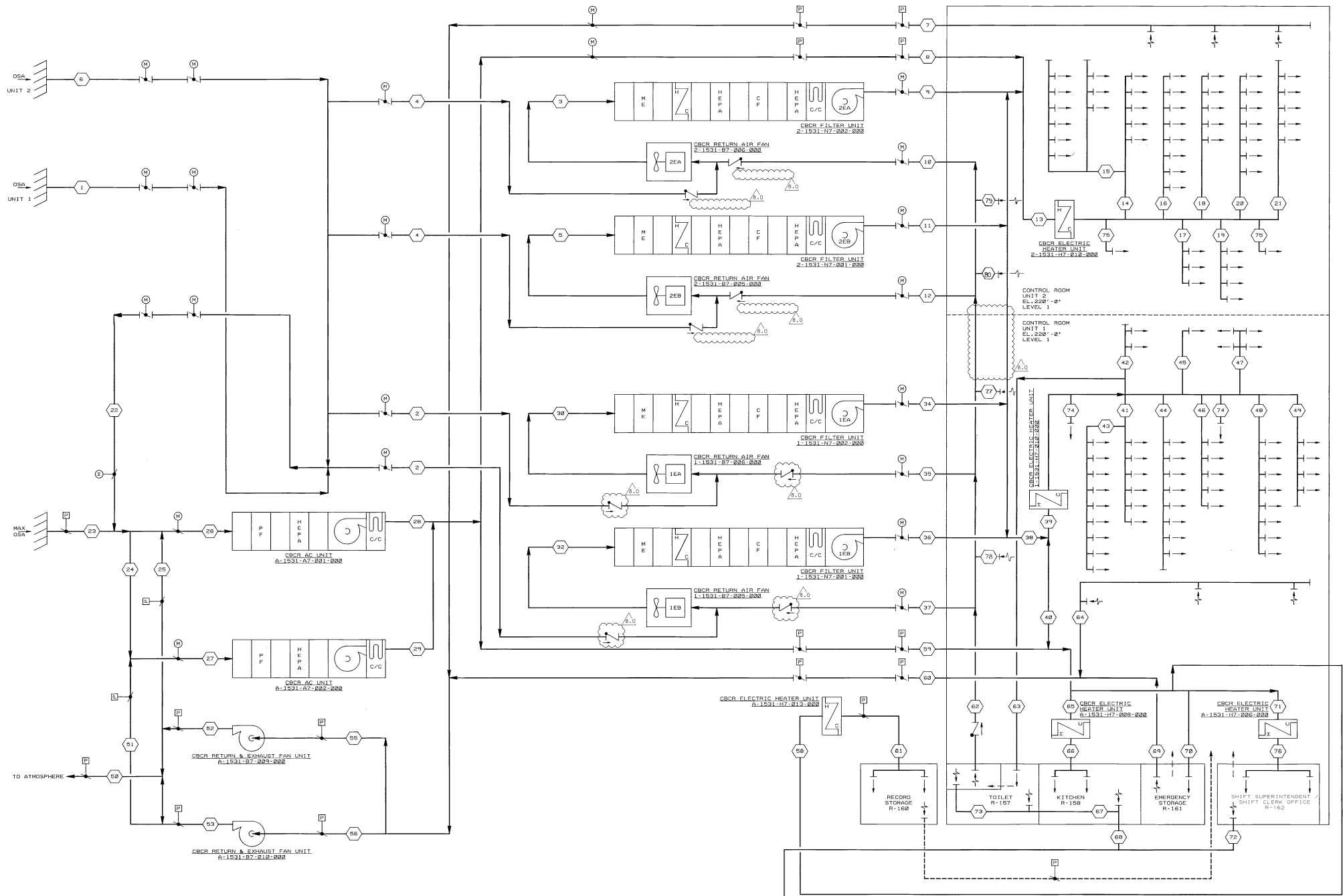




P & I DIAGRAM
ON-SITE TECHNICAL SUPPORT CENTER
CHILLED WATER SYSTEM
SYSTEM NO. 1564

"E" SIZE	1
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[illegible]



- NOTES:
1. SEE P & ID NO. AX4DB255-1, AX4DB256-2 AND AX4DB256-3.
 2. THE DATA SHOWN ON THIS FLOW DIAGRAM IS FOR INFORMATION PURPOSES ONLY, AND WHILE USEFUL, AS GUIDES IN OPERATION, DOES NOT REPRESENT EXACT OR GUARANTEED CONDITIONS.
 3. FLOW INFORMATION IS SHOWN ON AX4DB255-2.

SOUTHERN COMPANY SERVICES, INC.
 BIRMINGHAM, ALABAMA

GEORGIA POWER COMPANY
ALVIN W. VOGTLE NUCLEAR PLANT

FLOW DIAGRAM
CONTROL BUILDING
CONTROL ROOM HVAC SYSTEM LEVEL 1
SYSTEM NO. 1531

SCALE: NONE

DRAWING NO. AX4DB255-1

VER. 8.0

JOB NO. 10604

DATE 11-19-87

CHK APPV

SIZE E 34X44

DWG CATEGORY: CRITICAL

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REVISED PER	ABN-V00466, VER.1.0	11-19-87	BGT	MWD	WLN
NO.	VERSIONS	DATE	OR	CHK	APPV
8.0					

**Vogtle Electrical Generating Plant
Unit No. 1 / 2**

Document Number:

AX4DB255-3

Document Title:

