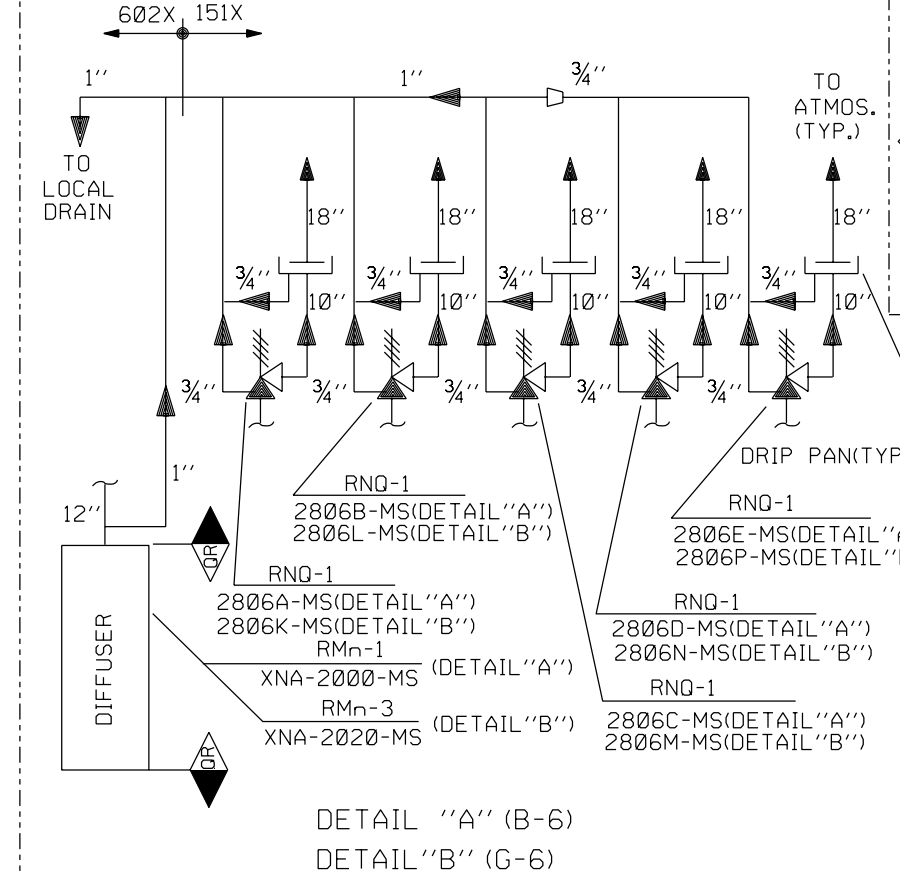
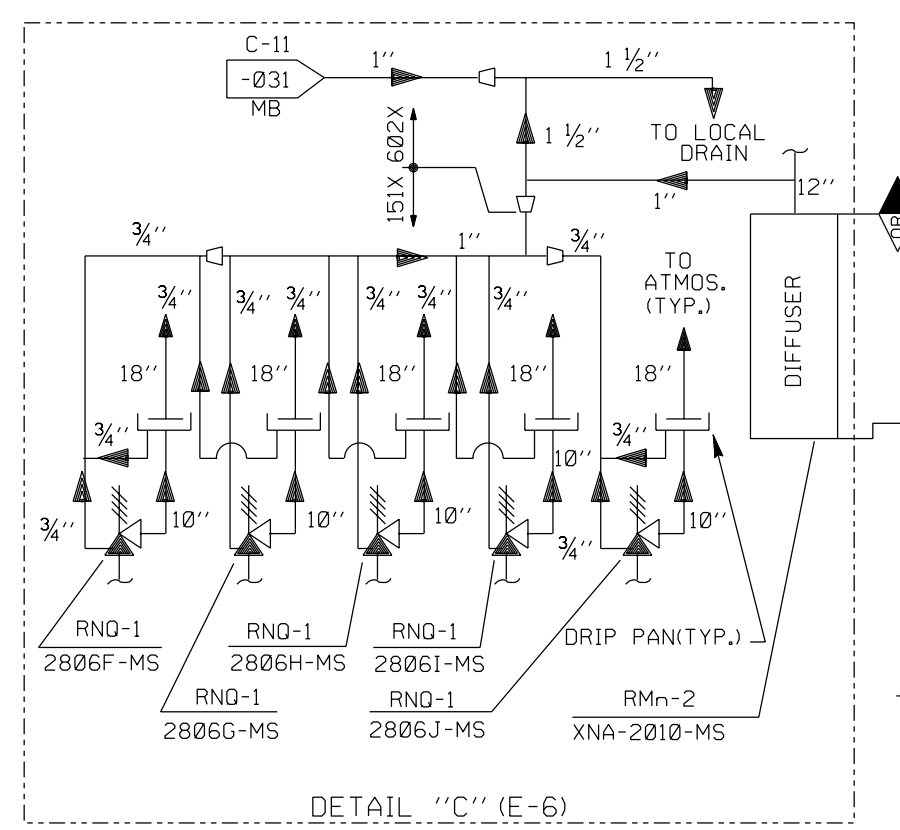


