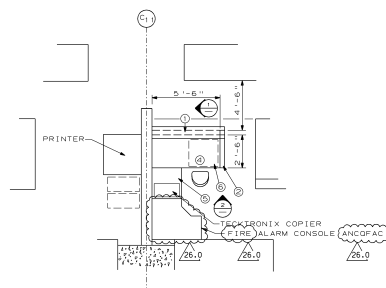




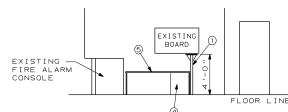




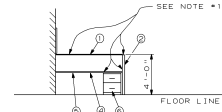
- ① 5'-6" LONG x 48" HIGH PARTITION WITH 15" WIDE x 5'-6" LONG COUNTER
- ② 2'-0" LONG x 48" HIGH PARTITION
- ④ 2'-6" WIDE x 5'-6" LONG PANEL - MOUNTED WORK SURFACE
- ⑤ 2'-6" WIDE x 3'-0" LONG FREE STANDING DESK
- ⑥ 2'-0" WIDE x 18" DEEP x 27 3/4" HIGH LATERAL FILE



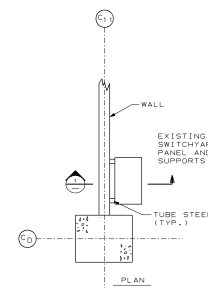
DETAIL A



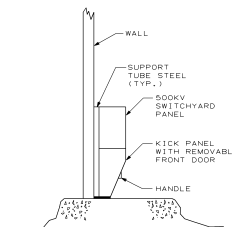
ELEVATION 1



ELEVATION 2

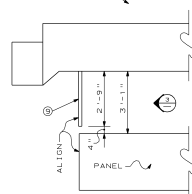


DETAIL B

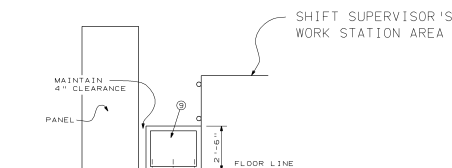


SECTION 1

SHIFT SUPERVISOR'S  
WORK STATION AREA



DETAIL C



ELEVATION 3

- ⑦ REMOVE EXISTING AND REPLACE WITH 1 2'-0" WIDE x 2'-6" HIGH x 2" DEEP DEMOUNTABLE PARTITION BOLTED DIRECTLY TO CONC. FLOOR w/3 3/8" B CONC. EXP. ANCHORS.

**SOUTHERN COMPANY SERVICES, INC.**  
BIRMINGHAM, ALABAMA

**GEORGIA POWER COMPANY**  
ALVIN W. VOGTLE NUCLEAR PLANT

CONTROL BUILDING  
FLOOR PLAN EL. 220'-0"  
LEVEL 1 SHEET 2 OF 2

THIS DRAWING WAS RENUMBERED  
FROM AX1D11A04 (SHEET 2)  
WORK THIS DRAWING WITH  
AX1D11A04-4

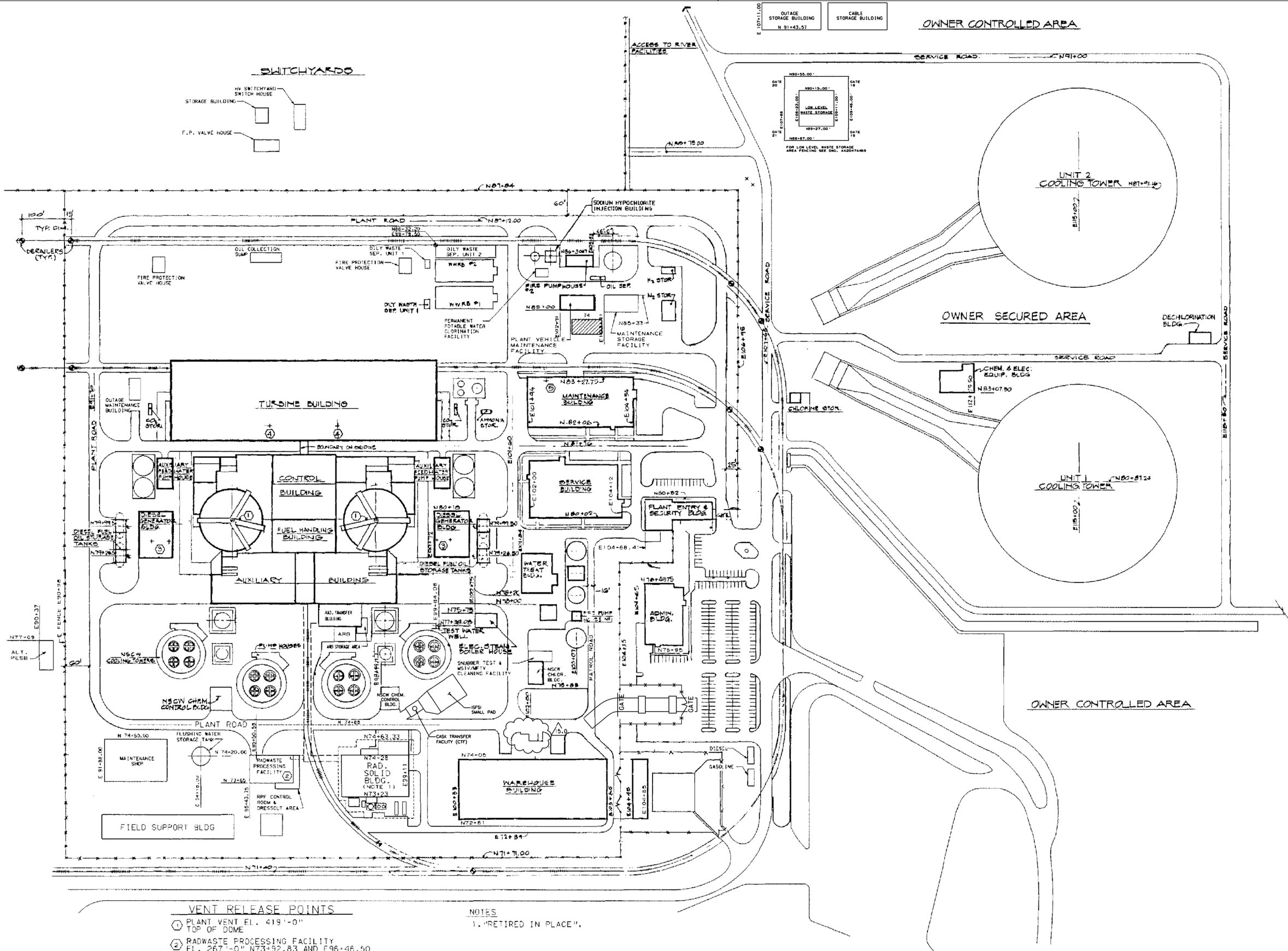
THIS DOCUMENT CONTAINS PROPRIETARY, CONFIDENTIAL, AND/OR TRADE SECRET INFORMATION OF THE SUBSIDIARIES OF THE SOUTHERN COMPANY OR OF THIRD PARTIES. IT IS INTENDED FOR USE ONLY BY EMPLOYEES OF, OR AUTHORIZED CONTRACTORS OF, THE SUBSIDIARIES OF THE SOUTHERN COMPANY. UNAUTHORIZED POSSESSION, USE, DISTRIBUTION,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

NO.	VERSIONS	DATE	CHK	APPV	SIZE	E	34x44
26.0	REVISED PER ABN C052267801E050, VER. 1.0	2-20-97	JLO	ELC	JMR		

SCALE	DRAWING NO.	VER.
NONE	AX1D11A04-5	26.0

JOB NO. 10604

H  
G  
F  
E  
D  
C  
B  
A



- VENT RELEASE POINTS**
- ① PLANT VENT EL. 419'-0" TOP OF DOME
  - ② RADWASTE PROCESSING FACILITY EL. 267'-0" N73+92.83 AND E96+46.50
  - ③ DIESEL GENERATOR EXHAUST EL. 283'-6"
  - ④ TURBINE BUILDING - SEE SCS
  - ⑤ AUXILIARY BOILER - SEE SCS

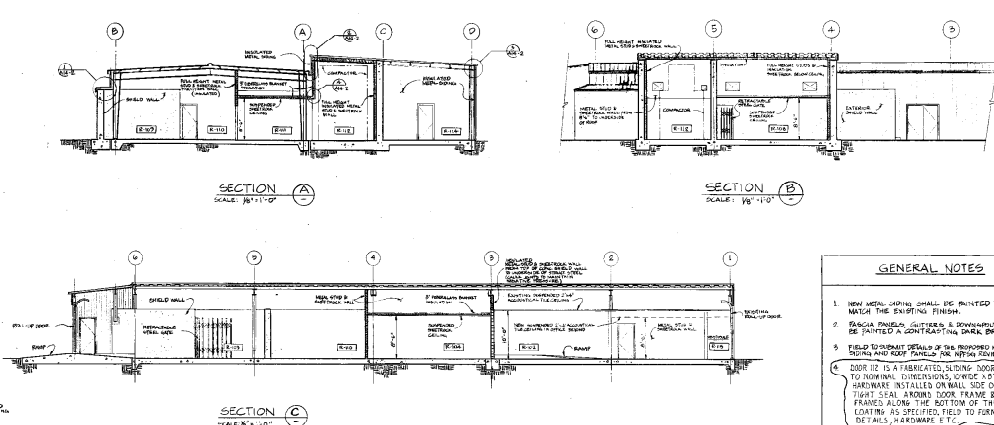
**NOTES**  
1. "RETIRED IN PLACE".

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.

15.0		REVISED PER AEN C100867901C016, VER. 2.0	3/22/14	LEH	MWD	WLN	SCALE: NONE	DRAWING NO.	VER.
NO.		VERSIONS	DATE	DR	CHK	APPV	JOB NO. 10604	AX1D45A01	15.0
3							SIZE E 34x44	1	
4									
5									
6									
7									
8									

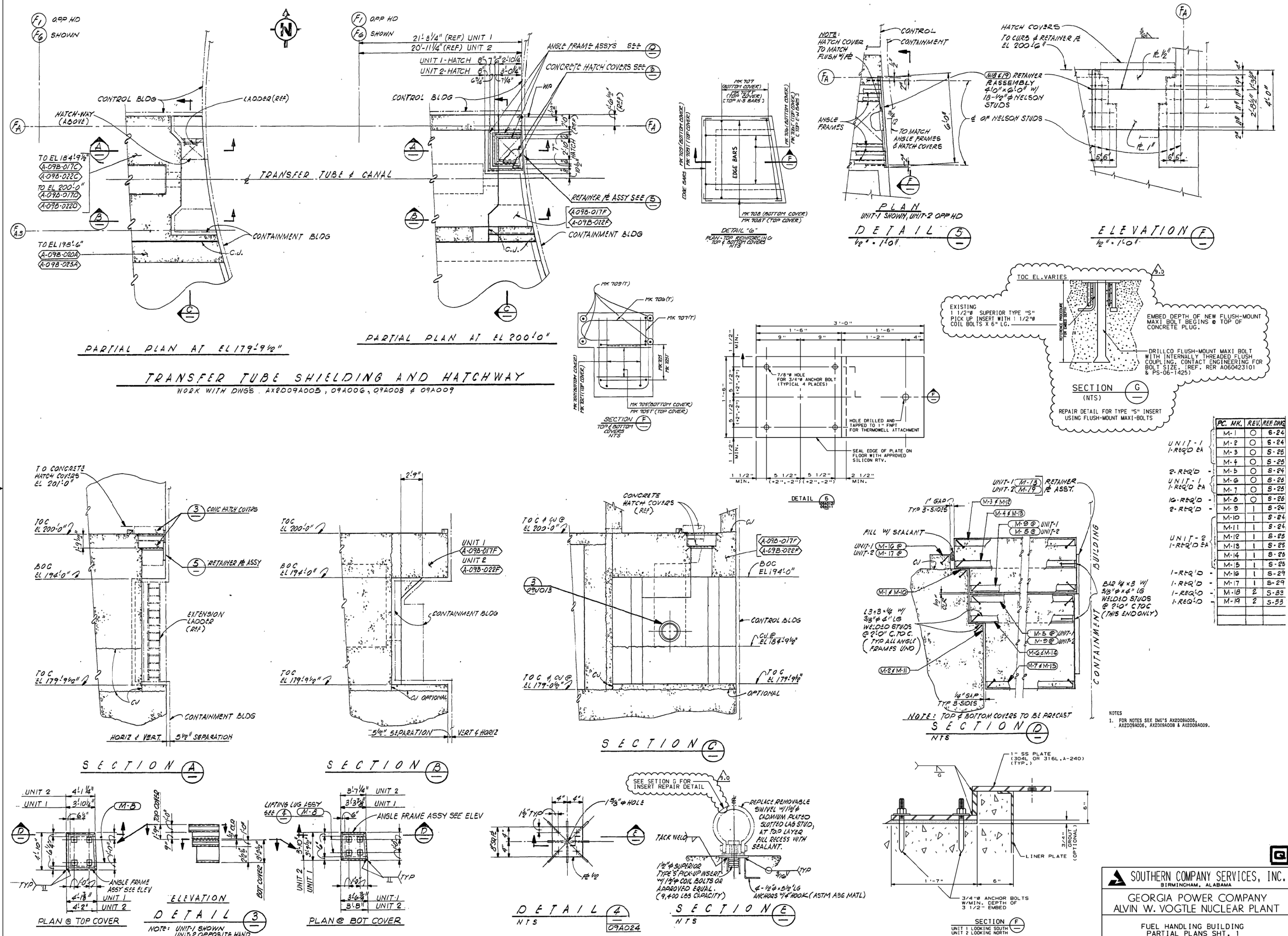
**SOUTHERN COMPANY SERVICES, INC.**  
BIRMINGHAM, ALABAMA  
**GEORGIA POWER COMPANY**  
**ALVIN W. VOGTLE NUCLEAR PLANT**

**SITE PLOT PLAN**

[illegible]

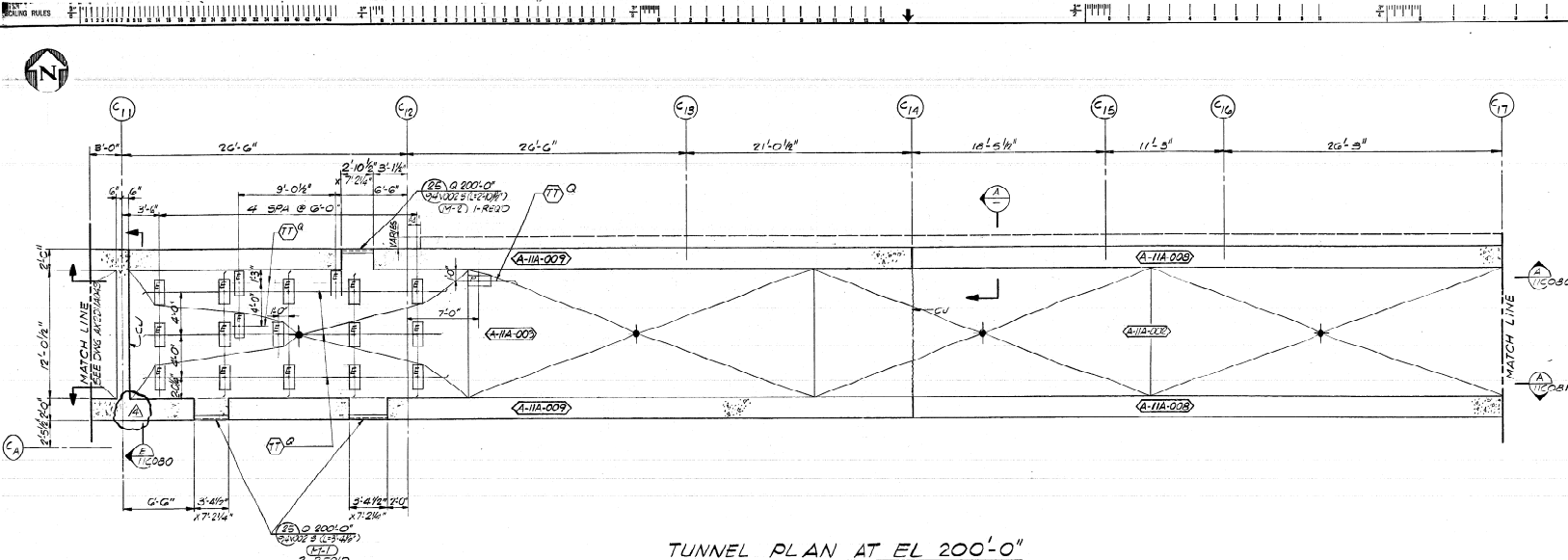
## GENERAL NOTES

1. NEW WELD JOINTS SHALL BE PAINTED TO MATCH THE EXISTING FINISH.
2. PLASMA CUTTING CUTTERS OR SOLWELDERS SHALL BE PAINTED A CONTRASTING DARK BROWN COLOR.
3. FIELD TO SUBMIT DETAILS OF THE PROPOSED MATERIAL, SIZE, DIMING AND COAT PAINTS FOR NYPM REVIEW & APPROVAL.
4. DOOR HIE IS A FABRICATED, SLIDING, DOOR, FIELD FITTED TO NOMINAL DIMENSIONS, 6'0" X 8'0" HIGH, MOUNTING HARDWARE INSTALLED ON WALL SIZE OF R-10. AIR TIGHT SEAL AROUND DOOR FRAME & NEOPRENE STRIP FRAMES ALONG THE BOTTOM OF THE DOOR. DOOR LATCHING AS SPECIFIED, FIELD TO FURNISH MOUNTING DETAILS, HARDWARE ETC.