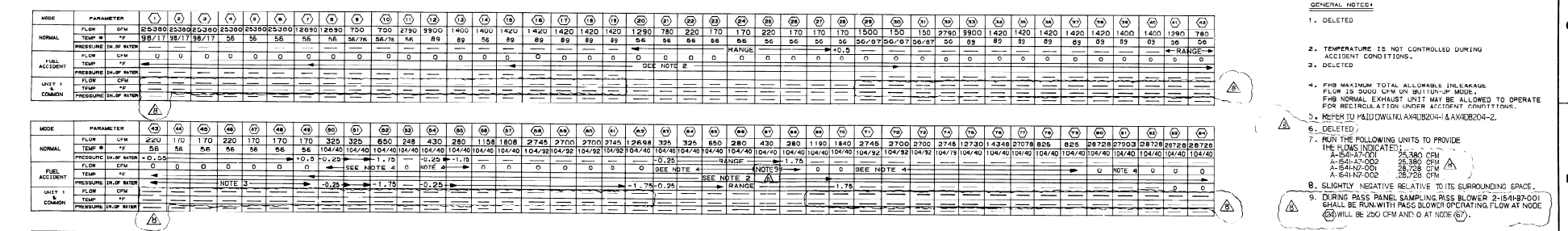
**AIR QUANTITY FOR AIR BALANCE CONTROL BLDG
CONTROL RM HVAC SYS LVL 1 PIPING AND
INSTRUMENTATION**


VOIDED

Voided Per ABN-V00466, VER.1.0

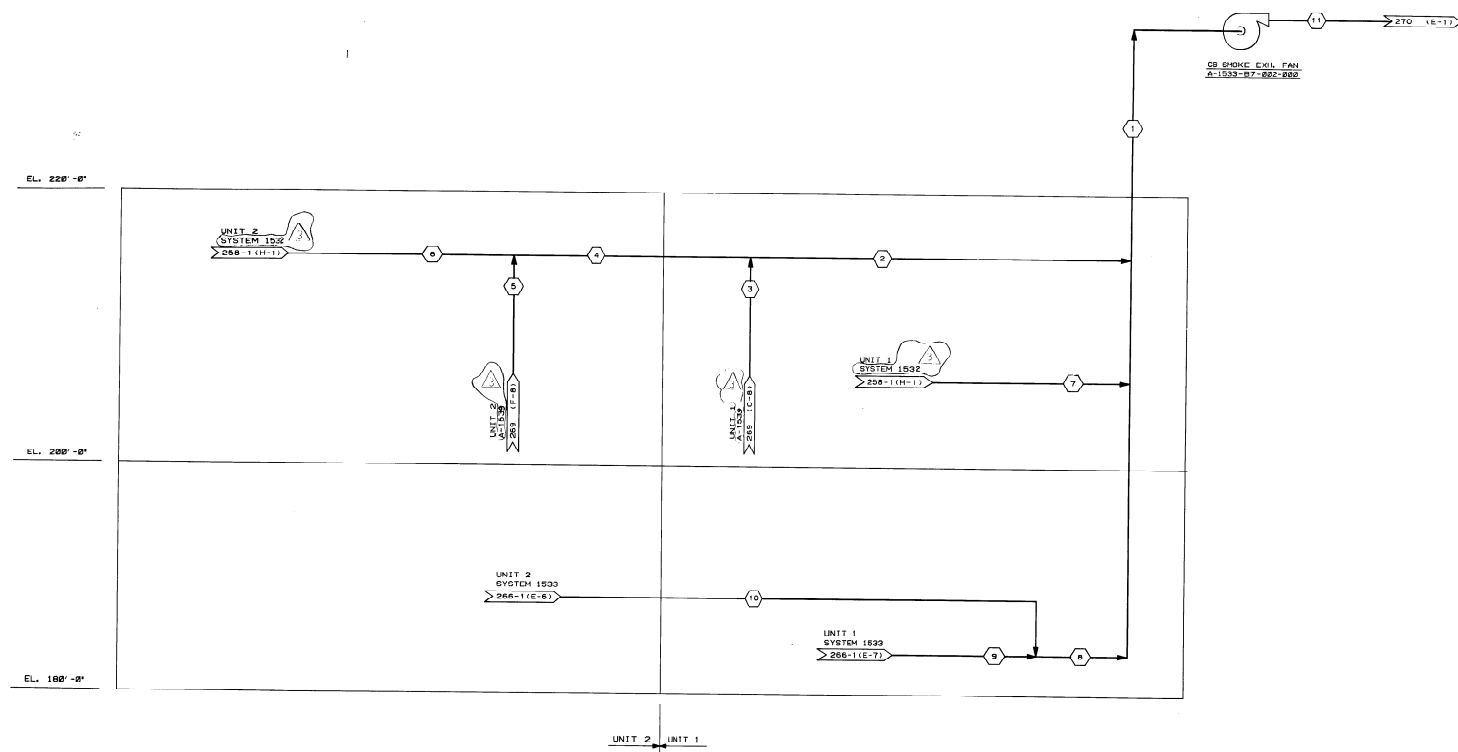
Ver. 6.0



[illegible]

		BECHTEL LOS ANGELES	
		GEORGIA POWER COMPANY ALVIN W. VOGTLE NUCLEAR PLANT	
FLOW DIAGRAM FUEL HANDLING BLDG. HVAC SYSTEM SYSTEM 1541 & 1542			
END. MOR.	SCALE: NONE	DRAWING NO.	REV.
DATE	JOB NO. 9510	AX40B260-1	8
30MM	1" SIZE		