SYSTEM DATA				
NO.	PSIG	°F	REMARKS	
1	4.273	991	545	100% LOAD
1	MINIMUM	1092	557	NO LOAD
14	0.786	951	540	POWER FACTOR TO ATMOS
15	0.025	1092	557	WHEN IN OPERATION
16	0.93	1176	—	SEE NOTE-A
17	0.93	1190	—	SEE NOTE-A
18	0.93	1205	—	SEE NOTE-A
19	0.93	1220	—	SEE NOTE-A
20	0.93	1235	—	SEE NOTE-A

NOTE:
A. FLOW LISTED IS THE ASME RATED CAPACITY (90% ACTUAL AT 3% ACCUMULATION) IN LB. PER HOUR WHEN THE SAFETY VALVE IS FULL OPEN AT THE HIGHEST SET SAFETY VALVE SET PRESSURE (1235 PSIO). THE PRESSURES LISTED ARE THE INDIVIDUAL SAFETY VALVES SET PRESSURE.

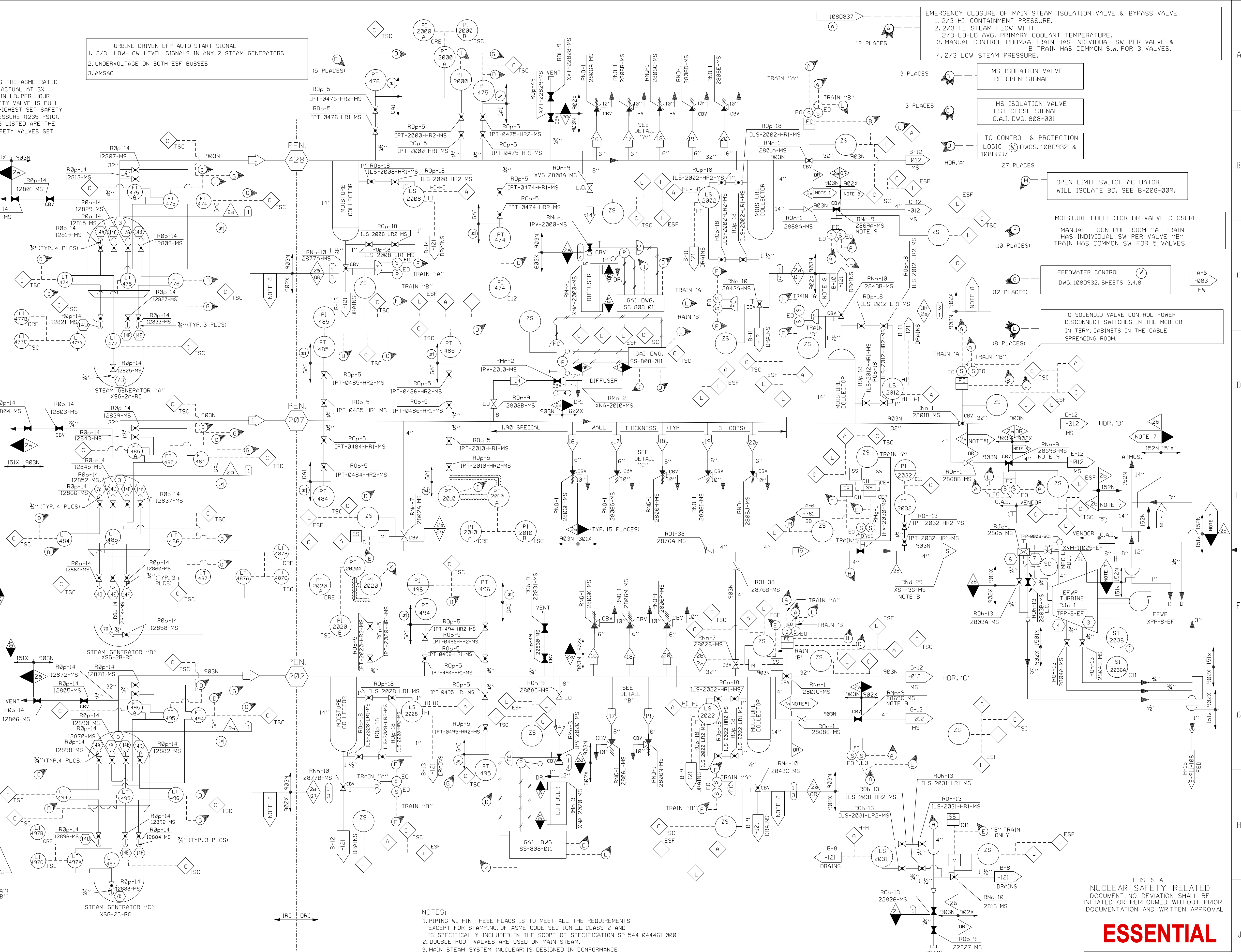
NOTE:
B. TEMPORARY STRAINER FOR SYSTEM CLEAN UP, TO BE REMOVED AFTER FINAL FLUSH.

TO BE USED NEXT



ALL PORTIONS OF THE MAIN STEAM PIPING WITH A WALL THICKNESS GREATER THAN 3/8" TO BE HYDROSTATICALLY TESTED WITH WATER AT A MINIMUM TEMPERATURE OF 120°F. THE REMAINING PORTIONS OF THE SYSTEM MAY BE TESTED WITH WATER AT A TEMPERATURE OF 60°F.

NO.	PSIG	°F	DURATION	HYDRO	REMARKS
4	0	AMB	145	365	<1% HNG
3	1185	600	1284	600	<1% 1780 HNG
2	0	AMB	1	215	<1% RJS
1	1185	600	1284	600	<1% 1480 HNG
PSIG	°F	PSIG	°F		
UPSET					
BY	CHKD	REMARKS			