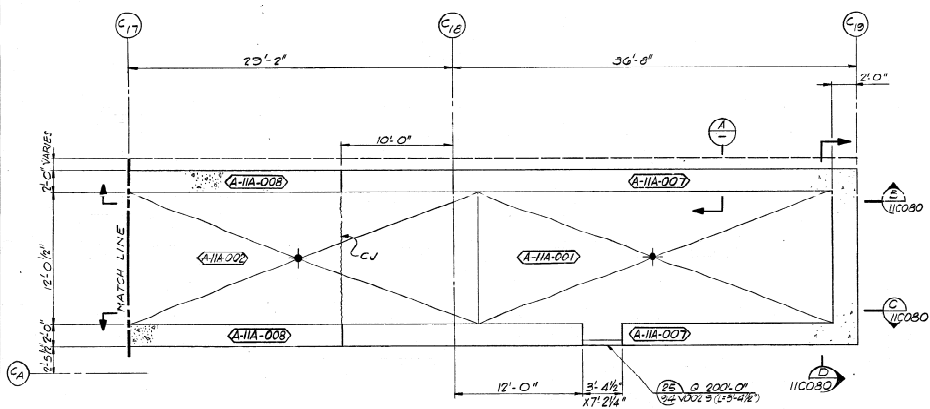


AX2D11A048

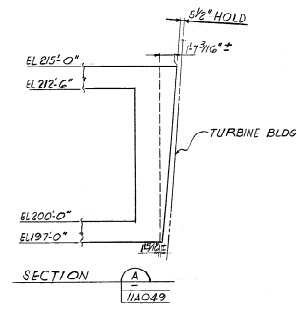
This drawing and the design it covers are the property of BECHTEL. They are loaned to you and on the borrower's express agreement that they will not be reproduced, copied, loaned, utilized or used except in the limited way and within the limits set forth in the license to this drawing.



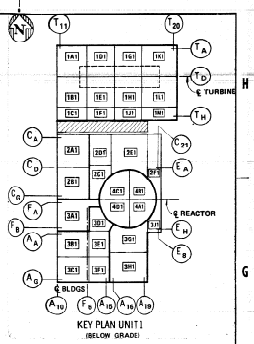
TUNNEL PLAN AT EL 200'-0"



TUNNEL PLAN AT EL 200'-0"



- NOTES
- FOR NOTES SEE ENG. AND DRAWING.
  - HEIGHT POINT OF FINISH FLOOR IS EL. 200'-0".  
SLOPE BEHIND IS SHOWN (TOP OF WALL).  
EL. 197'-0" UNLESS NOTED OTHERWISE.
  - TOP ELEVATION OF FINISH FLOOR SHALL BE AT EL. 200'-0".



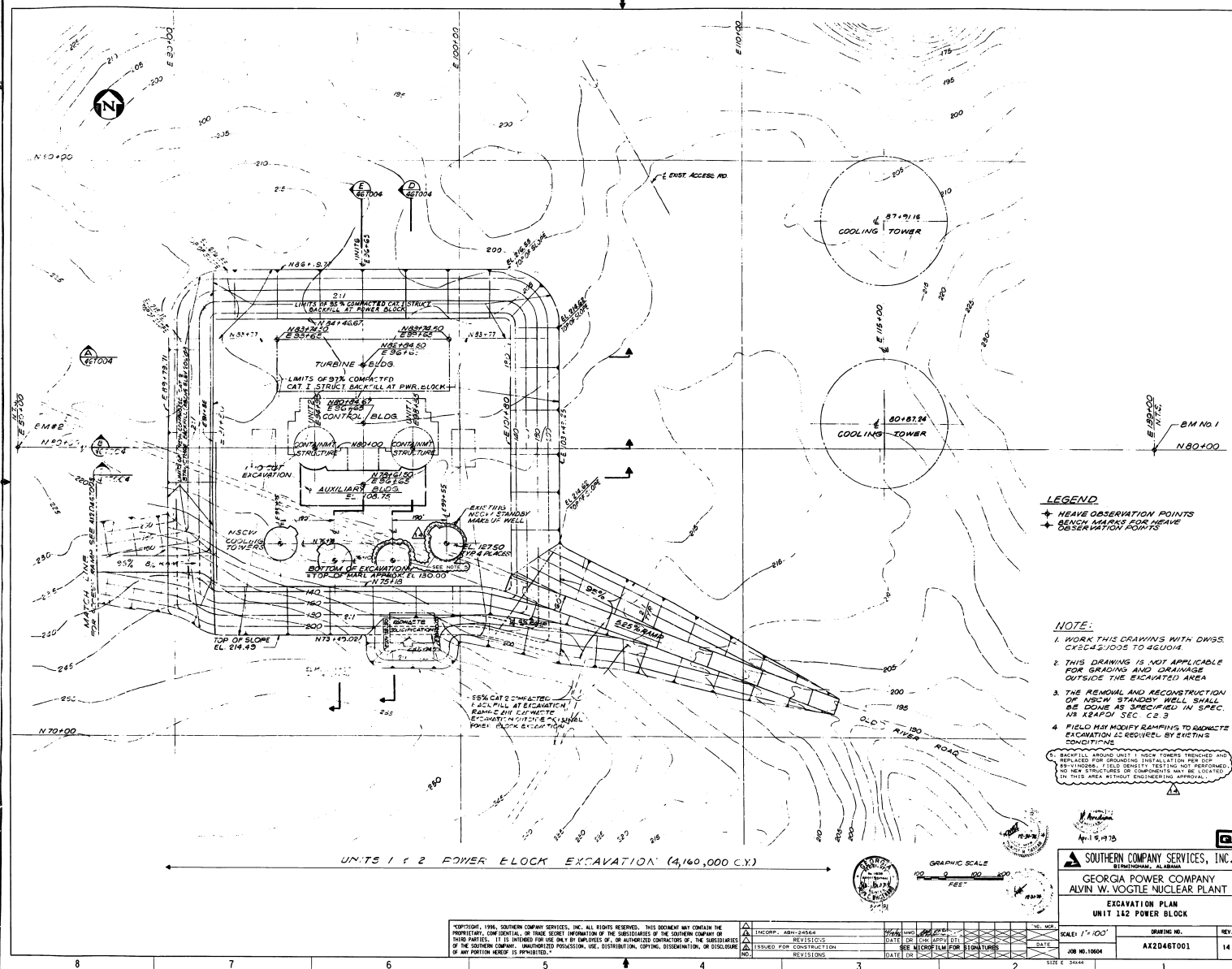
REV.	DATE	BY	CHKD.	APP'D.
1	11/1/78	W.E.		
2	11/1/78	W.E.		
3	11/1/78	W.E.		
4	11/1/78	W.E.		
5	11/1/78	W.E.		
6	11/1/78	W.E.		
7	11/1/78	W.E.		
8	11/1/78	W.E.		
9	11/1/78	W.E.		
10	11/1/78	W.E.		

REV.	DATE	BY	CHKD.	APP'D.	DESCRIPTION
1	11/1/78	W.E.			ADD INSERT PLATES
2	11/1/78	W.E.			ADD PLATE MISC DETAIL
3	11/1/78	W.E.			REV PLAN ADD SECTION A
4	11/1/78	W.E.			ISSUED FOR CONSTRUCTION
5	11/1/78	W.E.			REVISED FOR CONSTRUCTION
6	11/1/78	W.E.			REVISED FOR CONSTRUCTION
7	11/1/78	W.E.			REVISED FOR CONSTRUCTION
8	11/1/78	W.E.			REVISED FOR CONSTRUCTION
9	11/1/78	W.E.			REVISED FOR CONSTRUCTION
10	11/1/78	W.E.			REVISED FOR CONSTRUCTION

**BECHTEL**  
LOS ANGELES  
GEORGIA POWER COMPANY  
ALVIN W. VOGTLE NUCLEAR PLANT

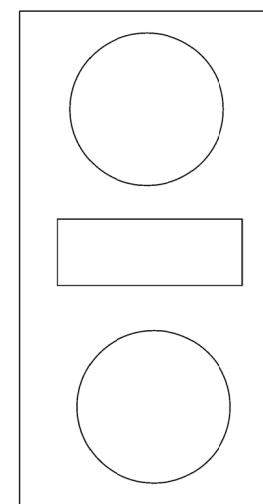
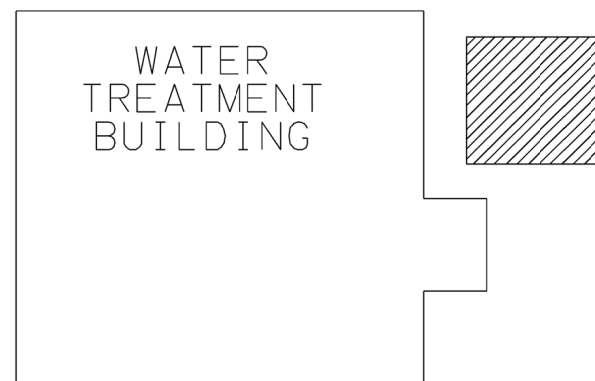
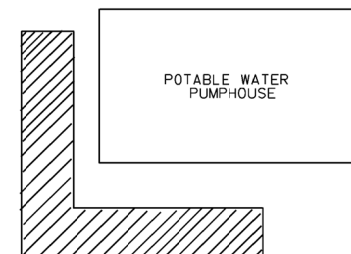
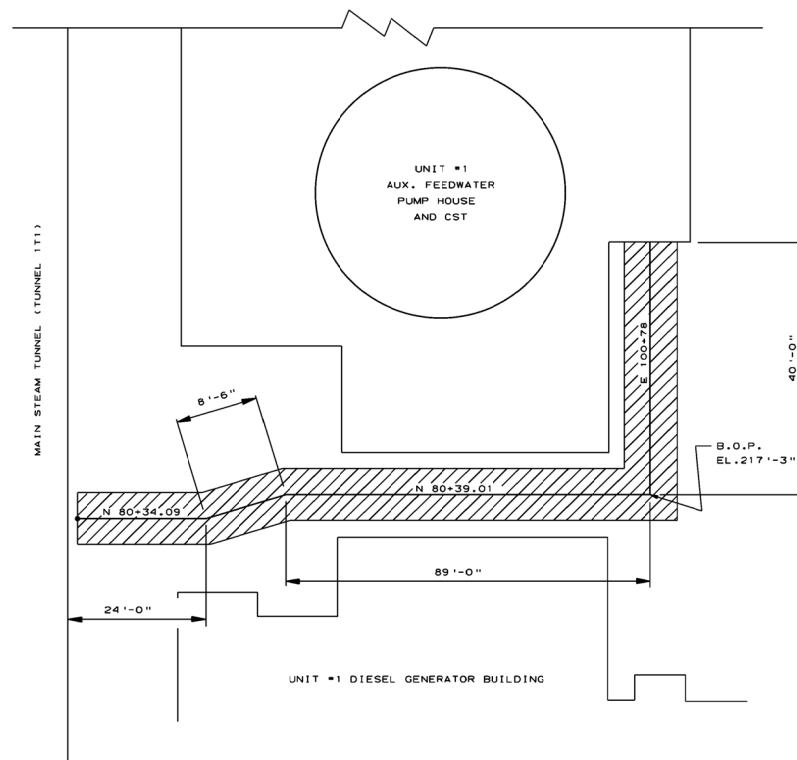
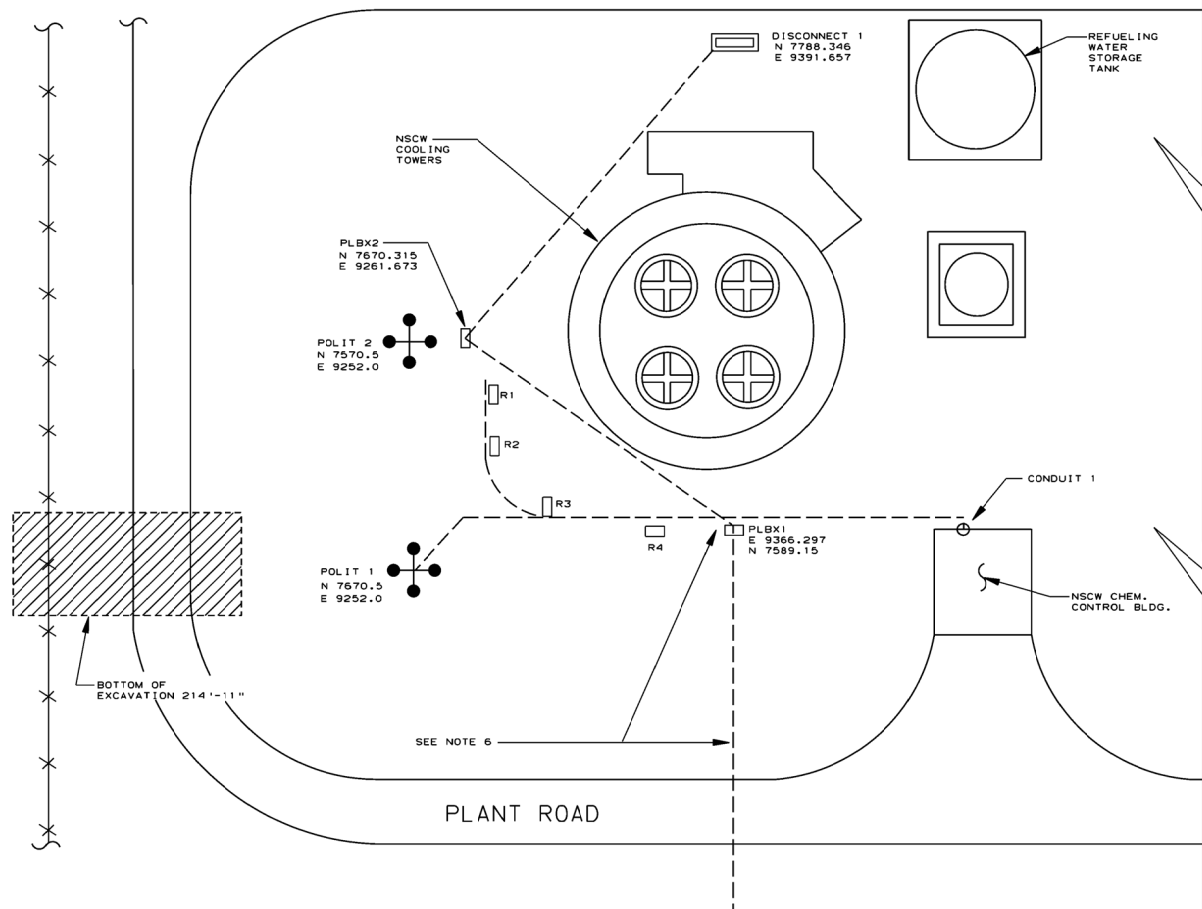
CONTROL BUILDING  
FORMING PLAN AT EL. 200'-0"  
ELECTRICAL TUNNEL UNIT 1

SCALE: 1/4" = 1'-0"  
XJB NO. 910  
DRAWING NO. AX2D11A048  
REV. 4



\*COPYRIGHT, 1996, SOUTHERN COMPANY SERVICES, INC. ALL RIGHTS RESERVED. THIS DOCUMENT MAY CONTAIN THE PROPRIETARY, CONFIDENTIAL, OR TRADE SECRET INFORMATION OF THE SUBSIDIARIES OF THE SOUTHERN COMPANY OR 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.\*





- LEGEND
- UNDOCUMENTED BACKFILL
  - R1 = EAST 9278.401 NORTH 7643.757
  - R2 = EAST 9283.337 NORTH 7612.469
  - R3 = EAST 9280.515 NORTH 7575.917
  - R4 = EAST 9358.851 NORTH 7586.894
  - ▨ UNDOCUMENTED COMPACTED BACKFILL