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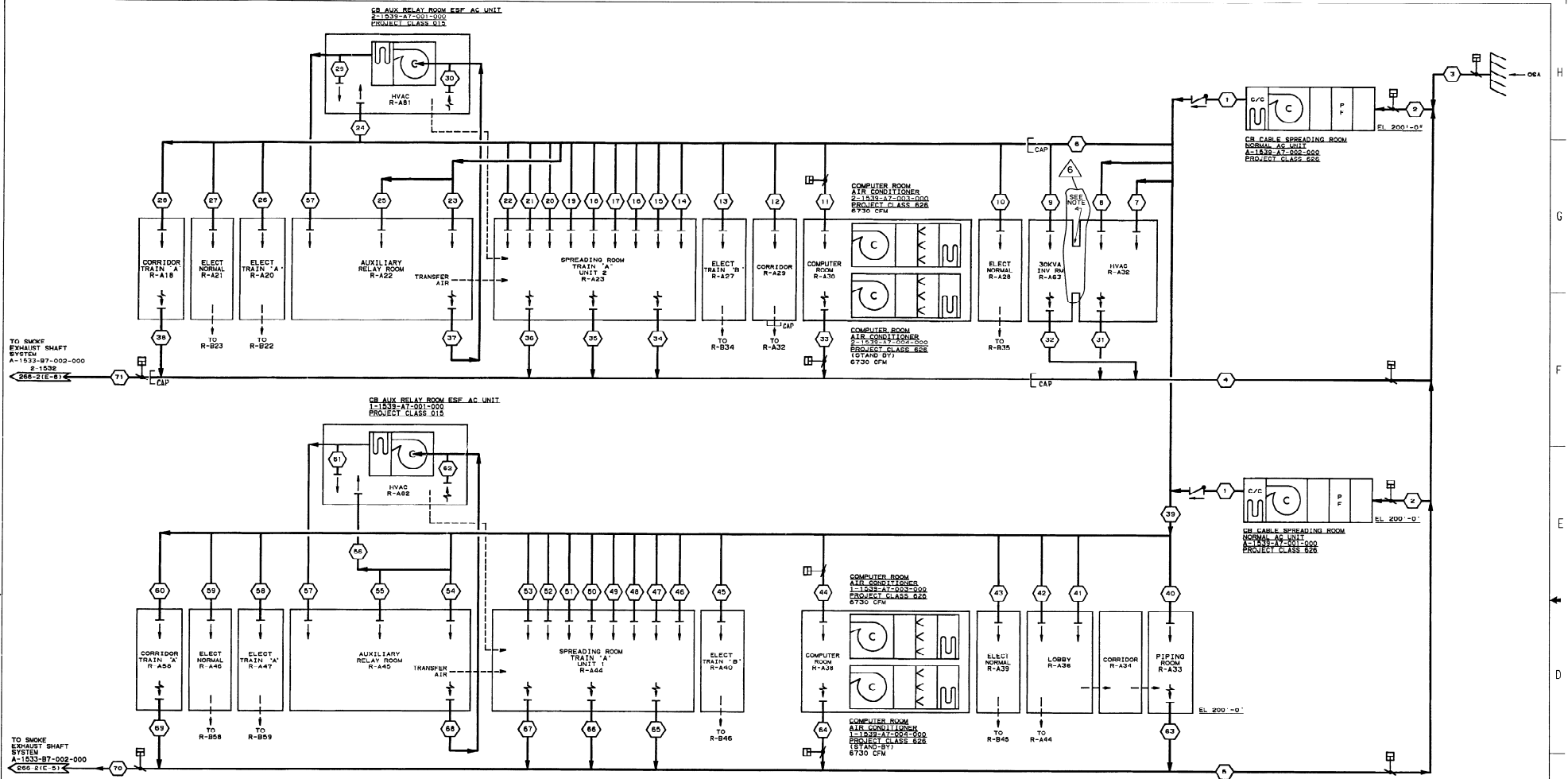
MODE	PARAMETER	1	2	3	4	5	6	7	8	9	10	11
SMOKE EXHAUST	FLOW CFM	20000	11000	5765	11000	5400	11000	9900	90000	20000	8250	20000
	TEMPERATURE OF	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3
	PRESSURE INCH OF WTR	3.5	3.25	3.25	3.0	3.0	2.75	3.0	3.25	3.25	3.25	1.5

- NOTES:
- SEE P & ID AX40B237, 1X40B207-1, 2X40B207-1 & AX40B225.
 - DELETED
 - TEMPERATURE DURING SMOKE REMOVAL OPERATION IS NOT CONTROLLED.
 - FLOW VALUES SHOWN FOR THE SMOKE EXHAUST SYSTEM ARE MINIMUM QUANTITIES. NO MAXIMUM VALUES ARE REQUIRED.

NO.	REVISIONS	DATE	DR.	CHK.	SUPV.	DES.	CHK.	P.E.	DATE	NO.	REVISIONS	DATE	DR.	CHK.	SUPV.	DES.	CHK.	P.E.	DATE	NO.	REVISIONS	DATE	DR.	CHK.	SUPV.	DES.	CHK.	P.E.	DATE	NO.
1											1										1									
2											2										2									
3											3										3									
4											4										4									
5											5										5									
6											6										6									
7											7										7									
8											8										8									

BECHTEL LOS ANGELES GEORGIA POWER COMPANY ALVIN W. VOGTLE NUCLEAR PLANT FLOW DIAGRAM CONTROL BUILDING SMOKE EXHAUST SYSTEM SYSTEM NO. 1533		SCALE: NONE	DRAWING NO.	REV.
		JOB NO. 9510	AX40B266-2	3

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- NOTES
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 2. THE DATA SHOWN ON THIS FLOW DIAGRAM IS FOR INFORMATION PURPOSES ONLY, AND WHILE USEFUL AS GUIDES IN OPERATION, DOES NOT REPRESENT EXACT OR GUARANTEED CONDITIONS.
 3. THE AIRFLOW SHOWN ARE FOR UNIT 1 AND UNIT 2 COMBINED OPERATION AIR FLOWS FOR UNIT OPERATION ONLY ARE INDICATED ON DRAWING NO. AX40B225.
 4. ROOM VENTILATION REMOVED BETWEEN ROOMS A63 AND A32 TO EQUALIZE THE COOLING LOAD.

