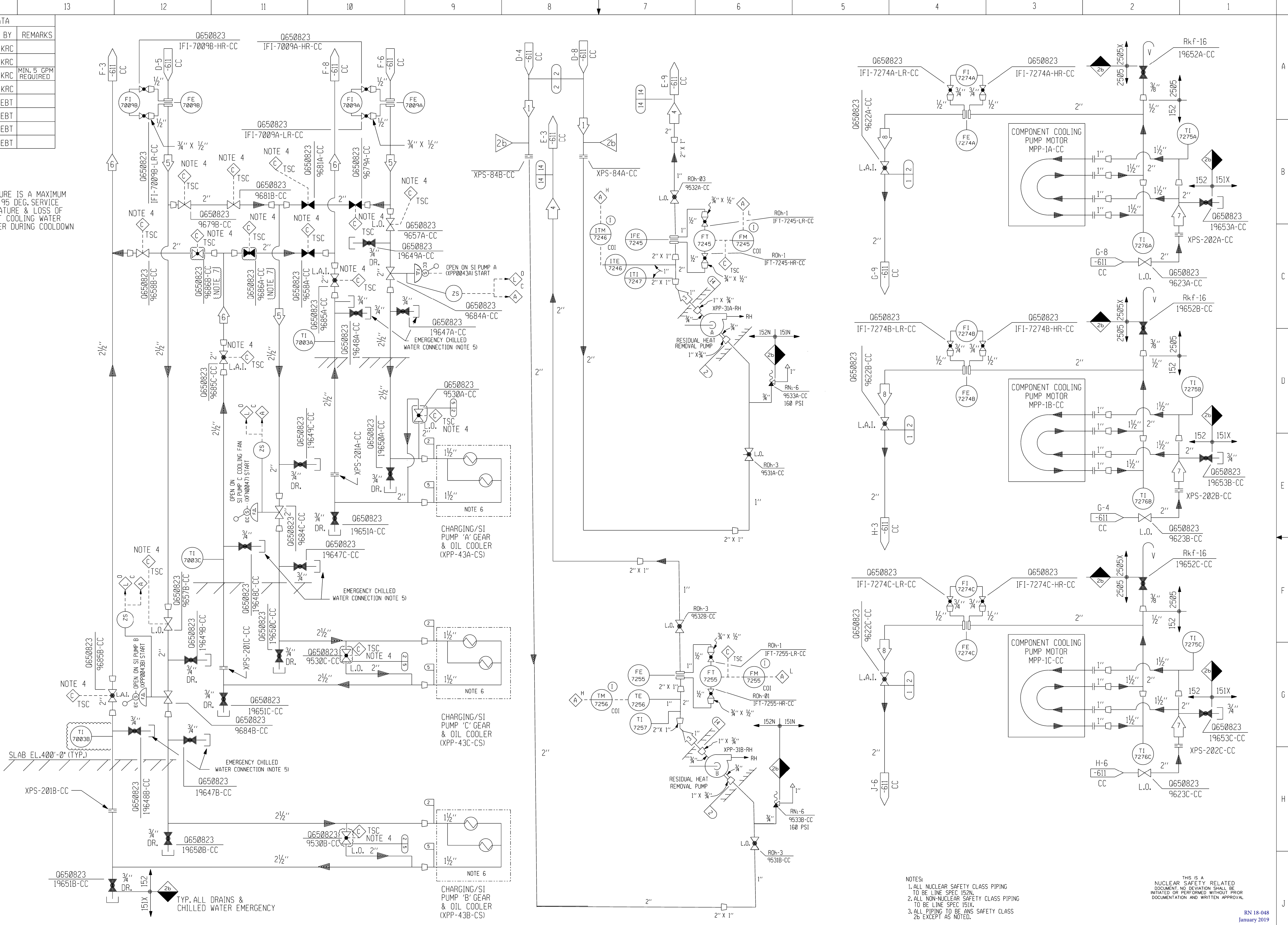


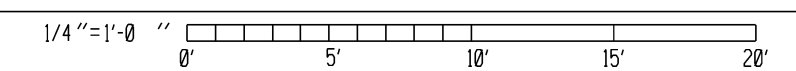
SYSTEM DATA				
NO.	MAX GPM	PSIG	# F	BY
1	40	100	120	KRC
2	15	90	135	KRC
3	40	90	140	KRC
4	40	85	135	KRC
5	75	100	120	EBT
6	75	95	125	EBT
7	55	100	120	EBT
8	55	50	126	EBT

* THIS TEMPERATURE IS A MAXIMUM EXPECTED FOR 95 DEG. SERVICE WATER TEMPERATURE & LOSS OF ONE COMPONENT COOLING WATER HEAT EXCHANGER DURING COOLDOWN MODE.



HYDRO TEMP COLD WATER									
NO.	PSIG	OF NORMAL	PSIG	OF UPSET	DURATION	HYDRO	BY	CHK	REMARKS
5	120	160	150	180	2 hr	190	EBT		
14	120	160	150	180	2hr	150	otk		
2	120	160	150	180	2hr	190	otk		
1	30	160	30	180	2hr	40	EBT		

DESIGN DATA



- NOTES:
1. ALL NUCLEAR SAFETY CLASS PIPING TO BE LINE SPEC 152N.
 2. ALL NON-NUCLEAR SAFETY CLASS PIPING TO BE LINE SPEC 151X.
 3. ALL PIPING TO BE ANS SAFETY CLASS 2b EXCEPT AS NOTED.
 4. OPERATOR INITIATED INPUT TO THE TSC COMPUTER.
 5. FOR CHARGING PUMP COOLING AFTER LOSS OF CCW.
 6. SEE IMS-12-884-2 FOR PIPING ON CHARGING PUMP SKID.
 7. VALVE POSITION REFLECTS COOLING WATER DISCHARGE FLOW FROM C CHARGING/SI PUMP ALIGNED WITH B TRAIN.

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

RN 18-048
January 2019

FSAR Figure 9.2-7
 SOUTH CAROLINA ELECTRIC & GAS COMPANY
 VIRGIL C. SUMNER NUCLEAR STATION
 PIPING SYSTEM FLOW DIAGRAM
 COMPONENT COOLING SYSTEM TO NSSS PUMPS

NO.	DATE	BY	REVISION	CHKD. BY	APPROVAL
15	10/24/2018	JMR	REVISED PER ECR-71297	MGR	GK
14	10/2/2018	JTS	REVISED PER ECR-50239	RHM	DDJ
13	06/18/1998	DDJ	REVISED PER MRF-22594	MGR	CHR
12	05/03/1998	JMR	REVISED PER CGSS-99-0261	MGR	TOC
11	03/31/1998	SRM	REVISED PER MRF-22594	MGR	CHR
16	12/04/2008	CMS	REVISED PER ECR-72474	CWB	AL

ESSENTIAL

DESIGN ENGINEERING		
DATE	BY	CHKD.
15/10/2018	JMR	GK
14/10/2018	JTS	DDJ
13/06/1998	DDJ	CHR
12/05/1998	JMR	TOC
11/03/1998	SRM	CHR
16/12/2008	CMS	AL

D-302-614
 DRAWING NUMBER
 16
 SHEET NUMBER