THIS DRAWING WAS RENUMBERED  
FROM AX2046T025 (SHEET 2 )  
WORK THIS DRAWING WITH:  
AX2046T025-1

**SOUTHERN COMPANY SERVICES, INC.**  
BIRMINGHAM, ALABAMA

**GEORGIA POWER COMPANY**  
**ALVIN W. VOGTLE NUCLEAR PLANT**

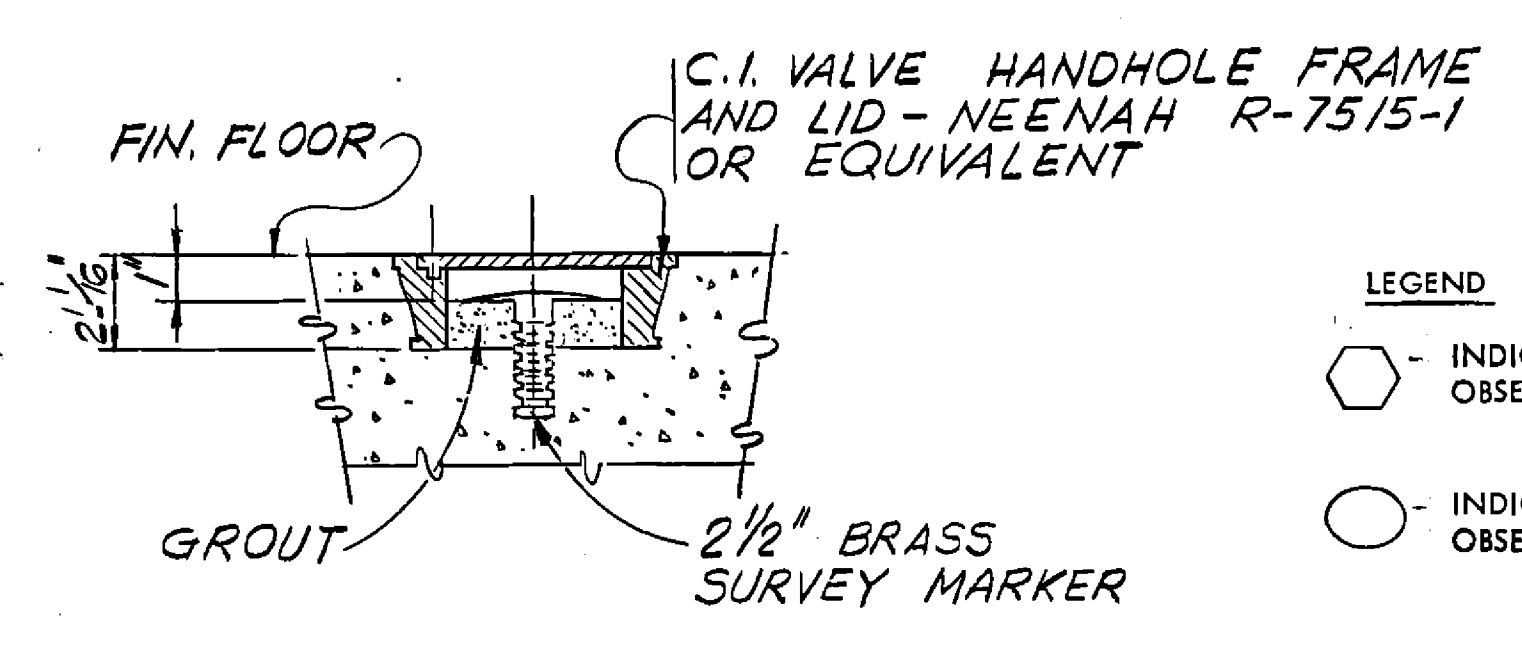
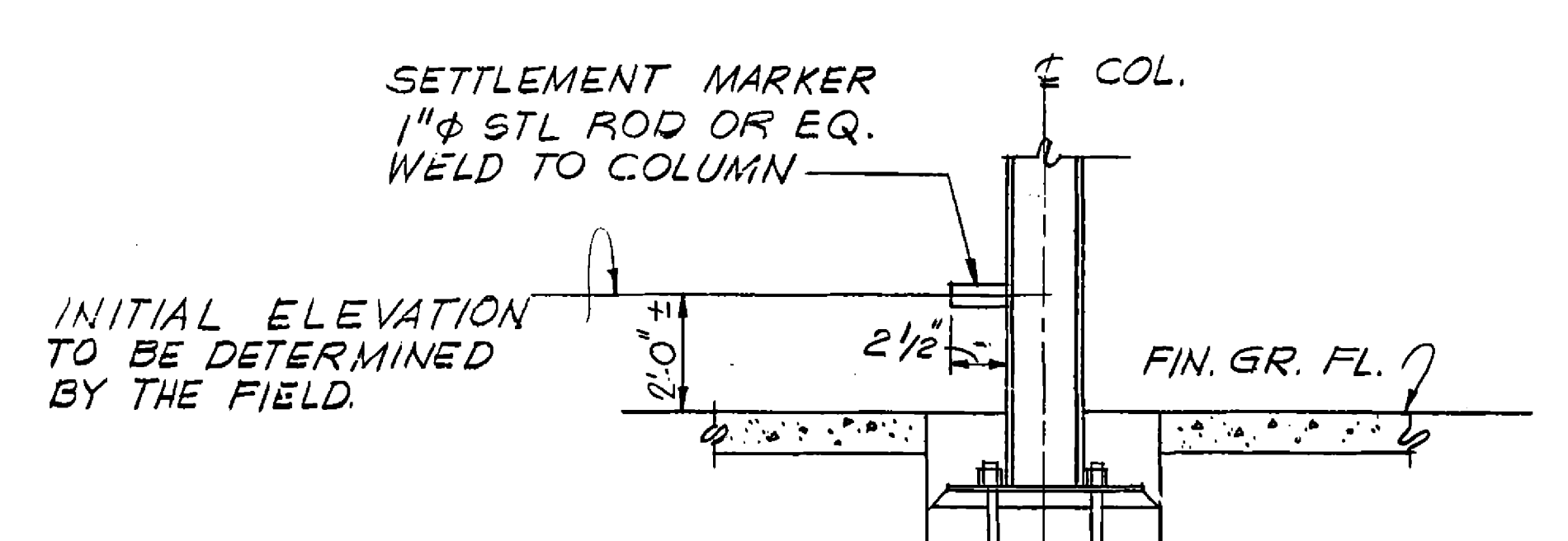
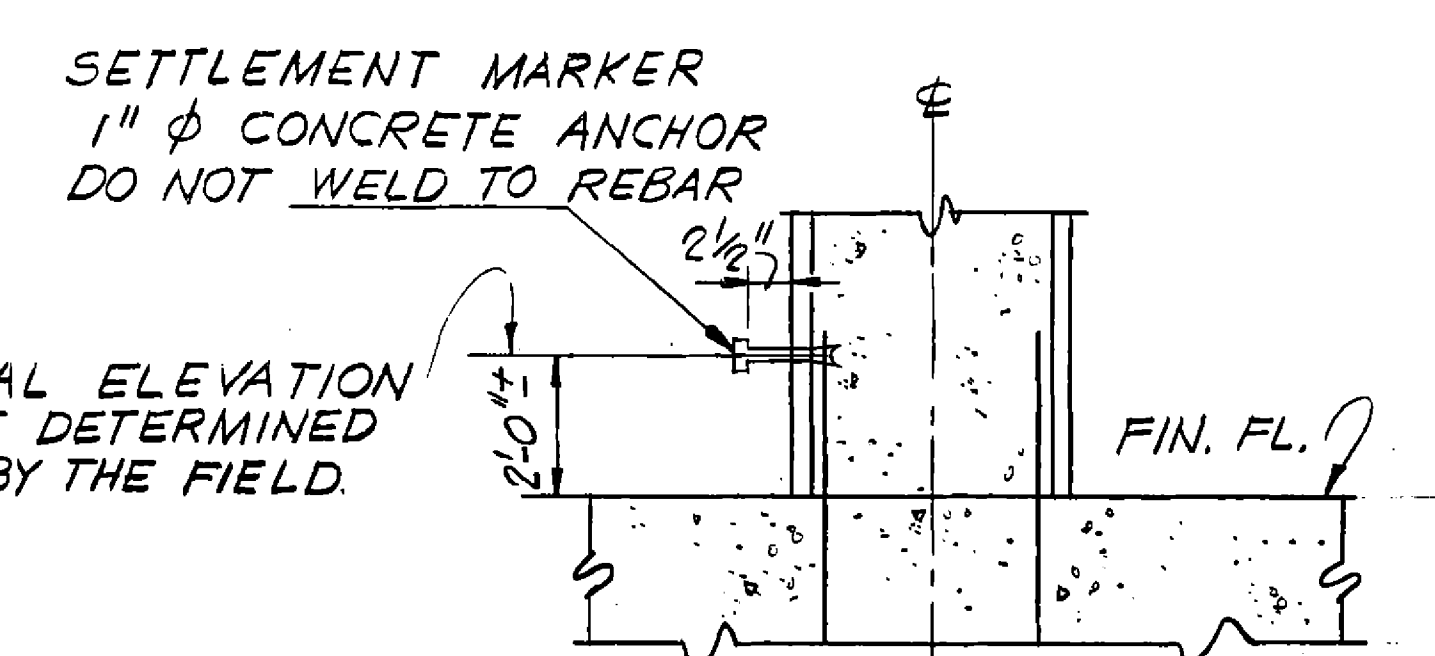
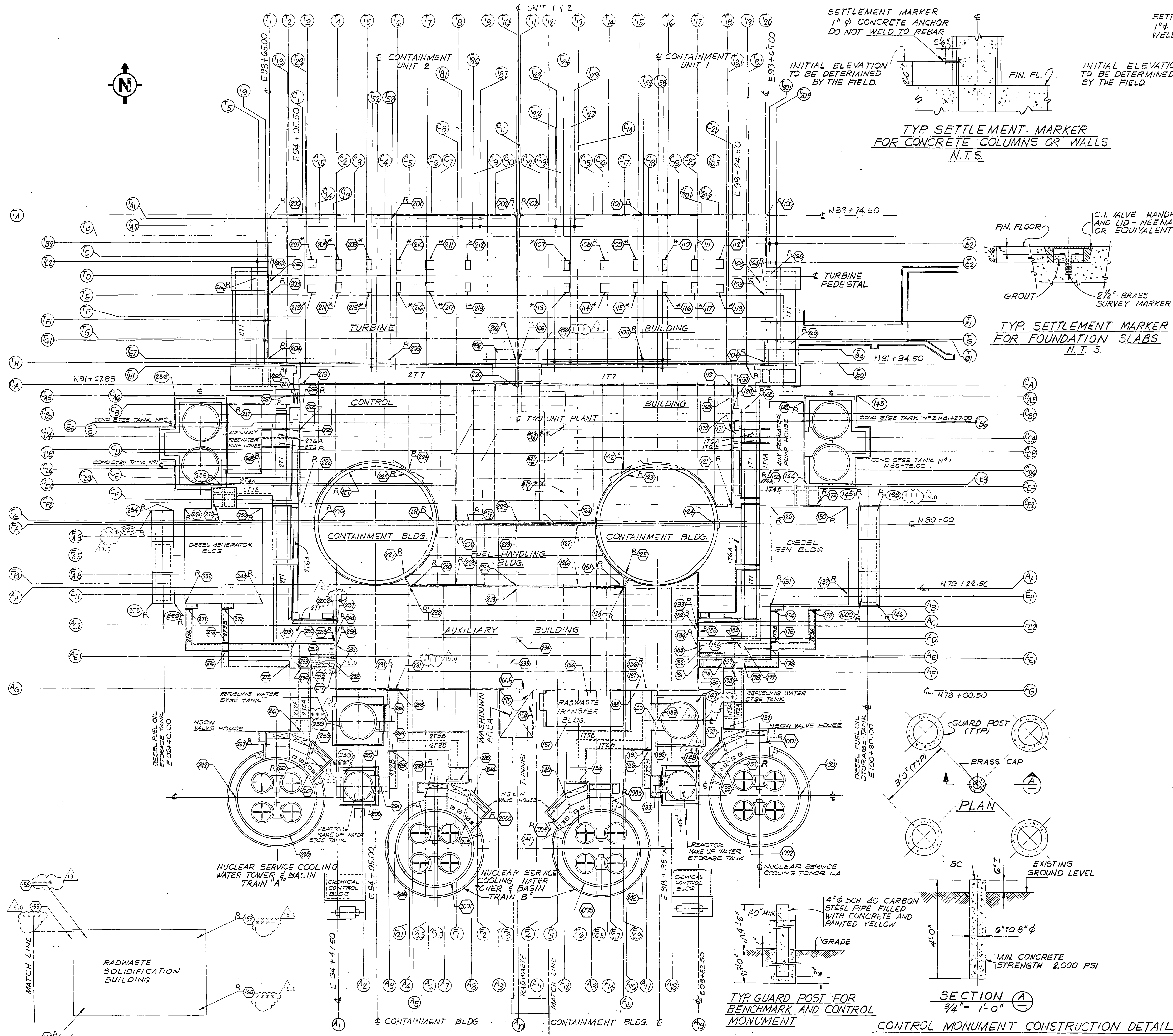
NON-CATEGORY 1  
BACKFILL REQUIREMENTS  
YARD AREA  
(SHEET 2 OF 2)

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.

7.0	REVISED PER ABN C100868001C014, VER 1.0	8-22-13	Vep	JWM	JMR
NO.	VERSIONS	DATE	DR	CHK	APPV

SCALE: NONE	DRAWING NO.	VER.
JOB NO. 10604	AX2046T025-2	7.0



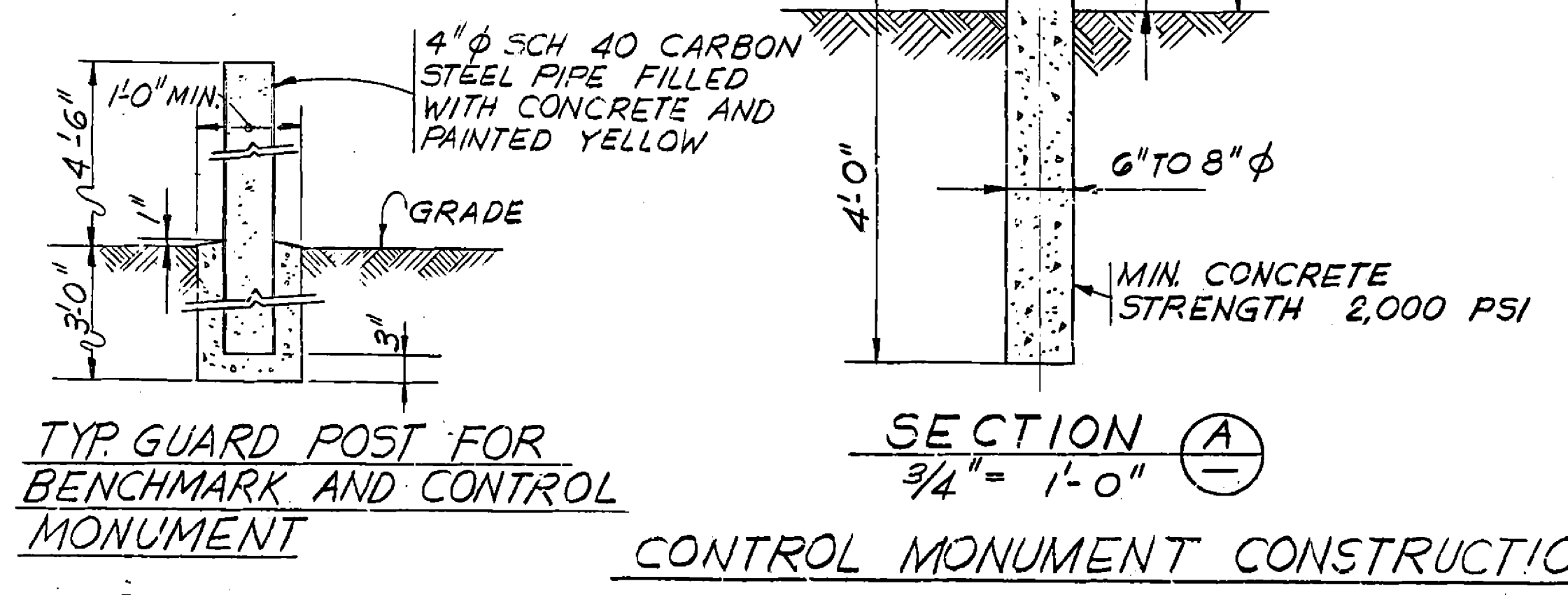


- LEGEND
- INDICATES LOCATION AND NUMBER OF SETTLEMENT OBSERVATION MARKERS ON STRUCTURES.
  - INDICATES LOCATION AND NUMBER OF SETTLEMENT OBSERVATION MARKER ON CATEGORY 1 TANKS.

- NOTES
- CONSTRUCTION SHALL INSTALL SETTLEMENT MARKERS SHOWN ON THE LOCATION DRAWING AS SOON AS THE STEEL COLUMNS ARE ERECTED OR THE FORMS ARE STRIPPED FROM CONCRETE COLUMNS, WALLS, AND FOUNDATIONS (BEGINNING AT LEVEL +0' (BASEMENT) AUX. FLOOR).
  - SETTLEMENT NUMBERS SHALL BE STENCILED OR OTHERWISE CLEARLY MARKED ON A FLAT SURFACE ADJACENT TO THE MARKER.
  - CONSTRUCTION SHALL LOCATE THE SETTLEMENT MARKERS ON OR NEAR THE SPECIFIED COLUMNS, ETC., SO THAT A CLEAR LINE OF SIGHT IS AVAILABLE FROM CENTRALIZED INSTRUMENT STATIONS WHERE POSSIBLE.
  - USING THE SETTLEMENT MARKER LOCATION DRAWING AND THE PLANT GENERAL ARRANGEMENT DRAWINGS THE LOCATIONS FOR THE INSTRUMENT STATIONS CAN BE ESTABLISHED.
  - ANY MARKER WHICH IS DESTROYED OR BECOMES INACCESSIBLE SHALL BE IMMEDIATELY REPLACED AS NEAR AS POSSIBLE TO THE ORIGINAL LOCATION AND ELEVATION. CONSTRUCTION WILL TIE THE ELEVATION OF A REPLACED OR RELOCATED MARKER TO THAT OF THE OLD MARKER. AN ADJUSTED INITIAL ELEVATION SHALL BE ESTABLISHED FOR THE NEW MARKER SO THAT AN UNINTERRUPTED SETTLEMENT OBSERVATION OF THE MARKER CAN BE MAINTAINED.
  - FOR CONVERSION TO GEORGIA STATE GRID COORDINATE SYSTEM SEE DWG. NO. X2D45V002.
  - THE LOCATIONS OF BENCHMARKS ARE SHOWN ON DWG. AX2D46T001.
  - THE MONITORING AND RECORDING OF SETTLEMENT READINGS SHALL CONFORM TO THE PROCEDURES GIVEN IN SPECIFICATION NO. X2AP01 DIVISION C10 SECTION C10.1.
  - CONSTRUCTION OF CONTROL MONUMENTS SHALL BE AS SOON AS PRACTICAL AND AS SHOWN ON DETAIL DRAWING AX2D55V001 AND SHALL CONFORM TO SPECIFICATION NO. X2AP01 DIVISION C10 SECTION C10.1.4b.
  - GPC FIELD TO FURNISH BECHTEL ENGINEERING WITH PROPOSED LOCATION FOR CONTROL MONUMENTS FOR INCLUSION INTO THE DRAWING.
  - READINGS DISCONTINUED 1/15/84.
  - CONCRETE ANCHORS MAY BE SUBSTITUTED FOR SETTLEMENT MARKERS 162 THROUGH 194.
  - READINGS DISCONTINUED 10/20/87.
  - FOR TURBINE GENERATOR PEDESTAL SURVEY MARKERS REFERENCE DWGS. 1X2D51C001, 1X2D51C002, 1X2D51C004, 2X2D51C001, 2X2D51C002, 2X2D51C004.
  - FOR TURBINE BUILDING SHEETPILE DEFLECTION MARKERS AND SETTLEMENT MARKERS, SEE DWG. NO. AX2D15B008.
  - FOR LOCATION OF SURVEY MARKERS USED DURING BACKFILL DRAINAGE SEE DWG. NO. AX2D55V014.
  - MARKERS RELOCATED TO IMPROVE ACCESS BEGINNING 10/20/87. MARKER AT ORIGINAL LOCATION TO BE PRESERVED FOR POSSIBLE FUTURE READINGS.

\*\*\* 18. READINGS DISCONTINUED 4/8/2005.

\*\*\*\* 19. READINGS DISCONTINUED 10/23/1991.