MODE	PARAMETER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
SUMMER	FLOW	CFM	12645	12645	1420	5460	4395	6320	445	445	300	100	300	470	100	350	300	400	350	300	400	200	400	215	75	210	100	100	600	200	200	1160	300	200	1120	1115	
	TEMP	°F	57	76	98	73	73	58	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	
	PRESSURE	INCH OF WTR																																			
WINTER	FLOW	CFM	12045	12045	1400	5460	5105	5320	445	445	300	100	300	470	100	350	300	400	350	300	400	200	400	215	75	210	100	100	600	200	200	1160	300	200	1120	1115	
	TEMP	°F	67	68	77	73	73	58	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	
	PRESSURE	INCH OF WTR																																			

MODE	PARAMETER		36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
SUMMER	FLOW	CFM	1115	1200	180	6430	585	500	500	100	200	100	520	175	400	50	175	400	265	400	230	230	100	1200	100	100	600	200	300	1415	200	1250	1150	1150	1200	600	0
	TEMP	°F	64	75	83	58	55	55	55	55	54	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	
	PRESSURE	INCH OF WTR																																			
WINTER	FLOW	CFM	1115	1200	450	6435	825	500	500	100	200	100	520	175	400	50	175	400	260	400	230	230	100	1200	100	100	600	200	300	1415	200	1250	1150	1150	1200	600	0
	TEMP	°F	64	75	83	58	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	
	PRESSURE	INCH OF WTR																																			

MODE	PARAMETER	3	70	71
SMOKE EXHAUST	FLOW	CFM	11045	5185 / 5460
	PRESSURE	INCH OF WTR		
	TEMP	°F	1400	
NORMAL	FLOW	CFM		
	PRESSURE	INCH OF WTR	0	0

MODE	PARAMETER		36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
SUMMER	FLOW	CFM	1115	1200	480	6435	625	500	500	100	200	100	520	175	400	520	175	400	260	400	230	230	100	1200	100	100	600	200	200	1415	200	1200	1150	1150	1200	600	0	0
	TEMP	°F	64	75	83	58	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	
	PRESSURE	INCH OF WTR																																				
WINTER	FLOW	CFM	1115	1200	480	6435	625	500	500	100	200	100	520	175	400	520	175	400	260	400	230	230	100	1200	100	100	600	200	200	1415	200	1250	1150	1150	1200	600	0	0
	TEMP	°F	64	75	83	58	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	
	PRESSURE	INCH OF WTR																							62	59	59	59	59	64	106	75	64	64	64	75	83	---

SOUTHERN COMPANY SERVICES, INC.
BIRMINGHAM, ALABAMA

GEORGIA POWER COMPANY
ALVIN W. VOIGTE NUCLEAR PLANT

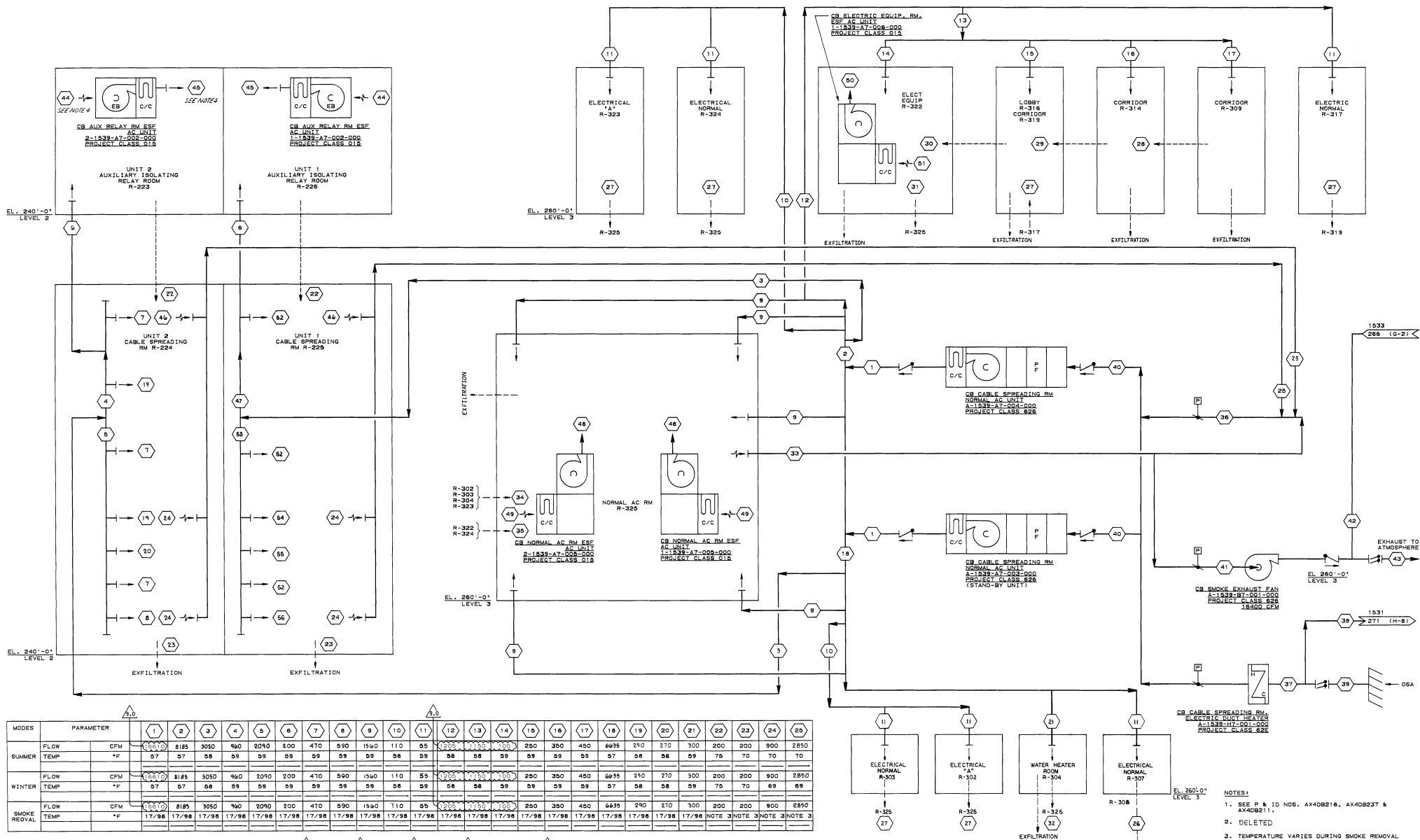
FLOW DIAGRAM
BUILDING NORMAL
HVAC SYSTEM LEVEL A
SYSTEM NO. 1539

SCALE: NONE

JOB NO. 10604

AX40B269

REV. 6



Modes	Parameter	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
SUMMER	FLOW	CFM	8185	3030	960	2090	800	470	590	1560	110	55	58	58	58	58	58	58	58	58	58	58	58	58	58	58
	TEMP	*F	57	57	58	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
WINTER	FLOW	CFM	8185	3030	960	2090	800	470	590	1560	110	55	58	58	58	58	58	58	58	58	58	58	58	58	58	58
	TEMP	*F	57	57	58	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
SMOKE RECOAL	FLOW	CFM	8185	3030	960	2090	800	470	590	1560	110	55	58	58	58	58	58	58	58	58	58	58	58	58	58	58
	TEMP	*F	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98	17/98

