE ASSOCIATED 307 DRAWING SHALL BE REVISED IN CONJUNCTION WITH REVISION TO THIS 302 IF THE CROSS HATCHED AREA IS AFFECTED.

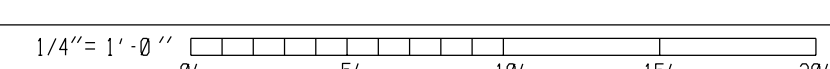
# ESSENTIAL

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

FSAR Figure 9.3-16 SH. 2			
SOUTH CAROLINA ELECTRIC & GAS COMPANY			
VIRGIL C. SUMNER NUCLEAR STATION			
PIPING SYSTEM FLOW DIAGRAM			
CHEMICAL AND VOLUME CONTROL			
DESIGN ENGINEERING			
1	2	3	
ACI	RHM	ROB	
E-302-674			14
DRAWING NUMBER			SHT. NUMBER

HYDROTEST TEMP. 40°F (MIN.)						
23	250	117	300	160	<12	290
22	35	115	150	250	<12	190
8	105	115	115	250	<12	145
7	90	117	300	250	<12	290
6	250	117	300	250	<12	290
5	356	140	600	382	<12	750
4	390	301	600	382	<12	750
PSIG	°F	PSIG	°F	DURATION	HYDRO	
NORMAL UPSET						

DESIGN DATA



NO.	DATE	BY	REVISION	CHKD. BY	APPROVAL
11	03/16/2004	DDJ	REVISED PER ECR-50506	MGR	KL
10	01/29/2001	JTS	REVISED PER ECR-50374	MGR	CCB/BCB
9	04/01/1999	TGB	REVISED PER ECR-50102	RHM	LRC
14	07/01/2010	CMS	REVISED PER ECR-50905	chk	JAC
13	12/06/2005	RHM	REVISED PER ECR-50506D	MGR	BCB
12	05/16/2005	JTS	CADD ENHANCED PER ECR-50239	MGR	DDJ