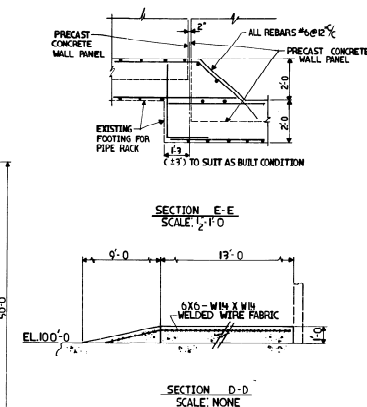


SOUTHERN COMPANY SERVICES, INC.  
BIRMINGHAM, ALABAMA

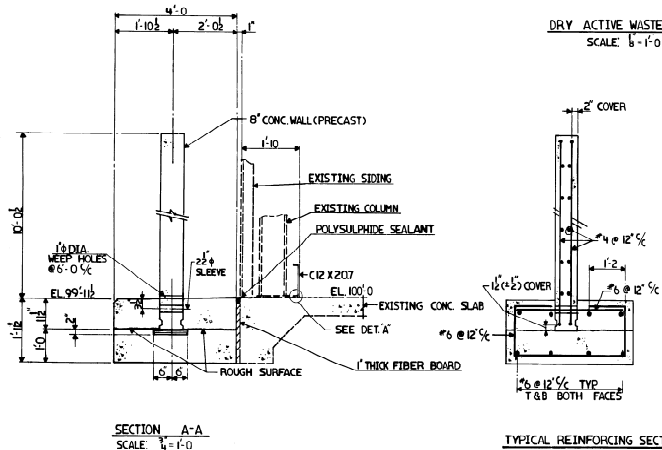
GEORGIA POWER COMPANY  
ALVIN W. VOGTLE NUCLEAR PLANT

SETTLEMENT OBSERVATION MARKERS  
LOCATION & DETAIL

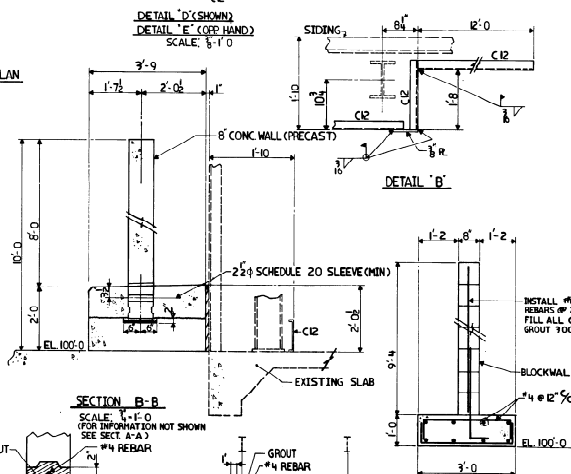
THIS DOCUMENT CONTAINS PROPRIETARY, CONFIDENTIAL, AND/OR TRADE SECRET INFORMATION OF THE SUBSIDIARIES OF THE SOUTHERN COMPANY OR OF THIRD PARTIES. IT IS INTENDED FOR USE ONLY BY EMPLOYEES OF, OR AUTHORIZED CONTRACTORS OF, THE SUBSIDIARIES OF THE SOUTHERN COMPANY. UNAUTHORIZED POSSESSION, USE, DISTRIBUTION, COPYING, DISSEMINATION, OR DISCLOSURE OF ANY PORTION HEREOF IS PROHIBITED.																						SCALE: 1"=40'-0"		DRAWING NO.		VER.																																	
										19.0		REVISED PER ABN-52167, VER.1.0						6-30-05		BgT		LRP		ASK		<div></div>		JOB NO.10604		AX2D55V001		19.0																											
										NO.		VERSIONS						DATE		DR		CHK		APPV		<div></div>																																	
5										<div></div>										4										3										2										1									



DRY ACTIVE WASTE STORAGE BLDG. PLAN  
SCALE: 1/8"=1'-0"



TYPICAL REINFORCING SECT.



SECTION C-C  
SCALE: 1/4"=1'-0"

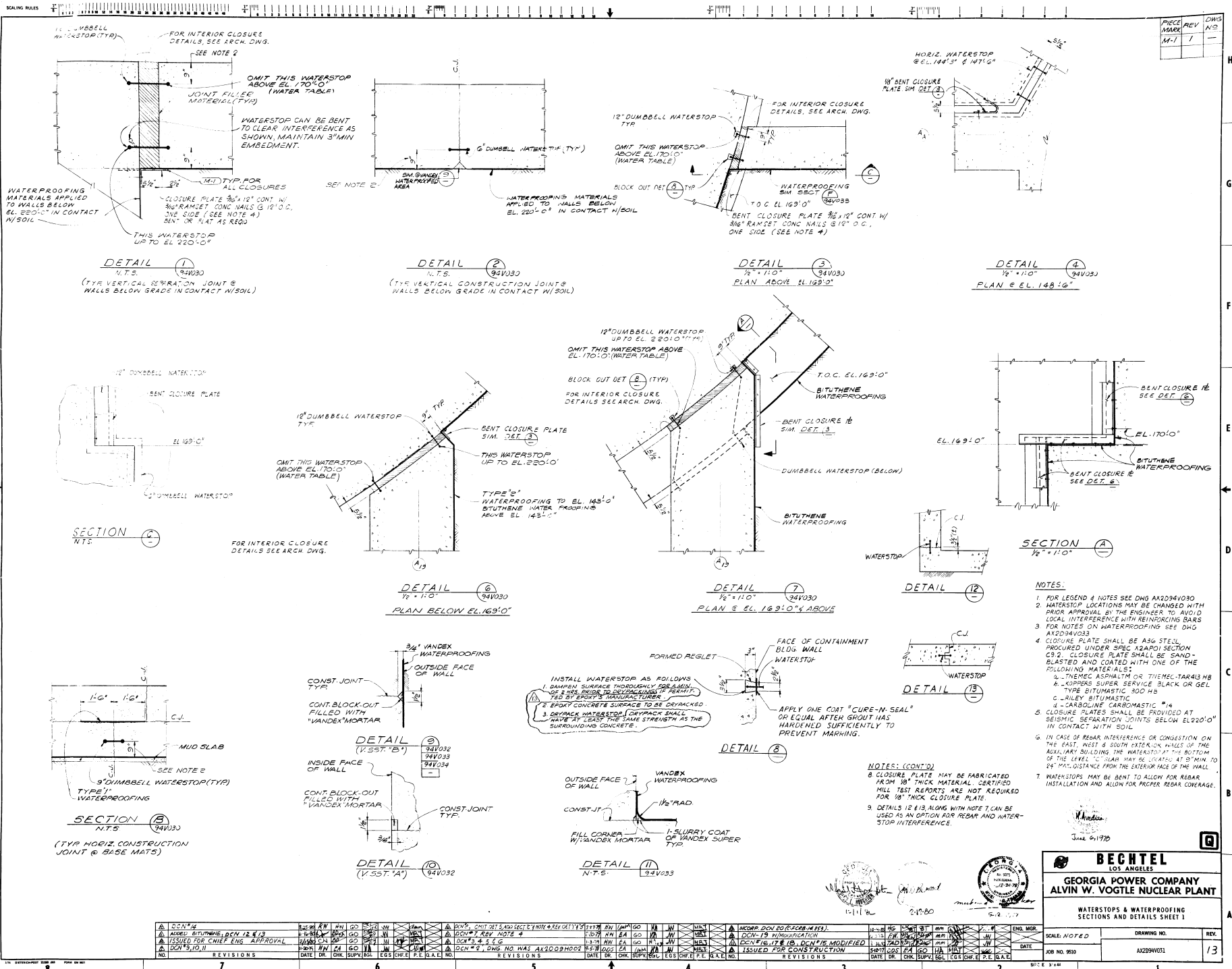
- [illegible]

**SOUTHERN COMPANY SERVICES, INC.**  
BIRMINGHAM, ALABAMA

**GEORGIA POWER COMPANY**  
**ALVIN W. VOGTLE NUCLEAR PLANT**  
DRY ACTIVE WASTE STORAGE BLDG.  
PLAN AND SECTIONS

[illegible]

AX2D94V031

[illegible]

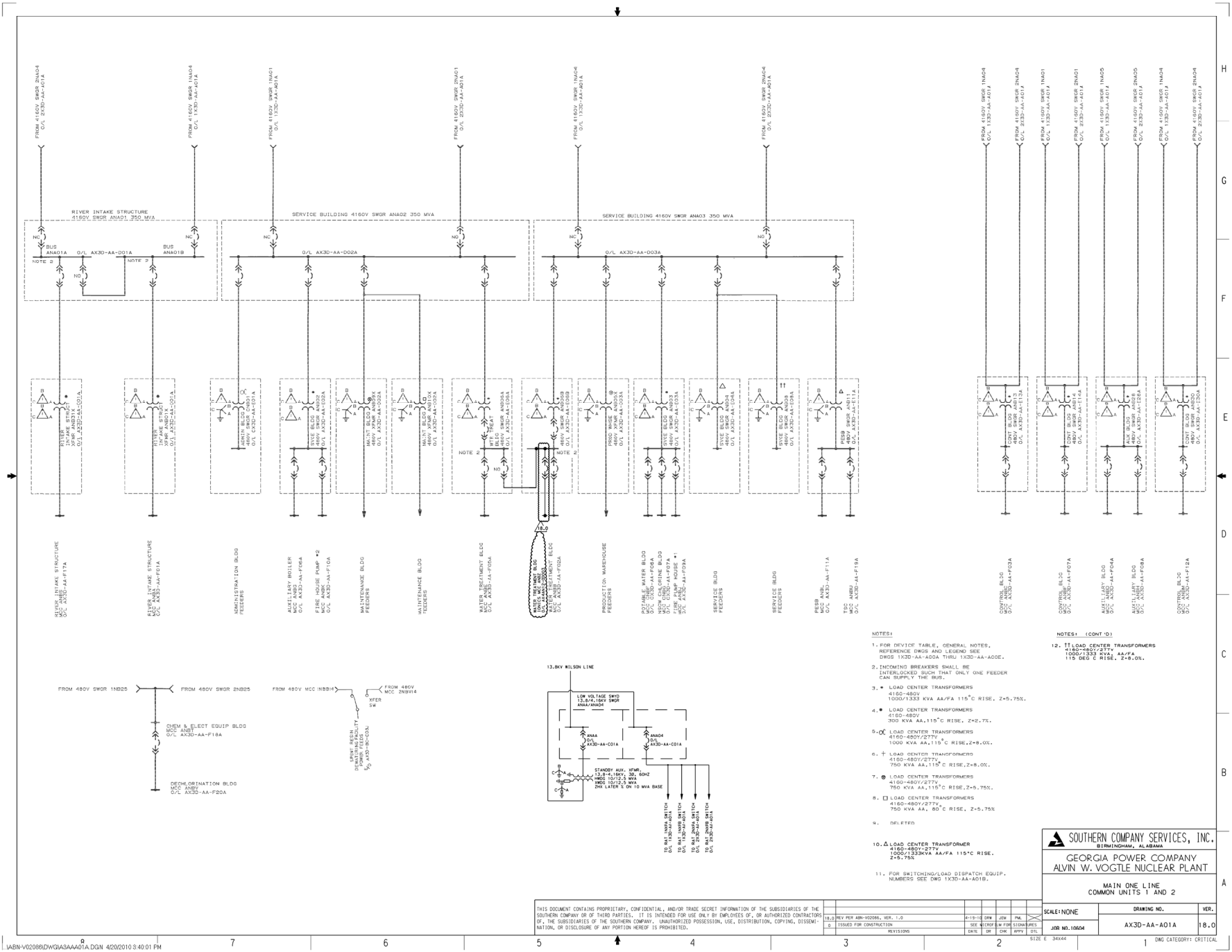
**BECHTEL**  
LOS ANGELES

**GEORGIA POWER COMPANY**  
**ALVIN W. VOGTLE NUCLEAR PLANT**

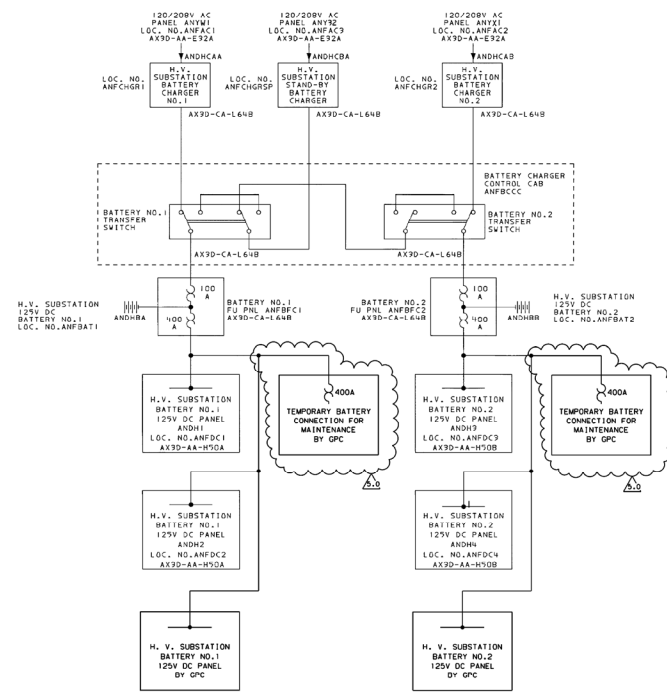
WATERSTOPS & WATERPROOFING  
SECTIONS AND DETAILS SHEET

SCALE: <i>NOTED</i>	DRAWING NO.	REV.
JOB NO. 9510	AX2D9AV031	13







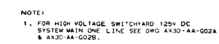



**SOUTHERN COMPANY SERVICES, INC.**  
 BIRMINGHAM, ALABAMA  
**GEORGIA POWER COMPANY**  
**ALVIN W. VOGTLE NUCLEAR PLANT**  
 MAIN ONE LINE  
 125V DC  
 HIGH VOLTAGE SUBSTATION

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, REPRODUCTION, OR DISCLOSURE OF ANY PORTION HEREOF IS PROHIBITED.				NO.				DATE				JOB NO. 10604				DRAWING NO.				VER.			
5.0 REVISED PER ABM SHCS270440005, VER. 1.0				12/01/13				LEH				AX3D-AA-G02A				5.0				1			
VER. 1.0				DATE				JOB NO. 10604				DRAWING NO.				VER.				1			
NO.				DATE				JOB NO. 10604				DRAWING NO.				VER.				1			

[illegible]

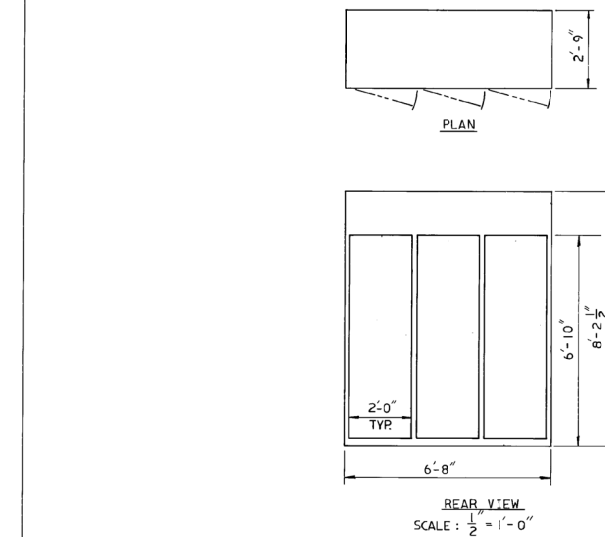
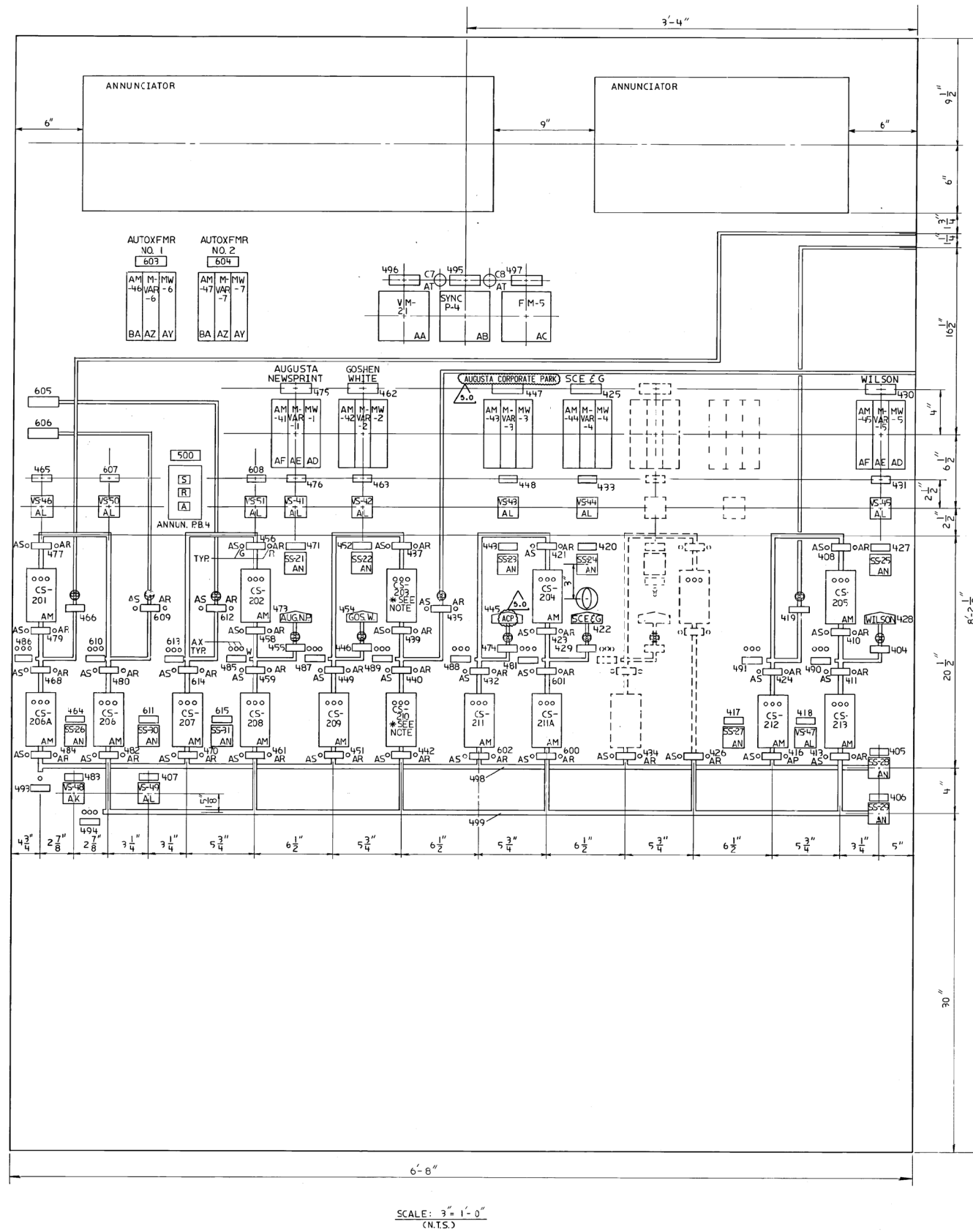
SIZE E 34X44	OWG CATEGORY: CRITIC
--------------	----------------------