MODES		PARAMETER		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0		A1.0	
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SOUTHERN COMPANY SERVICES, INC.
BIRMINGHAM, ALABAMA

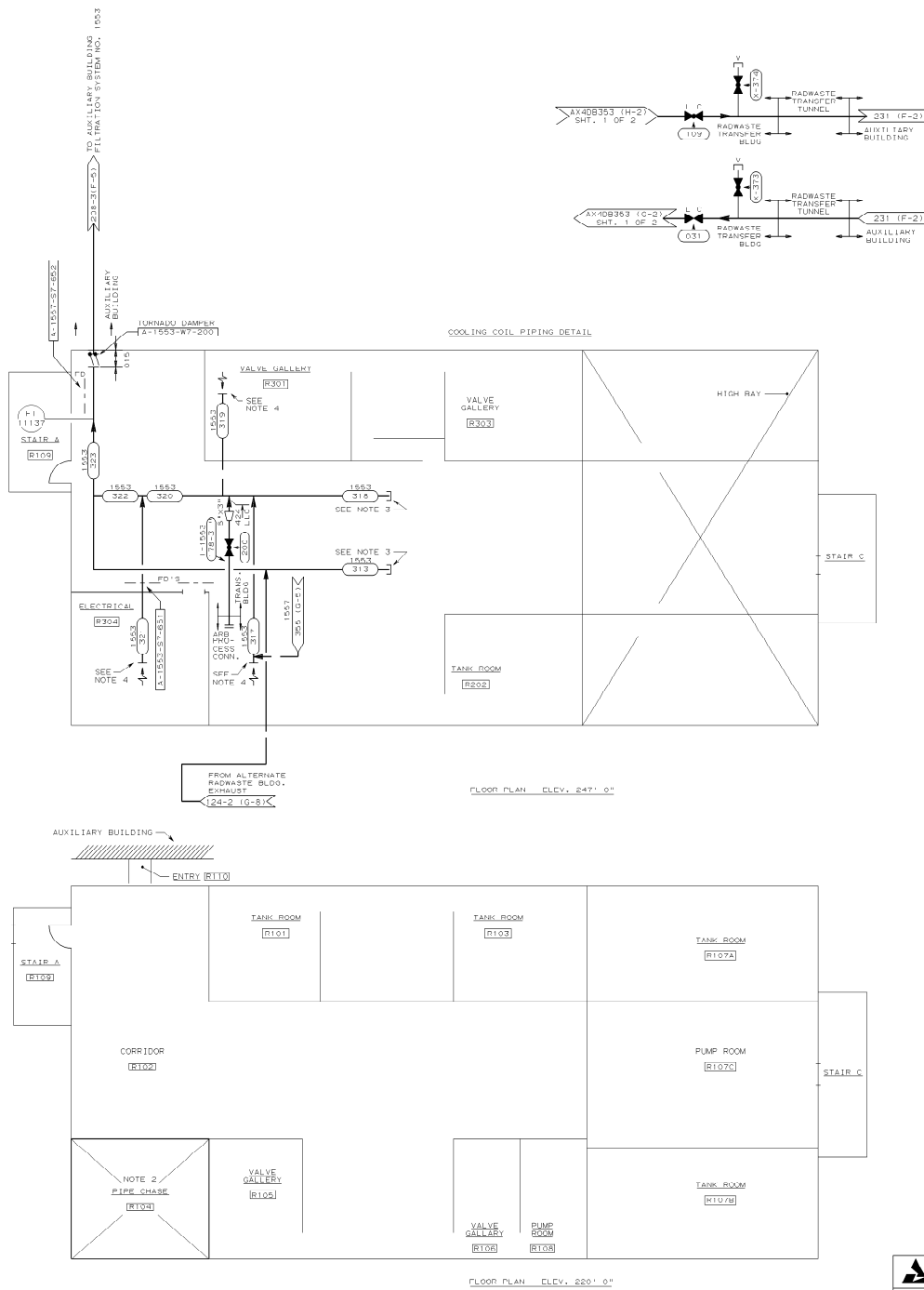
GEORGIA POWER COMPANY
ALVIN W. VOGTE NUCLEAR PLANT