REACTOR BUILDING

- NOTES:
1. PIPING WITHIN THESE FLAGS IS TO MEET ALL THE REQUIREMENTS EXCEPT FOR STAMPING, OF ASME CODE SECTION III CLASS 2 AND IS SPECIFICALLY INCLUDED IN THE SCOPE OF SPECIFICATION SP-544-044461-000
 2. DOUBLE ROOT VALVES ARE USED ON MAIN STEAM.
 3. MAIN STEAM SYSTEM (NUCLEAR) IS DESIGNED IN CONFORMANCE WITH ASME BOILER & PRESSURE VESSEL CODE SECTION III 1971 AND S-73 ADDENDA.
 4. ALL INSTRUMENTS WITH 400 TAG SERIES NUMBERS ARE SUPPLIED BY []
 5. ALL [] STATUS LIGHTS INDICATE BOTH OPEN & CLOSED POSITIONS UNLESS OTHERWISE NOTED.
 6. FOR HYDRAULIC CLEANING OPENINGS, SEE PHYSICAL PIPING DWG.
 7. THE EMERGENCY FEEDWATER PUMP DRIVE TURBINE EXHAUST SHALL BE DESIGNED FABRICATED & INSTALLED IN ACCORDANCE WITH ASME B & PV CODE SECTION III CLASS 3 RULES, HOWEVER, THIS PIPING DOES NOT REQUIRE HYDROSTATIC TESTING & CODE STAMPING. PIPING IS CLASSIFIED 2b. TECHNICAL REQUIREMENTS ARE DISCUSSED IN TRP-13.
 8. O. R. PER TRP-13, SECTION 8. PIPING CONTROLLED FOR BREAK ELIMINATION ANALYSIS.
 9. MANUAL CONTROL CIRCUITRY FOR 2801A/B/C INTERLOCKED WITH 2869A/B/C OPEN LIMIT SWITCH CONTACT TO ENSURE 2869A/B/C FULL OPEN PRIOR TO 2801A/B/C OPENING. TRAIN A ONLY

EMERGENCY CLOSURE OF MAIN STEAM ISOLATION VALVE & BYPASS VALVE
1. 2/3 HI CONTAINMENT PRESSURE.
2. 2/3 HI STEAM FLOW WITH
2/3 LO-LO AVG. PRIMARY COOLANT TEMPERATURE.
3. MANUAL-CONTROL ROOM/A TRAIN HAS INDIVIDUAL SW PER VALVE & B TRAIN HAS COMMON S.W. FOR 3 VALVES.
4. 2/3 LOW STEAM PRESSURE.

MS ISOLATION VALVE RE-OPEN SIGNAL
MS ISOLATION VALVE TEST CLOSE SIGNAL G.A.I. DWG. 808-001
TO CONTROL & PROTECTION LOGIC (M) DWGS. 1080932 & 1080837

OPEN LIMIT SWITCH ACTUATOR WILL ISOLATE BD. SEE 8-208-009.

MOISTURE CONTROL DR VALVE CLOSURE
MANUAL - CONTROL ROOM "A" TRAIN HAS INDIVIDUAL SW PER VALVE "B" TRAIN HAS COMMON SW FOR 5 VALVES

FEEDWATER CONTROL
DWG. 1080932. SHEETS 3,4,8

TO SOLENOID VALVE CONTROL POWER DISCONNECT SWITCHES IN THE MCB OR IN TERM. CABINETS IN THE CABLE SPREADING ROOM.

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

ESSENTIAL

FSAR FIGURE 10.3-1

SOUTH CAROLINA ELECTRIC & GAS COMPANY					
VIRGIL C. SUMNER NUCLEAR STATION					
PIPING SYSTEM FLOW DIAGRAM					
MAIN STEAM (NUCLEAR)					
DESIGN ENGINEERING					
V. C. SUMNER NUCLEAR STATION, JENKINSVILLE, S.C.					
MADE	CHECKED				
RHM	MGR				
JEW	JEW				
D-302-011					
NO.	DATE	BY	REVISION	CKD. BY	APPROVAL
39	04/05/00	JTS	REVISED PER ECR-70670	RHM	BDL
38	00/03/00	JMR	CADD ENHANCED PER ECR-50239	MGR	DDJ
37	07/03/00	DDJ	REVISED PER MRF-90102	MGR	FRB
42	10/21/00	CMS	REVISED PER ECR-72756	chk	GFK
41	10/08/00	CMS	REVISED PER ECR-72666	chk	GFK
40	06/07/00	JMR	REVISED PER ECR-50828	RHM	NIA
NO.	DATE	BY	REVISION	CKD. BY	APPROVAL
D-302-011		DRAWING NUMBER		REV	