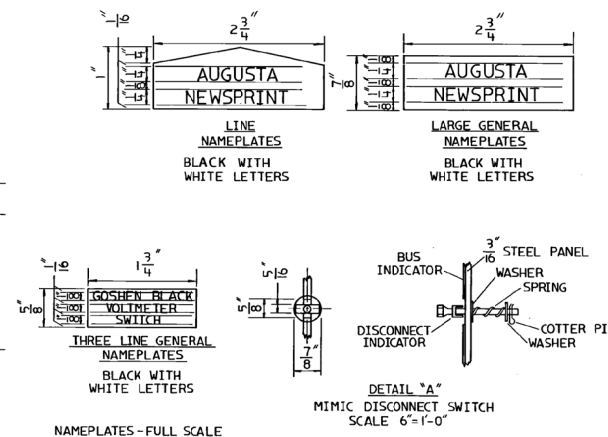
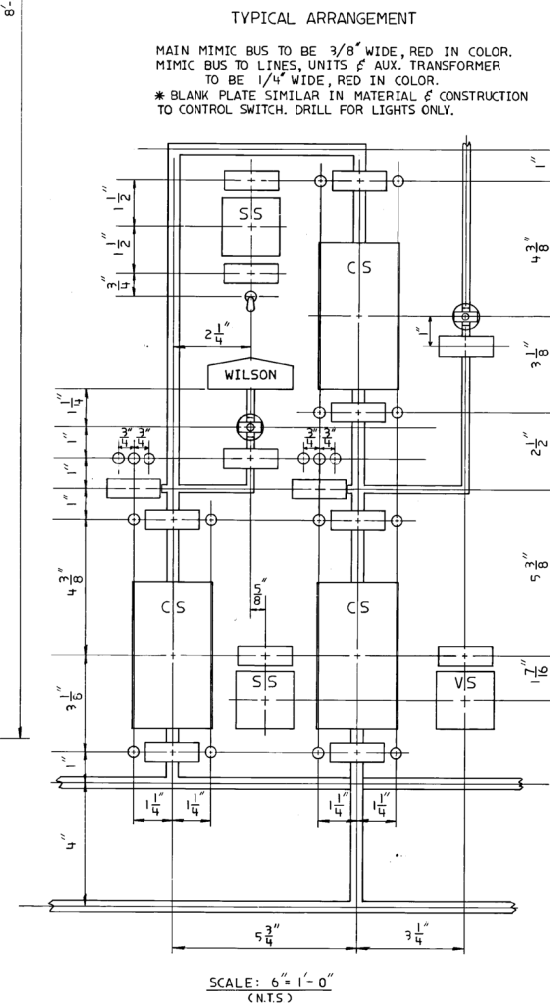
 <b>SOUTHERN COMPANY SERVICES, INC.</b> BIRMINGHAM, ALABAMA		
<b>GEORGIA POWER COMPANY</b> <b>ALVIN W. VOGTLE NUCLEAR PLANT</b>		
<b>MAIN ONE LINE</b> <b>CAS &amp; SAS DISTRIBUTION SYSTEM</b>		
SCALE: NONE	DRAWING NO.	REV
JOB NO. 10604	AX30-AA-G02C	3







REFERENCE DRAWINGS  
AX3D-AA-L50A THRU L50G - SINGLE LINE DIAGRAM  
X3AEO1 ATTACHMENT 24



- NOTES
- ADDED GOSHEN LINES 2 & 3, VOLT SWITCHES FOR BUS 1 & 2, TRAIN A & B. EXTENDED PANEL HEIGHT. REMOVED UNIT NO. 1 HIGH SIDE CONTROL, VOLT & SYN. SWITCHES. ADDED NOTES INDICATED BY \*
  - REARRANGED BOARD TO SHOW NEW LOCATION OF OFFSITE SOURCES AND 230KV LINES AND THE ADDITION OF AUTO-XFMR NOS. 1 & 2.
  - RELINCE TO PUNCH AND DRILL HOLES FOR ALL FUTURE DEVICES (SHOWN DOTTED) AND COVER HOLES WITH BLANK PLATES.
  - WILSON LINE WAS WAYNESBORO, FUT. SCE & G LINE WAS WILSON, GOSHEN BLACK WAS GOSHEN NO. 3, GOSHEN WHITE WAS GOSHEN NO. 2, AUGUSTA NEWSPRINT WAS GOSHEN NO. 1. DELETED NAMEPLATES 401, 403, 414, 415 & 492. RELOCATED N.P. NOS. 427, 428, 430, 431 & 490. REVISED N.P. NOS. 419, 443, 445, 447, 448, 452, 454, 455, 462, 463, 471, 473, 475, 476, 485, 486, 487, 488 & 491.
  - ADDED N.P. NOS. 420, 422, 425, 433, 481 & 617 FOR SCE & G 230KV LINE. ADDED RECL521. DELETED 2-MK AD, 2-MK AE, 2-MK AF, 1-MK AG, 1-MK AH & 1-MK AJ. REVISED GOS. WHITE, GOS. BLACK & SCE & G METERING, AM-42, 43, 44 & MVAR-2, 3, 4 & MW-2, 3, 4.

SOUTHERN COMPANY SERVICES, INC.  
BIRMINGHAM, ALABAMA

GEORGIA POWER COMPANY  
ALVIN W. VOGTLE NUCLEAR PLANT

UNIT NO. 1  
ELECTRICAL AUXILIARY BOARD, SEC. 1B  
230 KV SUBSTATION CONTROL

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.

5.0 REVISED PER ABN-V03668, VER. 3.0  
NO. DATE OR CHK APPV

SCALE: NONE  
DRAWING NO. AX3D-CA-L50A  
VER. 5.0





Replacing amplifier 651-001 with amplifier 751-001 will require a retrofit of the enclosure. Use kit numbers shown below.

INDOOR ENCLOSURE (G.T.C. 12586-002)

- 1. Remove and discard the harness assembly (TB1), the connector (J1), and the associated hardware, see Figure 1. Note: Do not remove TB2.
- 2. Install harness assembly plate by aligning the plate with the holes used to mount the previous TB1. Secure using the two screws included in the kit.

WEATHERPROOF ENCLOSURE (G.T.C. 12586-003)

- 1. Remove label on the front cover of the enclosure and discard.
- 2. Remove and discard the harness assembly (TB1), the connector (J1), and the associated hardware, see figure 2. Note: Do not remove TB2.
- 3. Install harness assembly plate by aligning the plate with the holes used to mount the previous TB1. Secure using the two screws included in the kit.

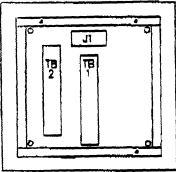


Figure 1, Indoor Enclosure

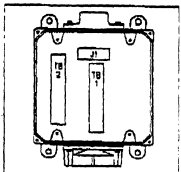
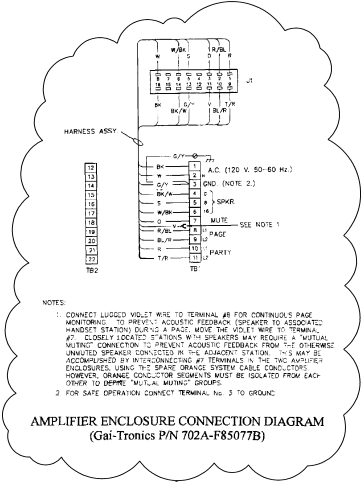



Figure 2, Weatherproof Enclosure

AMPLIFIER RETROFIT KIT



 SOUTHERN COMPANY SERVICES, INC. BIRMINGHAM, ALABAMA		
GEORGIA POWER COMPANY ALVIN W. VOGTLE NUCLEAR PLANT		
LIGHTING & COMMUNICATIONS GENERAL NOTES & SYMBOLS		
SCALE: NONE	DRAWING NO.	REV.
JOB NO. 10604	AX3DG030 SHEET 3 OF 3	33

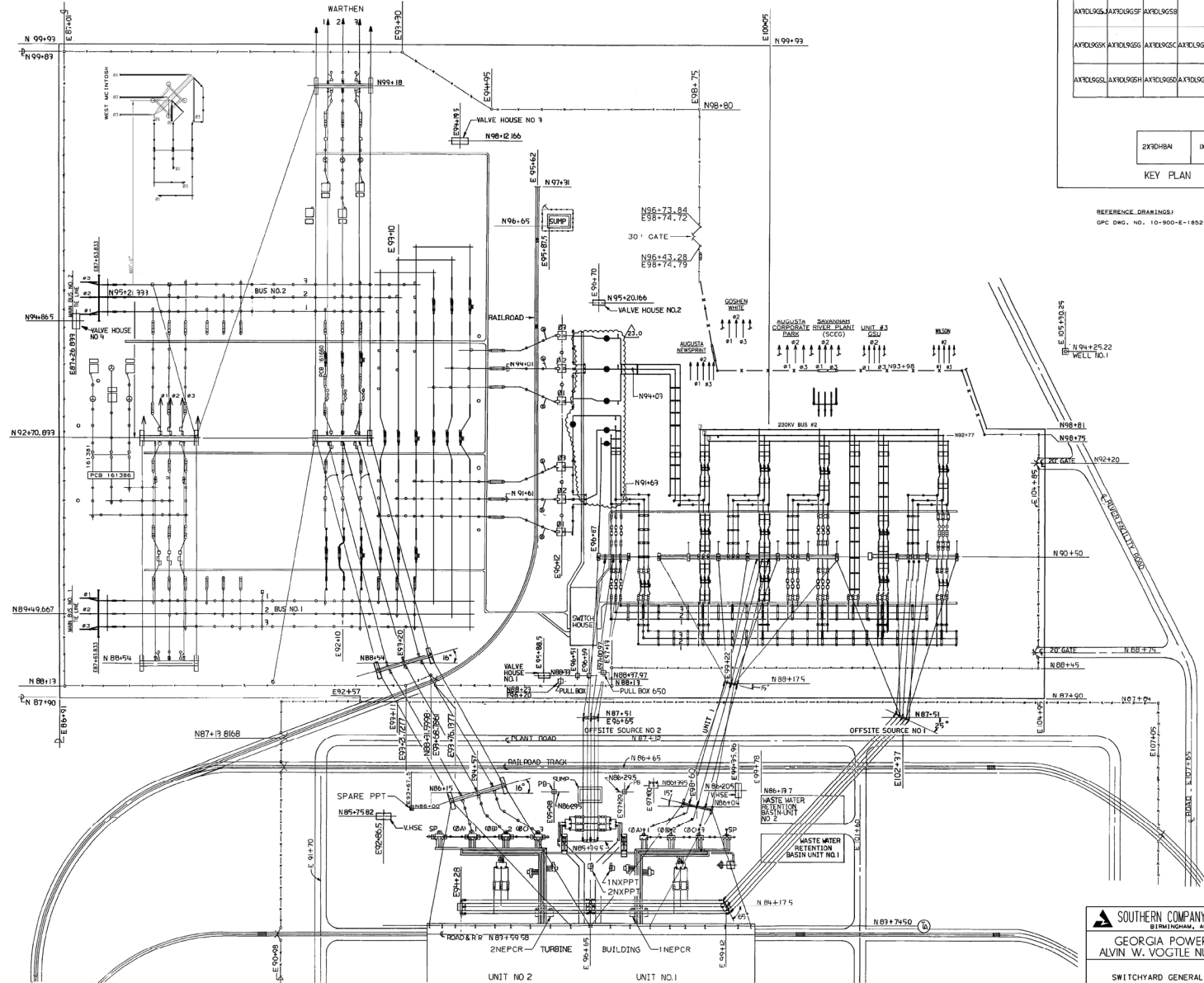


AX3DL060	AX3DL060	AX3DL060	AX3DL060	AX3DL060	AX3DL060
AX3DL060	AX3DL060	AX3DL060	AX3DL060	AX3DL060	AX3DL060
AX3DL060	AX3DL060	AX3DL060	AX3DL060	AX3DL060	AX3DL060
AX3DL060	AX3DL060	AX3DL060	AX3DL060	AX3DL060	AX3DL060

2X30H84	0X30H74
---------	---------

KEY PLAN

REFERENCE DRAWINGS:  
GPC DWG. NO. 10-900-E-1852-001



**SOUTHERN COMPANY SERVICES, INC.**  
BIRMINGHAM, ALABAMA  
**GEORGIA POWER COMPANY**  
**ALVIN W. VOGTLE NUCLEAR PLANT**  
SWITCHYARD GENERAL ARRANGEMENT

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 SOUTHERN COMPANY. UNAUTHORIZED POSSESSION, USE, DISTRIBUTION, COPYING, DISSEMINATION, OR DISCLOSURE OF ANY PORTION HEREOF IS PROHIBITED.		REVISED PER ABN A10276301E002, VER. 1.0	Y/H	LEH	ALM	MMO	NO.	DATE	DR	CHK	APPV	SIZE	E 30044
VER. 23.0		NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 7	NO. 8	NO. 9	NO. 10	NO. 11	NO. 12

8

7

6

5

4

3

2

1

H

G

F

E

D

C

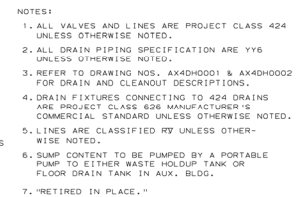
B


A



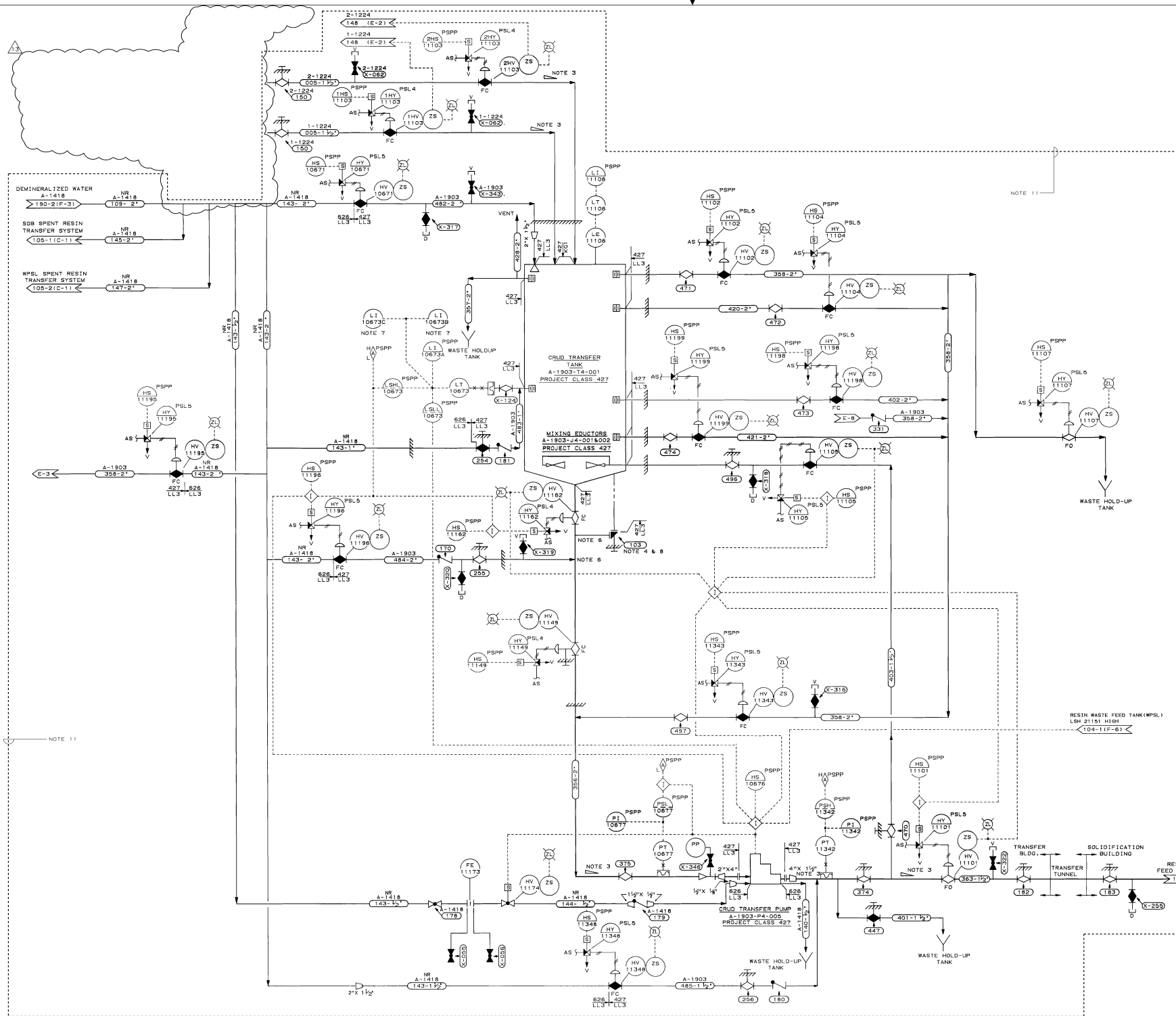






	<b>SOUTHERN COMPANY SERVICES, INC.</b> BIRMINGHAM, ALABAMA
	<b>GEORGIA POWER COMPANY</b> <b>ALVIN W. VOGTLE NUCLEAR PLANT</b>
	<b>P &amp; I DIAGRAMS</b> <b>AUXILIARY BUILDING &amp; MISC. DRAINS</b> <b>SYSTEM NO. 1215</b> <b>(TRANSFER BUILDING)</b>

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.										(TRANSFER BUILDING)		DRAWING NO.		REV.			
<div><div>INCORP. PER AEN-39481</div><div>NO. REVISIONS</div></div>										SCALE: NONE		JOB NO.10604		AX4DB105-4		10	
<div><div>12-11-02</div><div>DFV</div><div>MWD</div><div>DLL</div><div>X</div></div> <div><div>DATE</div><div>DR</div><div>CHK</div><div>APPV</div><div>DTL</div></div>																	