FLOW DIAGRAM
CONTROL BLDG CABLE SPREADING ROOM
LEVEL 2 & 3 HVAC
SYSTEM NO. 1539

SCALE: NONE	DRAWING NO. AX4DB270	VER. 9.0
JOB NO. 10604	AX4DB270	9.0

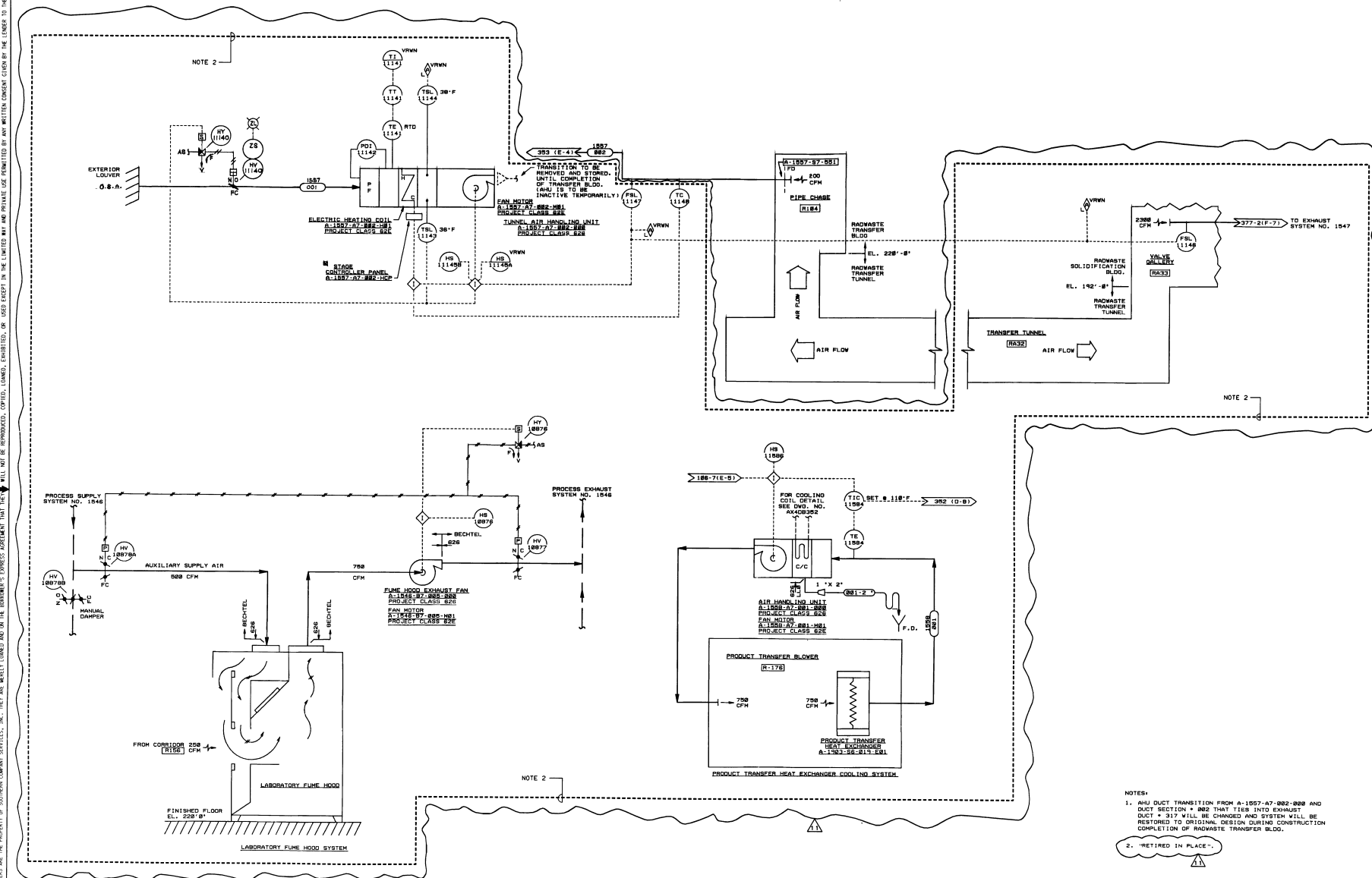
THIS DOCUMENT CONTAINS PROPRIETARY, CONFIDENTIAL, AND/OR TRADE SECRET INFORMATION OF THE SUBSIDIARIES OF THE SOUTHERN COMPANY OR OF THIRD PARTIES. IT IS INTENDED FOR USE ONLY BY EMPLOYEES OF, OR AUTHORIZED CONTRACTORS OF, THE SUBSIDIARIES OF THE SOUTHERN COMPANY. UNAUTHORIZED POSSESSION, USE, DISTRIBUTION, COPYING, DISSEMINATION, OR DISCLOSURE OF ANY PORTION HEREOF IS PROHIBITED.

REVISIONS	DATE	BY	CHK	APPV
9.0	REVISED PER 1070198010002, VER. 1.0	3-27-98	WBS	RHB/JMR



 SOUTHERN COMPANY SERVICES, INC. BIRMINGHAM, ALABAMA		
GEORGIA POWER COMPANY ALVIN W. VOGTLE NUCLEAR PLANT P & I DIAGRAM RADWASTE TRANSFER BUILDING HVAC SYSTEM SYSTEM NO. 15A7 & 15A3 SHEET 2 OF 2		
SCALE: NONE	DRAWING NO.	REV.
JOB NO. 10604	AX4DB353	17