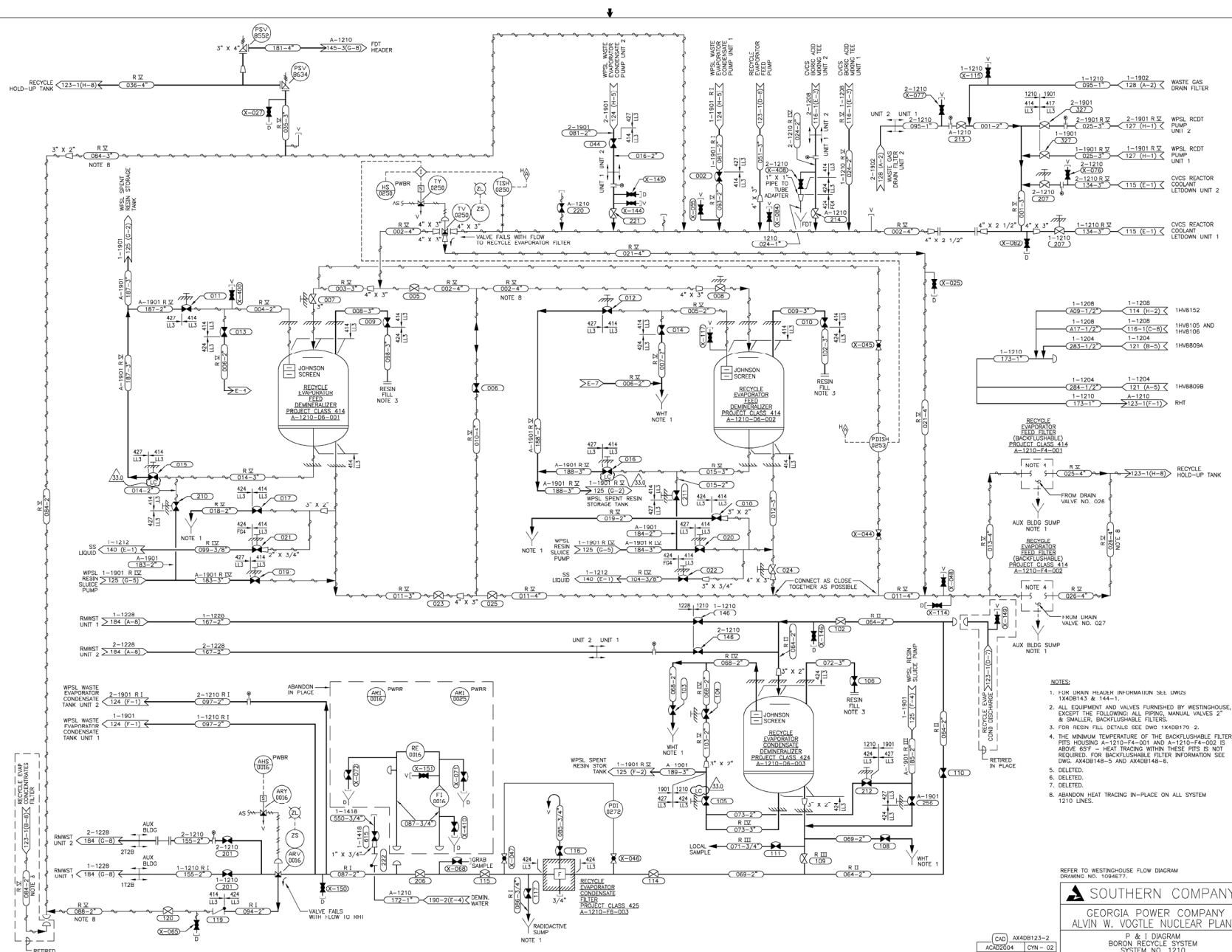


- NOTES:**
1. PROJECT CLASSIFICATION IS 427 UNLESS OTHERWISE NOTED.
  2. PIPING CLASSIFICATION IS LL3 UNLESS OTHERWISE NOTED.
  3. CRUD TRANSFER LINES SHALL HAVE MINIMUM SLOPE OF 1/8" PER FOOT AND 90 BENDS SHALL BE USED IN LIEU OF ELBOWS. CLEANOUTS SHALL BE PROVIDED WHERE APPROPRIATE. CONNECTIONS SHALL BE TAKEN OFF ABOVE THE HORIZONTAL MIDPLANE OF THE MAIN LINE. THE BRANCH LINE SHALL SLOPE TOWARDS THE MAIN LINE FOR A REASONABLE DISTANCE.
  4. TWO INCH RETRIEVAL ROD SEAL DRAIN VALVE WITH EXTENDED PLUNGER. PLUNGER IS FLUSH WITH BOTTOM OF TANK.
  5. ALL LINES ARE CLASSIFIED RV UNLESS OTHERWISE NOTED.
  6. BRANCH CONNECTIONS SHALL BE LATERAL.
  7. INDICATOR LOCALLY MOUNTED IN AUXILIARY BUILDING.
  8. VALVE PROVIDED BY AERJET, REACH ROD PROVIDED BY BECHTEL.
  9. DELETED
  10. DELETED
  11. "RETIRED IN PLACE".

THIS DOCUMENT CONTAINS PROPRIETARY, CONFIDENTIAL, AND/OR TRADE SECRET INFORMATION OF THE SUBSIDIARIES OF THE SOUTHERN COMPANY OR OF THEIR 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 1. REVISED PER REA 97-VA0601 2. ISSUED FOR CONSTRUCTION DATE: 08/14/98 BY: JMM/JDM CHK: JMM/JDM		11-9-8 GLE MWD JMM JDM	SEE WORKPLAN FOR SIGNATURES DATE: 08/14/98 BY: JMM/JDM CHK: JMM/JDM	SCALE: NONE JOB NO. 10604	DRAWING NO. AX408105-5	REV. 13
--	--	--	--	------------------------------------	--	------------------------------	---------------------------	------------

**SOUTHERN COMPANY SERVICES, INC.**  
 BIRMINGHAM, ALABAMA  
**GEORGIA POWER COMPANY**  
**ALVIN W. VOGTLE NUCLEAR PLANT**  
 P & ID DIAGRAM  
 RADWASTE SOLIDIFICATION AND VOLUME  
 REDUCTION SYSTEM-NO. 1903  
 (BACKFLUSHABLE FILTER CRUD TRANSFER)





- NOTES:
1. FOR MAIN HEADLINE INFORMATION SEE DWGS 1X40B143 & 144-1.
  2. ALL EQUIPMENT AND VALVES FURNISHED BY WESTINGHOUSE, EXCEPT THE FOLLOWING: ALL PIPING, MANUAL VALVES 2" & SMALLER, BACKFLUSHABLE FILTERS.
  3. FOR RESIN FILL DETAILS SEE DWG 1X40B170-2.
  4. THE MINIMUM TEMPERATURE OF THE BACKFLUSHABLE FILTER PITS HOUSING A-1210-FA-001 AND A-1210-FA-002 IS ABOVE 60°F - HEAT TRACING WITHIN THESE PITS IS NOT REQUIRED. FOR BACKFLUSHABLE FILTER INFORMATION SEE DWG. AX40B148-5 AND AX40B148-6.
  5. DELETED.
  6. DELETED.
  7. DELETED.
  8. ABANDON HEAT TRACING IN-PLACE ON ALL SYSTEM 1210 LINES.

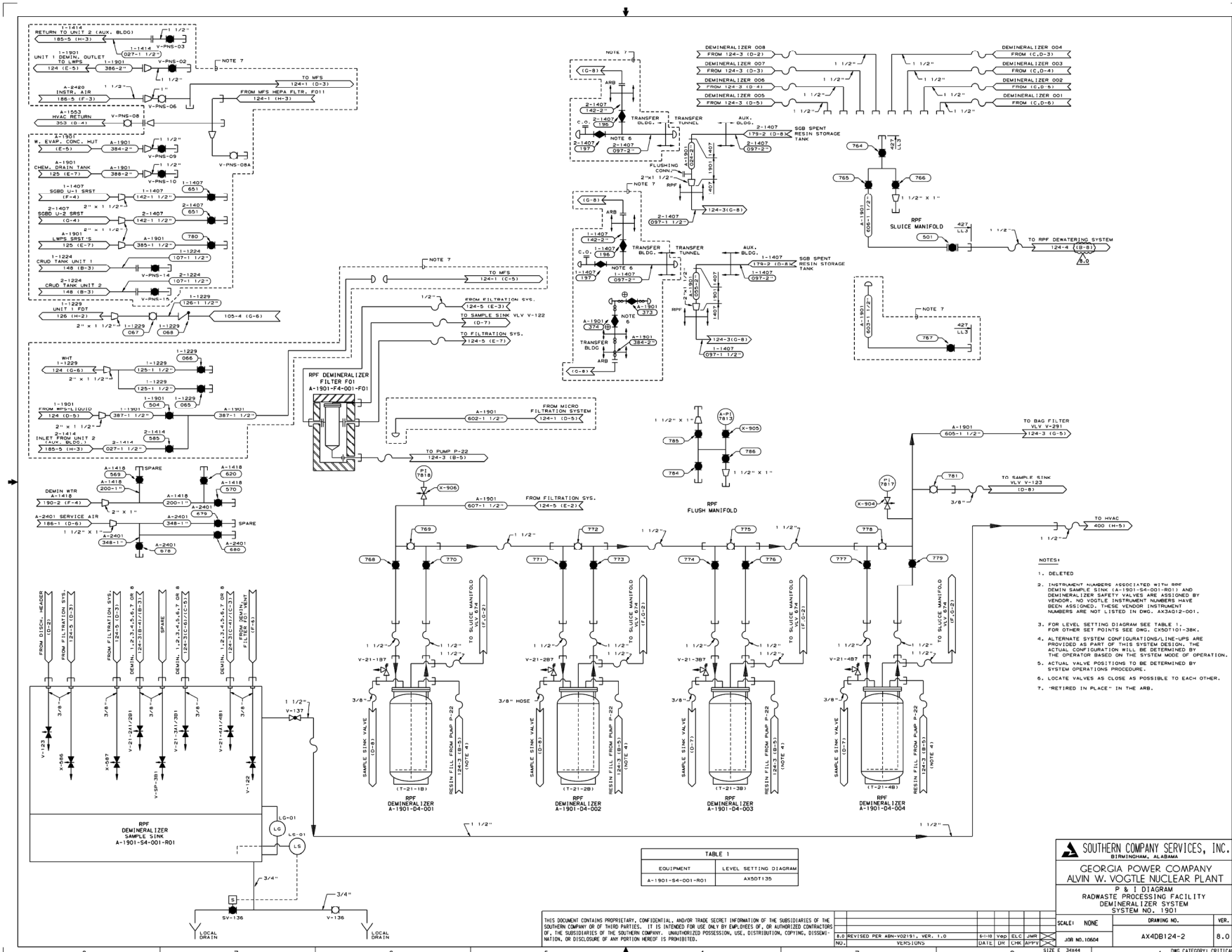
REFER TO WESTINGHOUSE FLOW DIAGRAM  
DRAWING NO. 1094E77.

<b>SOUTHERN COMPANY</b>	
GEORGIA POWER COMPANY ALVIN W. VOGTE NUCLEAR PLANT	
P & I DIAGRAM BORON RECYCLE SYSTEM SYSTEM NO. 1210	
CAD AX40B123-2 ACAD2004 CYN - 02	DRAWING NO. AX40B123-2

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.

33.0	REVISED PER AEN-V01041, VER 1.0	03-07	Bgt	MWD	WLN	X	33.0
NO.	VEILINGS	DATE	LN	CHK	APPV	U/L	
3		2					
4		2					
5		2					
6		2					
7		2					
8		2					

SCALE: NONE  
JOB NO. 10804  
SIZE E 34044  
DRAWING CATEGORY: CRITICAL



- NOTES:
1. DELETED
  2. INSTRUMENT NUMBERS ASSOCIATED WITH RPF DEMIN. SAMPLE SINK (A-1901-S4-001-R01) AND DEMINERALIZER SAFETY VALVES ARE ASSIGNED BY VENDOR. NO VENDOR INSTRUMENT NUMBERS HAVE BEEN ASSIGNED. THESE VENDOR INSTRUMENT NUMBERS ARE NOT LISTED IN DWG. AX34212-001.
  3. FOR LEVEL SETTING DIAGRAM SEE TABLE 1. FOR OTHER SET POINTS SEE DWG. AX50101-38K.
  4. ALTERNATE SYSTEM CONFIGURATION LINES ARE PROVIDED AS PART OF THIS SYSTEM DESIGN. THE ACTUAL CONFIGURATION WILL BE DETERMINED BY THE OPERATOR BASED ON THE SYSTEM MODE OF OPERATION.
  5. ACTUAL VALVE POSITIONS TO BE DETERMINED BY SYSTEM OPERATIONS PROCEDURE.
  6. LOCATE VALVES AS CLOSE AS POSSIBLE TO EACH OTHER.
  7. "RETIRED IN PLACE" IN THE ARB.

TABLE 1	
EQUIPMENT	LEVEL SETTING DIAGRAM
A-1901-S4-001-R01	AX50135

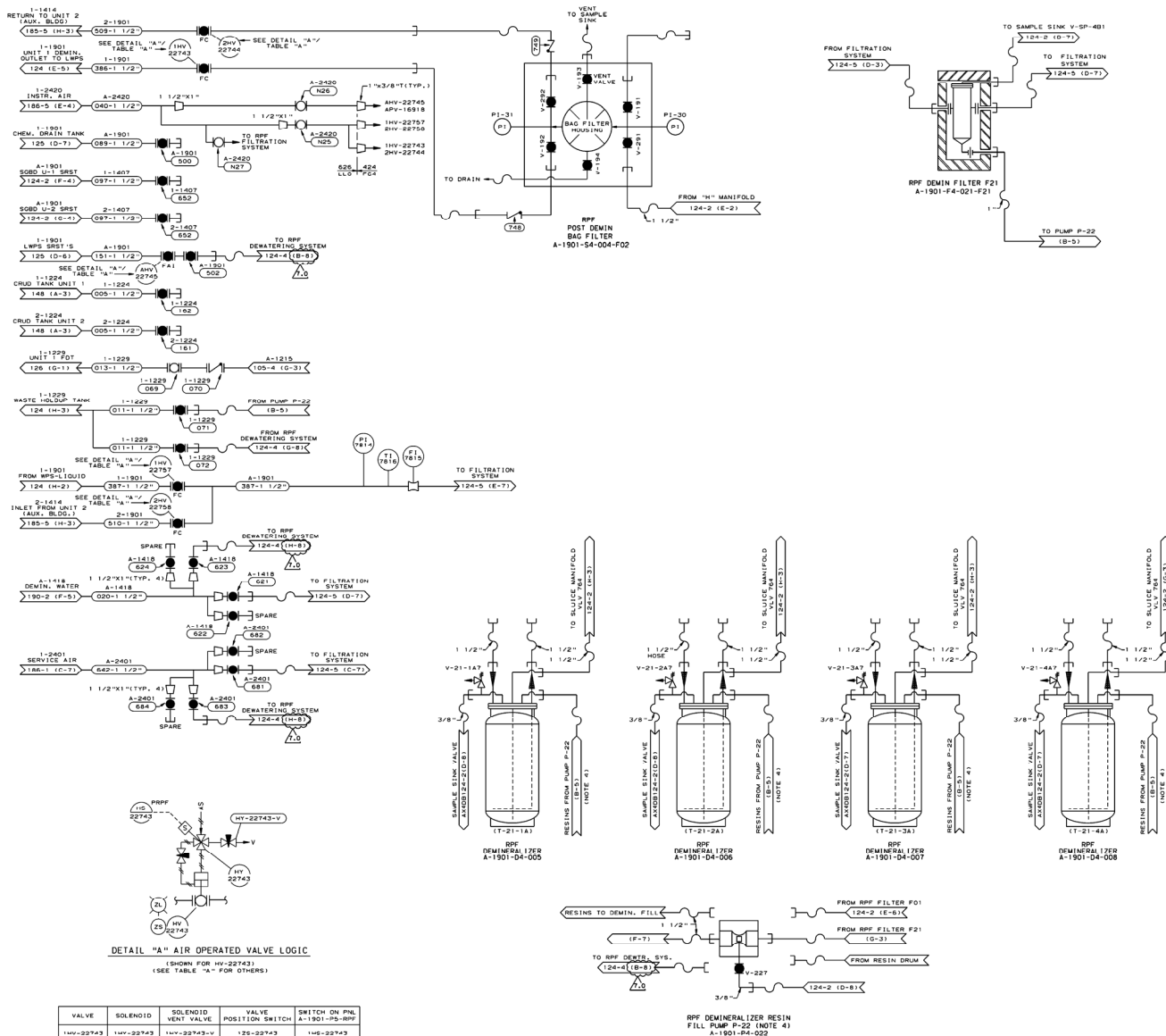
THIS DOCUMENT CONTAINS PROPRIETARY, CONFIDENTIAL, AND/OR TRADE SECRET INFORMATION OF THE SUBSIDIARIES OF THE SOUTHERN COMPANY OR OF THIRD PARTIES. IT IS INTENDED FOR USE ONLY BY EMPLOYEES OF, OR AUTHORIZED CONTRACTORS OF, THE SUBSIDIARIES OF THE SOUTHERN COMPANY. UNAUTHORIZED POSSESSION, USE, DISTRIBUTION,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

**SOUTHERN COMPANY SERVICES, INC.**  
BIRMINGHAM, ALABAMA

**GEORGIA POWER COMPANY**  
**ALVIN W. VOGTLE NUCLEAR PLANT**

**P & I DIAGRAM**  
**RADWASTE PROCESSING FACILITY**  
**DEMINERALIZER SYSTEM**  
SYSTEM NO. 1901

SCALE:	NONE	DRAWING NO.:	AX4DB124-2	VER.:	8.0
JOB NO.:	10604	DATE:	04/01/04	BY:	CHM (JMR)
SIZE:	E 34444	DWG CATEGORY:	CRITICAL		



DETAIL "A" AIR OPERATED VALVE LOGIC  
(SHOWN FOR HV-22743)  
(SEE TABLE "A" FOR OTHERS)

VALVE	SOLENOID	SOLENOID	POSITION SWITCH	SWITCH ON PNL
1HV-22743	1HV-22743	1HV-22743-V	12S-22743	1HS-22743
2HV-22744	2HV-22744	2HV-22744-V	22S-22744	2HS-22744
4HV-22745	4HV-22745	4HV-22745-V	42S-22745	4HS-22745
1HV-22757	1HV-22757	1HV-22757-V	12S-22757	1HS-22757
2HV-22758	2HV-22758	2HV-22758-V	22S-22758	2HS-22758

TABLE "A"

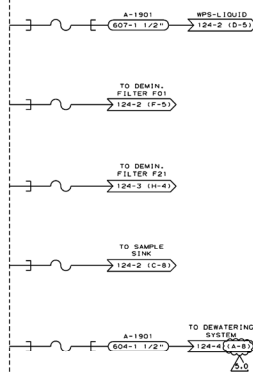
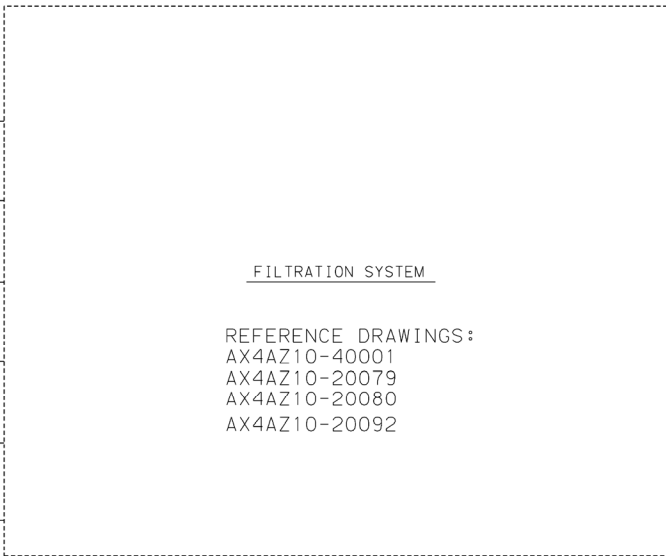
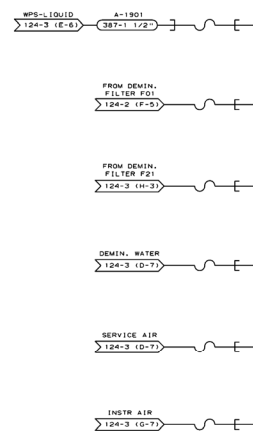
- NOTES:
1. INSTRUMENT NUMBERS ASSOCIATED WITH RPP POST DEMIN BAG FILTER (A-1901-F4-004-F02) AND DEMINERALIZER SAFETY VALVES ARE ASSIGNED BY VENDOR. NO TOOLIE INSTRUMENT NUMBERS HAVE BEEN ASSIGNED. THESE VENDOR INSTRUMENT NUMBERS ARE NOT LISTED IN DWG. AX34012-001.
  2. DELETED
  3. DELETED
  4. ALTERNATE SYSTEM CONFIGURATIONS/LINE-UPS ARE PROVIDED AS PART OF THIS SYSTEM DESIGN. THE ACTUAL CONFIGURATION WILL BE DETERMINED BY THE OPERATOR BASED ON THE SYSTEM MODE OF OPERATION.
  5. ACTUAL VALVE POSITIONS TO BE DETERMINED BY SYSTEM OPERATIONS PROCEDURE.

**SOUTHERN COMPANY SERVICES, INC.**  
BIRMINGHAM, ALABAMA  
**GEORGIA POWER COMPANY**  
**ALVIN W. VOGTLE NUCLEAR PLANT**  
**P & I DIAGRAM**  
**RADWASTE PROCESSING FACILITY**  
**DEMINERALIZER SYSTEM**  
**SYSTEM NO. 1901**

SCALE: NONE  
DRAWING NO. AX40B124-3  
VER. 7.0  
JOB NO. 10604  
DATE: 01/01/01  
SIZE: E 34444  
DWG CATEGORY: CRITICAL

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.





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.

NO.	REVISED PER ABN-V08181, VER. 1.0	6-1-10	Ysp	ELC	JMR
YEND/JUNK	DATE	CHK	APP		

**SOUTHERN COMPANY SERVICES, INC.**  
BIRMINGHAM, ALABAMA  
GEORGIA POWER COMPANY  
ALVIN W. VOGTLE NUCLEAR PLANT  
P & I DIAGRAM  
RADWASTE PROCESSING FACILITY  
FILTRATION SYSTEM  
SYSTEM NO. 1901

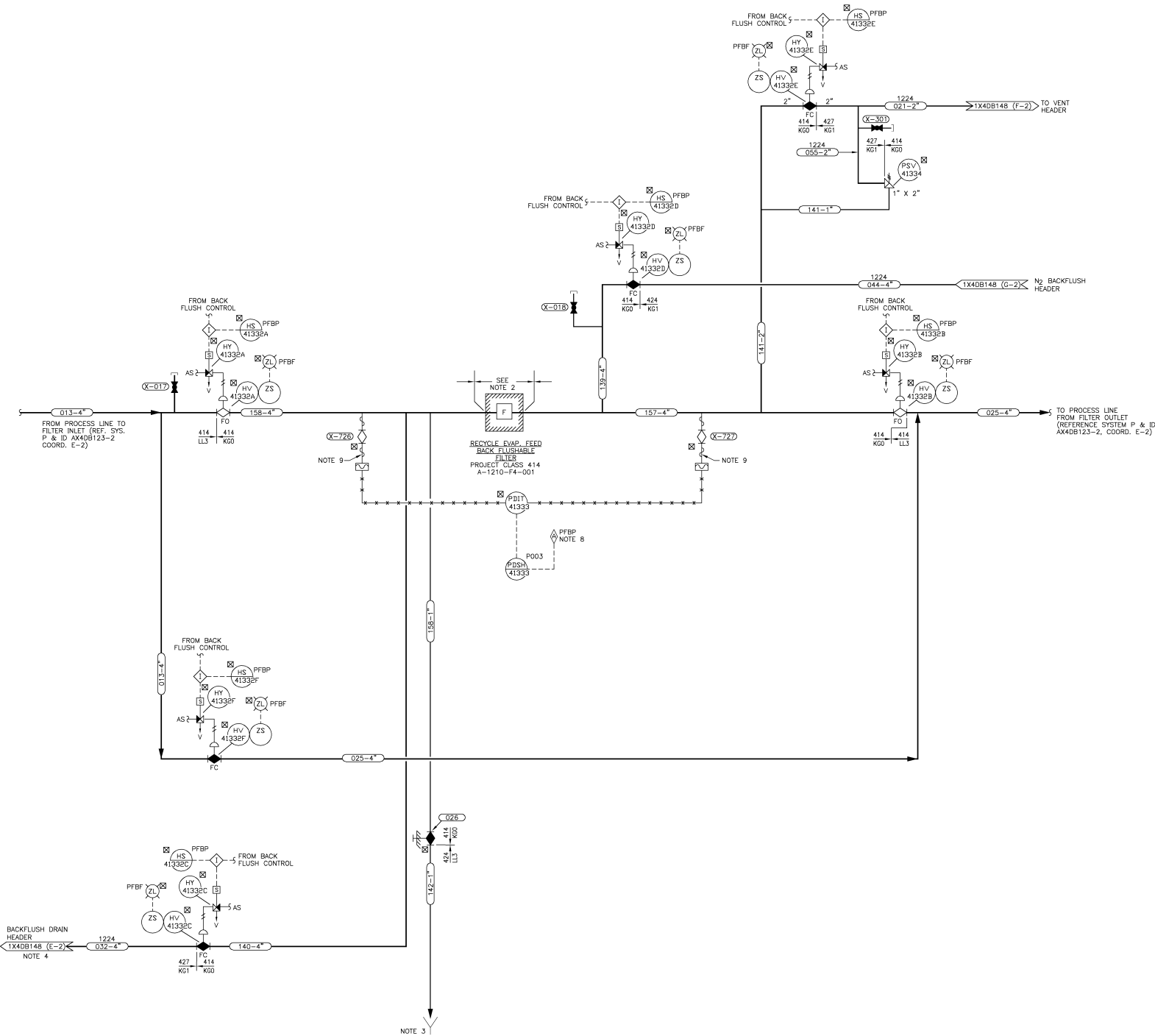
SCALE: NONE	DRAWING NO.	VER.
JOB NO. 10604	AX4DB124-5	5.0

1 DWG CATEGORY: CRITICAL

H  
G  
F  
E  
D  
C  
B  
A

8 7 6 5 4 3 2 1





- NOTES:
1. FOR DRAIN HEADER INFORMATION SEE 1X4DB143 AND 1X4DB144-1.
  2. ALL EQUIPMENT, VALVES AND INSTRUMENTATION SHALL BE SUPPLIED BY THE VENDOR. ALL INTERCONNECTING PIPING SHALL BE FURNISHED BY BECHTEL.
  3. SEE SYSTEM P & I DIAGRAM AX4DB123-2 FOR DRAINAGE SYSTEM.
  4. BACKFLUSH DRAIN LINES WILL SLOPE TO THE BACKFLUSHABLE FILTER CRUD TANK WITH NO POCKETS.
  5. RADIATION ZONE CLASSIFICATION FOR THE EQUIPMENT IN THIS SYSTEM IS RV.
  6. ALL LINES AND VALVES, REGARDLESS OF SIZE, SHALL BE BUTT-WELDED IN ORDER TO MINIMIZE CRUD TRAPS.
  7. SEE VENDOR DRAWINGS FOR DETAILS OF VALVES SHOWN WITH DIAPHRAGM ACTUATORS.
  8. THIS ALARM HAS A COMMON ANNUNCIATOR IN THE MAIN CONTROL ROOM.
  9. ABANDON HEAT TRACING IN PLACE ON ALL SYSTEM 1210 LINES.
  10. BACKFLUSHABLE FILTER A-1210-F4-001 HAS BEEN GUTTED AND USED FOR PIPING.

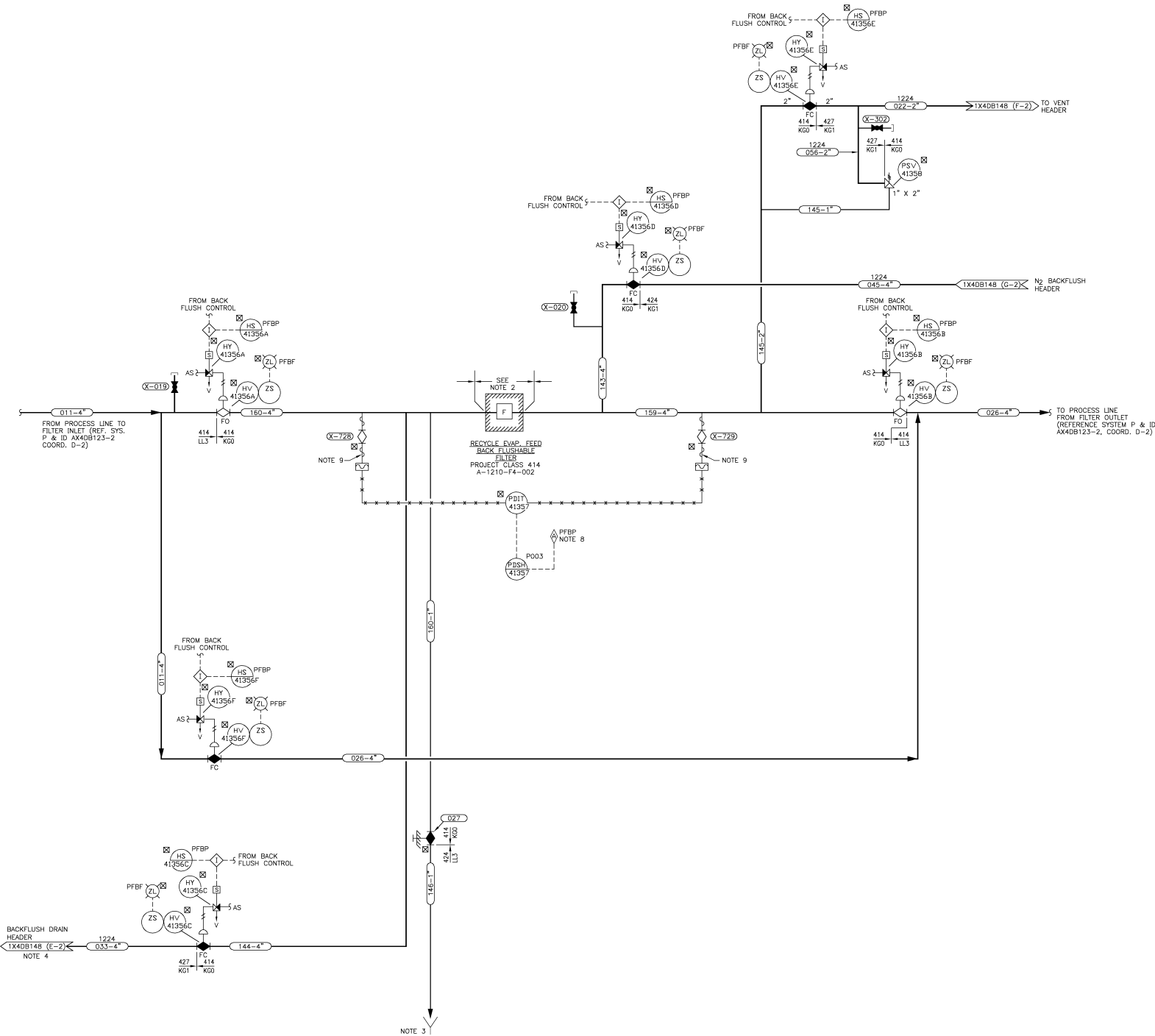
GEORGIA POWER COMPANY	
ALVIN W. VOGTLE NUCLEAR PLANT	
P & I DIAGRAM	
RECYCLE EVAPORATOR FEED BACKFLUSHABLE	
FILTER SYSTEM SYSTEM NO. 1210	
SCALE: NONE	DRAWING NO. AX4DB148-5
VER. 1.0	DATE 10-27-00

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.

NO.	1.0	REDRAWN PER ABN-V70141, VER. 1.0	DATE	10-27-00	DR	CYN	LCP	SHS	X
VER.	1.0	REVISIONS	DATE	10-27-00	CHK	APPV	DTL	SEE E	34X44

SCALE: NONE	DRAWING NO. AX4DB148-5	VER. 1.0
JOB NO.10604	DATE 10-27-00	CHK APPV

DRAWING CATEGORY: CRITICAL



- NOTES:
1. FOR DRAIN HEADER INFORMATION SEE 1X4DB143 AND 1X4DB144-1.
  2. ALL EQUIPMENT, VALVES AND INSTRUMENTATION SHALL BE SUPPLIED BY THE VENDOR. ALL INTERCONNECTING PIPING SHALL BE FURNISHED BY BECHTEL.
  3. SEE SYSTEM P & I DIAGRAM AX40B123-2 FOR DRAINAGE SYSTEM.
  4. BACKFLUSH DRAIN LINES WILL SLOPE TO THE BACKFLUSHABLE FILTER CRUD TANK WITH NO POCKETS.
  5. RADIATION ZONE CLASSIFICATION FOR THE EQUIPMENT IN THIS SYSTEM IS RV.
  6. ALL LINES AND VALVES, REGARDLESS OF SIZE, SHALL BE BUTT-WELDED IN ORDER TO MINIMIZE CRUD TRAPS.
  7. SEE VENDOR DRAWINGS FOR DETAILS OF VALVES SHOWN WITH DIAPHRAGM ACTUATORS.
  8. THIS ALARM HAS A COMMON ANNUNCIATOR IN THE MAIN CONTROL ROOM.
  9. ABANDON HEAT TRACING IN PLACE ON ALL SYSTEM 1210 LINES.
  10. BACKFLUSHABLE FILTER A-1210-F4-002 HAS BEEN GUTTED AND USED FOR PIPING.

**SOUTHERN COMPANY**  
GEORGIA POWER COMPANY  
ALVIN W. VOGTLE NUCLEAR PLANT  
P & I DIAGRAM  
RECYCLE EVAPORATOR FEED BACKFLUSHABLE  
FILTER SYSTEM SYSTEM NO. 1210

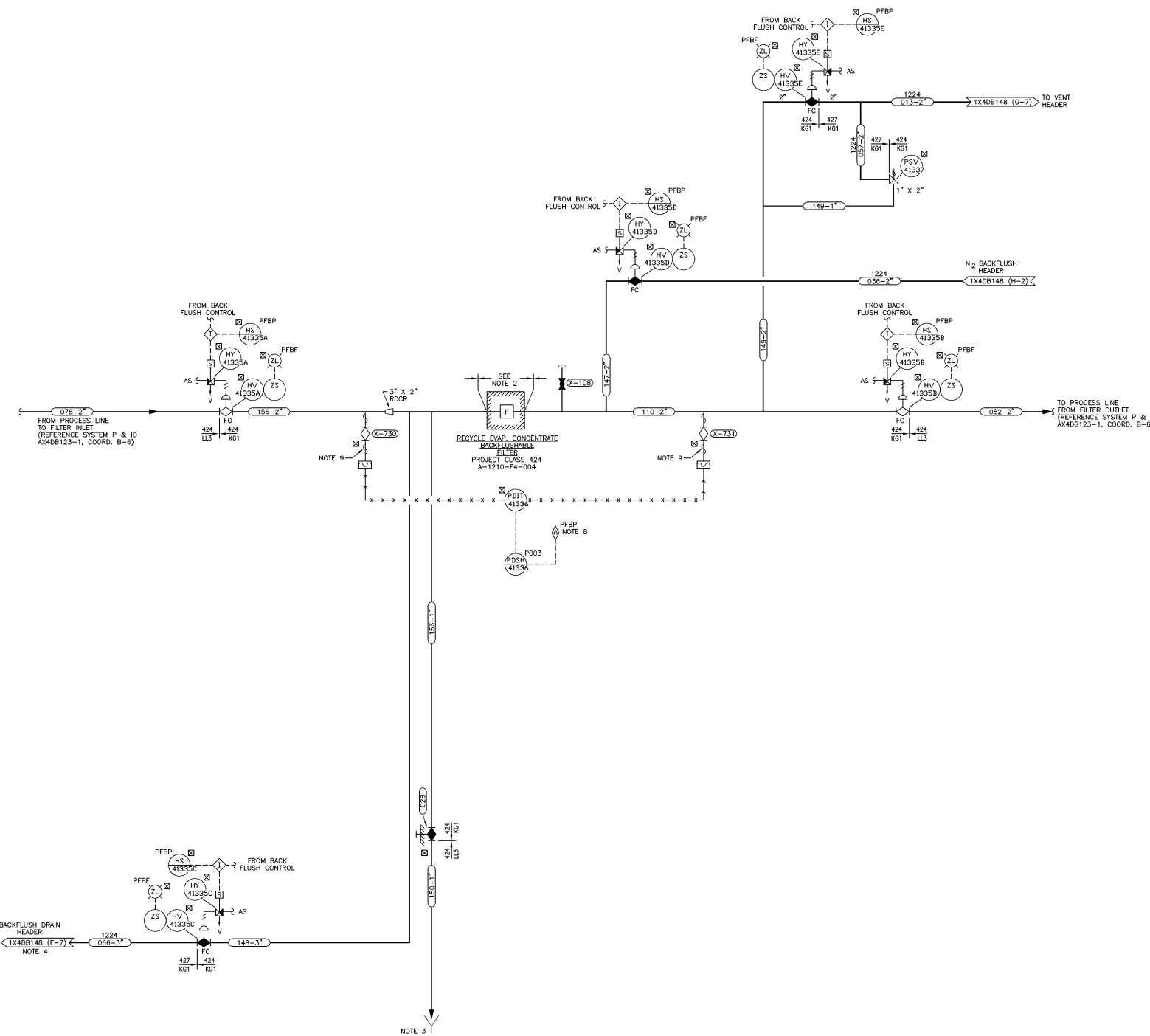
CAD AX4DB148-6  
ACAD2004 CYN - 01

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.