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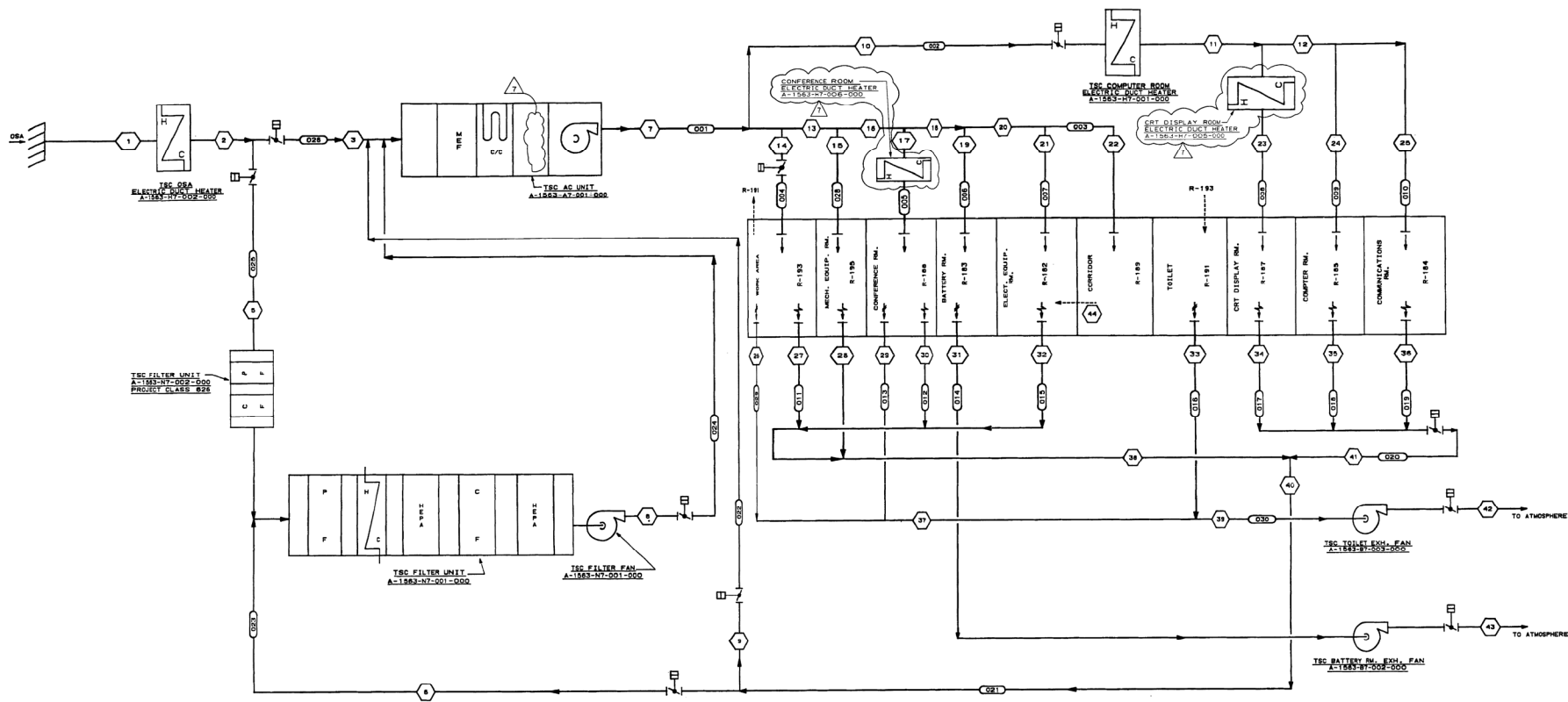
- NOTES:
1. AIR DUCT TRANSITION FROM A-1557-77-882-888 AND DUCT SECTION # 317 TIES INTO EXHAUST DUCT # 317 WILL BE CHANGED AND SYSTEM WILL BE RESTORED TO ORIGINAL DESIGN DURING CONSTRUCTION COMPLETION OF RADWASTE TRANSFER BLDG.
 2. RETIRED IN PLACE.



SOUTHERN COMPANY SERVICES, INC. BIRMINGHAM, ALABAMA	
GEORGIA POWER COMPANY ALVIN W. VOGTLE NUCLEAR PLANT	
P & I DIAGRAM RADWASTE TRANSFER TUNNEL H & V AND LABORATORY FUME HOOD SYSTEMS SYSTEM NO. 1557 & 1546	
SCALE: NONE	DRAWING NO. AX40B395
JOB NO. 10604	REV. 11

NO.	REVISIONS	DATE	DR	CHK	SVN	EDS	CHK	PE	DWG.	DATE
1	REVISED PER REA 94-VA043	10/17/78	PLN	78	20					
2	ISSUED FOR CONSTRUCTION	10/17/78	PLN	78	20					
3	REVISED PER REA 94-VA043	10/17/78	PLN	78	20					
4	ISSUED FOR CONSTRUCTION	10/17/78	PLN	78	20					
5	REVISED PER REA 94-VA043	10/17/78	PLN	78	20					
6	ISSUED FOR CONSTRUCTION	10/17/78	PLN	78	20					
7	REVISED PER REA 94-VA043	10/17/78	PLN	78	20					
8	ISSUED FOR CONSTRUCTION	10/17/78	PLN	78	20					

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MODE (NORMAL)	PARAMETER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
SUMMER	FLOW CFM	1250	1250	1250																																								
	TEMPERATURE °F	88	88	88																																								
	PRESSURE IN. OF W.G.																																											
WINTER	FLOW CFM	1250	1250	1250																																								
	TEMPERATURE °F	88	88	88																																								
	PRESSURE IN. OF W.G.																																											

MODE (EMERGENCY)	PARAMETER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
SUMMER	FLOW CFM	600	600	600																																								
	TEMPERATURE °F	88	88	88																																								
	PRESSURE IN. OF W.G.																																											
WINTER	FLOW CFM	600	600	600																																								
	TEMPERATURE °F	88	88	88																																								
	PRESSURE IN. OF W.G.																																											

MODE	PARAMETER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
ISOLATION	FLOW CFM	300	300	300																																								
	TEMPERATURE °F	88	88	88																																								
	PRESSURE IN. OF W.G.																																											

NOTES:
1. SEE P & ID NUMBER AX408235
2. THE DATA SHOWN ON THIS FLOW DIAGRAM ARE FOR INFORMATION ONLY AND WHILE OPERATING AS SHOWN IN OPERATION. DO NOT REPRESENT EXACT OR GUARANTEED OPERATING CONDITIONS.
3. THE COMMUNICATION ROOM, CRT DISPLAY ROOM, CONFERENCE ROOM AND BATTERY AREA SHALL BE BALANCED TO MAINTAIN A POSITIVE PRESSURE ABOVE ATMOSPHERIC. THE REST OF THE AREAS WITHIN THE TSC BOUNDARY SHALL BE SLIGHTLY POSITIVE.



SOUTHERN COMPANY SERVICES, INC.

GEORGIA POWER COMPANY

ALVIN W. VOGTLE NUCLEAR PLANT

ON-SITE TECHNICAL SUPPORT CENTER

HVAC SYSTEM 1563

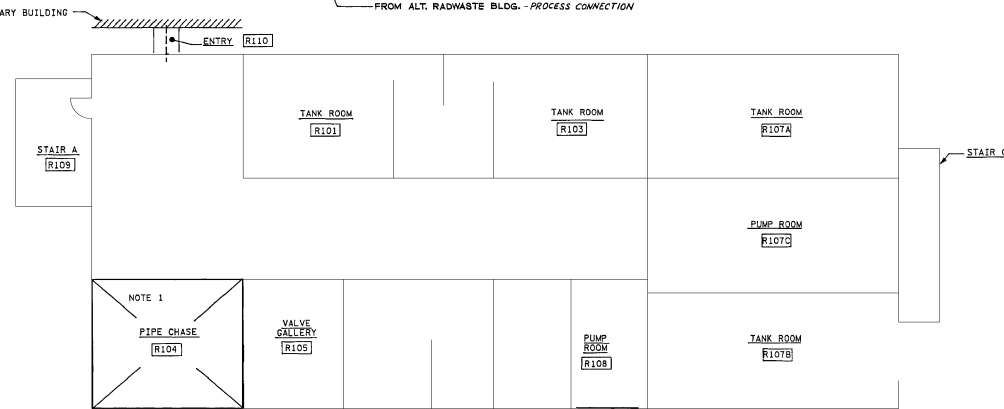
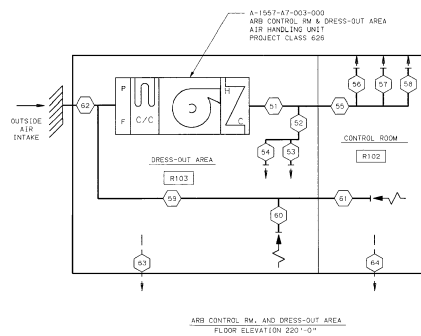
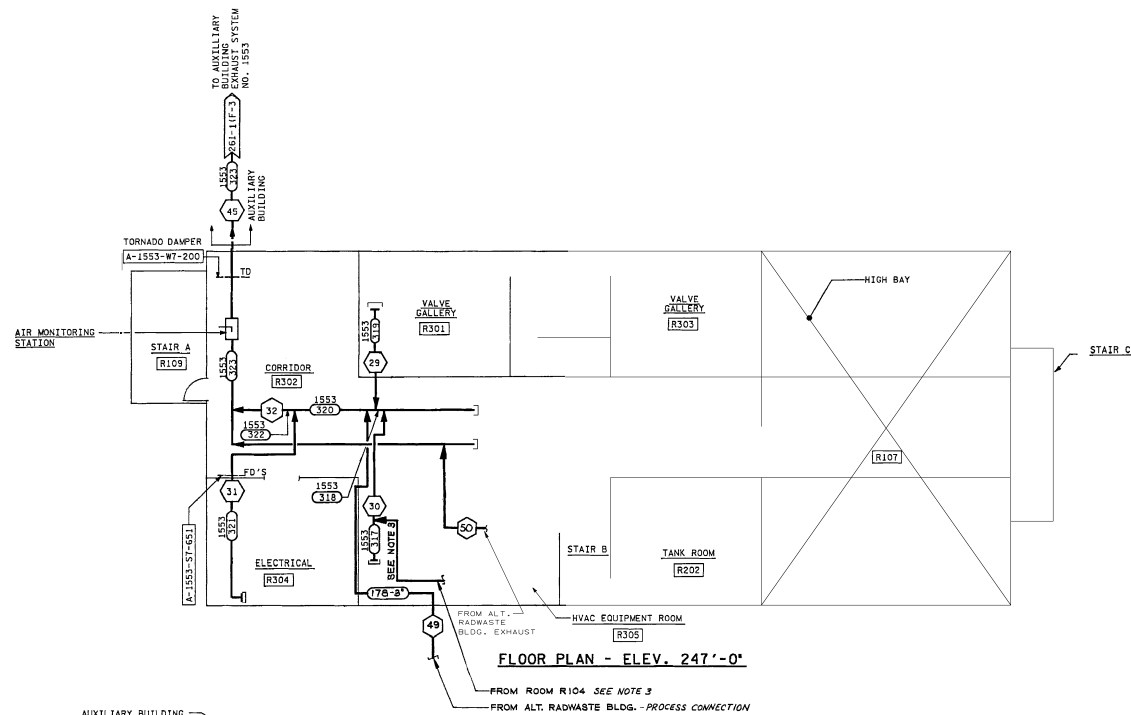
SCALE: NONE

DRAWING NO. AX408376

REV. 1

NO.	REVISIONS	DATE	BY	CHKD	APP'D	ENG. MGR.
1	INCORP. AIN-18366	10/1/80	CD	APP'D	APP'D	
2	ISSUED FOR CONSTRUCTION	10/1/80	CD	APP'D	APP'D	
3	ISSUED FOR CONSTRUCTION	10/1/80	CD	APP'D	APP'D	
4	ISSUED FOR CONSTRUCTION	10/1/80	CD	APP'D	APP'D	
5	ISSUED FOR CONSTRUCTION	10/1/80	CD	APP'D	APP'D	
6	ISSUED FOR CONSTRUCTION	10/1/80	CD	APP'D	APP'D	
7	ISSUED FOR CONSTRUCTION	10/1/80	CD	APP'D	APP'D	
8	ISSUED FOR CONSTRUCTION	10/1/80	CD	APP'D	APP'D	

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MODES	PARAMETER	51	52	53	54	55	56	57	58	59	60	61	62	63	64
NORMAL	FLOW	CFM	1800	720	360	360	1080	360	360	1300	440	850	500	275	225
	TEMP		"F (HIGH)												
			"F (LOW)												

SOUTHERN COMPANY SERVICES, INC.
BIRMINGHAM, ALABAMA

GEORGIA POWER COMPANY
ALVIN W. VOGLE NUCLEAR PLANT

FLOW DIAGRAM
RADWASTE TRANSFER BLDG. HVAC SYSTEM
SYSTEM NO. 1557 & 1553
SHEET 2 OF 2

SCALE: NONE

DRAWING NO. AX4DB378

REV. 5

JOB NO. 10604

DATE

ENG. NO.

SIZE E 34x44