NO.	REVISIONS	DATE	DR	CHK	APPV	DTL	SHS	LCP	CYN	VER
1.0	REDRAWN PER ABN-V07041, VER. 1.0	10-27-09					X			

SCALE:	DRAWING NO.	VER.
NONE	AX4DB148-6	1.0

JOB NO.10604  
DRAWING CATEGORY: CRITICAL



- NOTES:
1. FOR DRAIN HEADER INFORMATION SEE DWG. 1X4DB143 AND 1X4DB144-1.
  2. ALL EQUIPMENT, VALVES, AND INSTRUMENTATION SHALL BE SUPPLIED BY THE VENDOR. ALL INTERCONNECTING PIPING SHALL BE FURNISHED BY BECHTEL.
  3. SEE SYSTEM P & I DIAGRAM AX4DB123-1 FOR DRAINAGE SYSTEM.
  4. BACKFLUSH DRAIN LINES WILL SLOPE TO THE BACKFLUSHABLE FILTER CRUD TANK WITH NO POCKETS.
  5. RADIATION ZONE CLASSIFICATION FOR THE EQUIPMENT IN THIS SYSTEM IS RV.
  6. ALL LINES AND VALVES, REGARDLESS OF SIZE, SHALL BE BUTT-WELDED IN ORDER TO MINIMIZE CRUD TRAPS.
  7. SEE VENDOR DRAWINGS FOR DETAILS OF VALVES SHOWN WITH DIAPHRAGM ACTUATORS.
  8. THIS ALARM HAS A COMMON ANNUNCIATOR IN THE MAIN CONTROL ROOM.
  9. ABANDON HEAT TRACING IN PLACE ON ALL SYSTEM 1210 LINES.
  10. FILTER IS RETIRED IN PLACE.

 SOUTHERN COMPANY

GEORGIA POWER COMPANY  
ALVIN W. VOGTLE NUCLEAR PLANT

P & I DIAGRAM  
RECYCLE EVAPORATOR CONCENTRATE  
BACKFLUSHABLE FILTERS SYSTEM  
SYSTEM NO. 1210

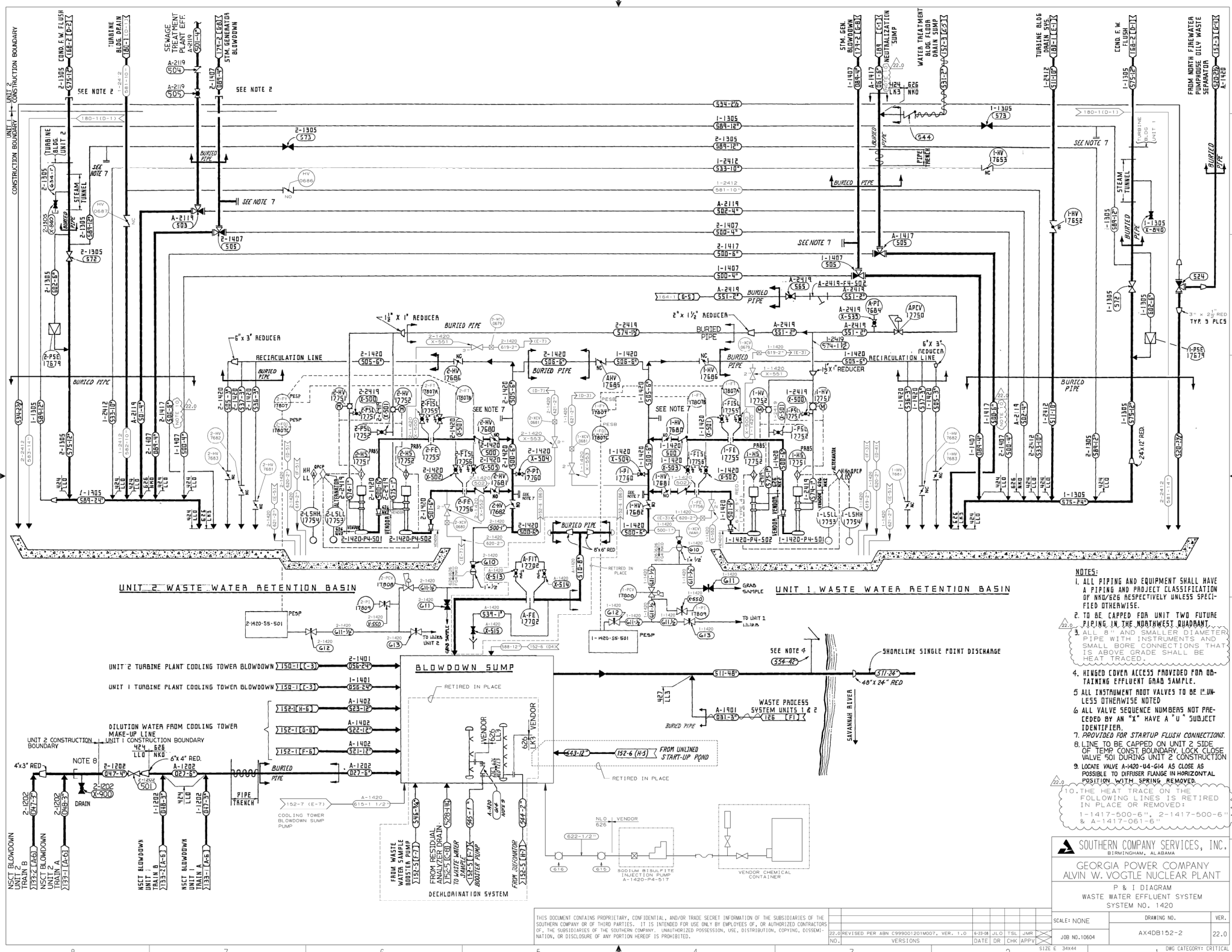
SCALE: NONE	DRAWING NO.	VER.
	AX4DB148-7	1.0

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.

CAD AX4DB148-7		ACAD2004		NJ - 01	
NO.	VERSIONS	DATE	DR	CHK	APPV
1.0	REDRAWN PER ABN-170114, VER. 1.0	08/21/08	NJ	LCF	SHS
					DTL

SCALE: NONE  
DRAWING NO. AX4DB148-7  
VER. 1.0

DRAWING CATEGORY: CRITICAL



- NOTES:**
1. ALL PIPING AND EQUIPMENT SHALL HAVE A PIPING AND PROJECT CLASSIFICATION OF NND/626 RESPECTIVELY UNLESS SPECIFIED OTHERWISE.
  2. TO BE CAPPED FOR UNIT TWO FUTURE PIPING IN THE NORTHWEST QUADRANT.
  3. ALL 8" AND SMALLER DIAMETER PIPE WITH INSTRUMENTS AND SMALL BORE CONNECTIONS THAT IS ABOVE GRADE SHALL BE HEAT TRACED.
  4. HINGED COVER ACCESS PROVIDED FOR OBTAINING EFFLUENT GRAB SAMPLE.
  5. ALL INSTRUMENT ROOT VALVES TO BE UNLESS OTHERWISE NOTED.
  6. ALL VALVE SEQUENCE NUMBERS NOT PRE-DEFINED BY AN "X" HAVE A "U" SUBJECT IDENTIFIER.
  7. PROVIDED FOR STARTUP FLUSH CONNECTIONS.
  8. LINE TO BE CAPPED ON 2 SIDE OF TEMP CONST BOUNDARY. LOCK CLOSE VALVE 501 DURING UNIT 2 CONSTRUCTION.
  9. LOCATE VALVE A-1401-14-014 AS CLOSE AS POSSIBLE TO DIFFUSER FLANGE IN HORIZONTAL POSITION WITH SPRING REMOVED.
  10. THE HEAT TRACE ON THE FOLLOWING LINES IS RETIRED IN PLACE OR REMOVED:  
1-1417-500-6", 2-1417-500-6"  
& A-1417-061-6"

**SOUTHERN COMPANY SERVICES, INC.**  
BIRMINGHAM, ALABAMA

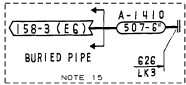
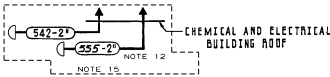
**GEORGIA POWER COMPANY**  
**ALVIN W. VOGTLE NUCLEAR PLANT**

P & I DIAGRAM  
WASTE WATER EFFLUENT SYSTEM  
SYSTEM NO. 1420

SCALE: NONE	DRAWING NO.	VER.
22.0	AX40B152-2	22.0
NO.	JOB NO. 10604	ONE CATEGORY: CRITICAL
VERSIONS	DATE	DR
22.0	REVISED PER AEN C99001201M007, VER. 1.0	8-23-98 JLO TSL JMR
22.0	REVISED PER AEN C99001201M007, VER. 1.0	8-23-98 JLO TSL JMR

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.

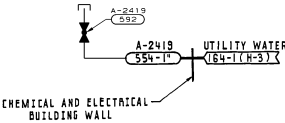




GENERAL NOTES


- 1. DELETED
- 2. DELETED
- 3. DELETED
- 4. DELETED
- 5. DELETED
- 6. DELETED
- 7. DELETED
- 8. DELETED
- 9. DELETED
- 10. DELETED
- 11. DELETED
- 12. FIELD TO INSTALL INSECT SCREENS ON ALL VENTS.
- 13. DELETED
- 14. DELETED
- 15. "RETIRED IN PLACE"

16. THE HEAT TRACE HAS BEEN RETIRED IN PLACE. HEAT TRACE CAN BE REMOVED.



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.

12.0	REV.	PER	ABN	C999001201	MODS.	VER.	2.0	6/24/08	JLO	TSL	JMR				
VERSIONS										DATE	DR	CHK	APPV		

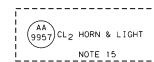
SOUTHERN COMPANY SERVICES, INC.  
BIRMINGHAM, ALABAMA


GEORGIA POWER COMPANY  
ALVIN W. VOGTLE NUCLEAR PLANT

P & I DIAGRAM  
CIRC. WATER CHEMICAL INJ. SYS.  
SYSTEM NO. 1410

SCALE: NONE	DRAWING NO.	VER.
JOB NO.10604	AX4DB158-1	12.0

DRAWING CATEGORY: CRITICAL



	SOUTHERN COMPANY SERVICES, INC. BIRMINGHAM, ALABAMA
	GEORGIA POWER COMPANY ALVIN W. VOGTLE NUCLEAR PLANT
	P & I DIAGRAM CIRC. WATER CHEMICAL INJ. SYS. SYSTEM NO. 1410

SCALE: NONE	DRAWING NO.	VER.
JOB NO. 10604	AX4DB158-3	11.0

SIZE E 34x44

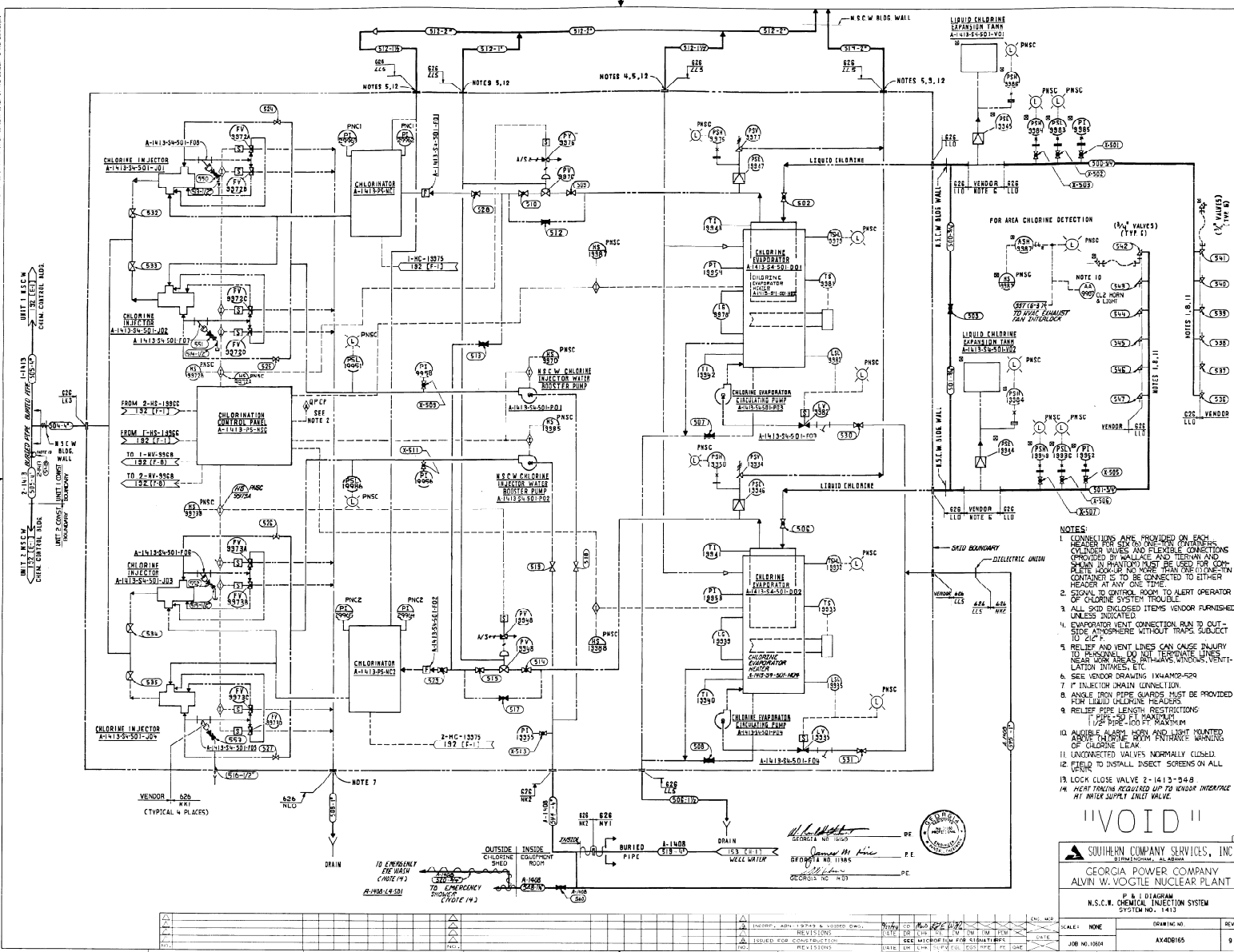
1 DWG. CATEGORY: CRITICAL

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 CONTRACTOR OF, THE SUBSIDIARIES OF THE SOUTHERN COMPANY. UNAUTHORIZED POSSESSION, USE, DISTRIBUTION, COPYING, DISSEMINATION, OR DISCLOSURE OF ANY PORTION HEREOF IS PROHIBITED.

11.0	REVISED PER ABN C999001201M006, VER. 2.0	6-23-08	JLO	TSL	JMR	
NO.	VERSIONS	DATE	DR	CHK	APPV	S
3						2

1	DWG. CATEGORY: CRITICAL
---	----------------------------

THIS DRAWING AND THE ACCOMPANYING NOTES ARE THE PROPERTY OF SOUTHERN COMPANY SERVICES, INC. THEY ARE NOT TO BE REPRODUCED, COPIED, LOANED, OR IN ANY MANNER USED WITHOUT THE WRITTEN CONSENT OF THE COMPANY. ANY VIOLATION OF THESE TERMS SHALL BE CONSIDERED A BREACH OF CONTRACT AND WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.



- NOTES:**
1. CONNECTIONS ARE PROVIDED ON EACH VENDOR PIPING TO PROVIDE FOR FLEXIBLE CONNECTIONS TO WALLS AND THERM AND SHOWN IN PIPING MUST BE USED FOR CONNECTIONS TO THE VENDOR PIPING. THE CONTAINER IS TO BE CONNECTED TO EITHER VENDOR AT ANY ONE TIME.
  2. SIGNAL TO CONTROL ROOM TO ALERT OPERATOR OF CHLORINE SYSTEM TROUBLE.
  3. ALL S.O.D. EXPOSED ITEMS VENDOR FURNISHED UNLESS INDICATED.
  4. EVAPORATOR VENT CONNECTION RUN TO OUTSIDE AT CONDUIT WITHOUT TRAPS SUBJECT TO 212 F.
  5. RELIEF AND VENT LINES CAN CAUSE INJURY TO PERSONNEL DO NOT REMOVE VENT LINES, REPAIR WORK, OR MORE THAN ONE CONNECTION AT ANY ONE TIME.
  6. SEE VENDOR DRAWING 1413-S-520.
  7. IF INJECTOR DRAIN CONNECTION.
  8. ANGLE IRON PIPE GUARDS MUST BE PROVIDED FOR LIQUID CHLORINE PRESSURE.
  9. RELIEF PIPE LENGTH RESTRICTIONS: 1/2" PIPE - 100 FT MAXIMUM; 1" PIPE - 100 FT MAXIMUM.
  10. AUDIBLE ALARM HORN AND LIGHT MOUNTED ABOVE TANKING ROOM ENTRANCE WARNING OF CHLORINE LEAK.
  11. UNCONVERTED VALVES NORMALLY CLOSED.
  12. FIELD TO INSTALL INSECT SCREENS ON ALL GASKETS.
  13. LOCK CLOSE VALVE 2-1413-548.
  14. HIGH TANKING REQUIRED UP TO WOODS INTERPALLE AT WATER SUPPLY INLET VALVE.

"VOID"

SOUTHERN COMPANY SERVICES, INC.  
BIRMINGHAM, ALABAMA

GEORGIA POWER COMPANY  
ALVIN W. VOGTLE NUCLEAR PLANT

P & ID DIAGRAM  
N.S.C.W. CHEMICAL INJECTION SYSTEM  
SYSTEM NO. 1413

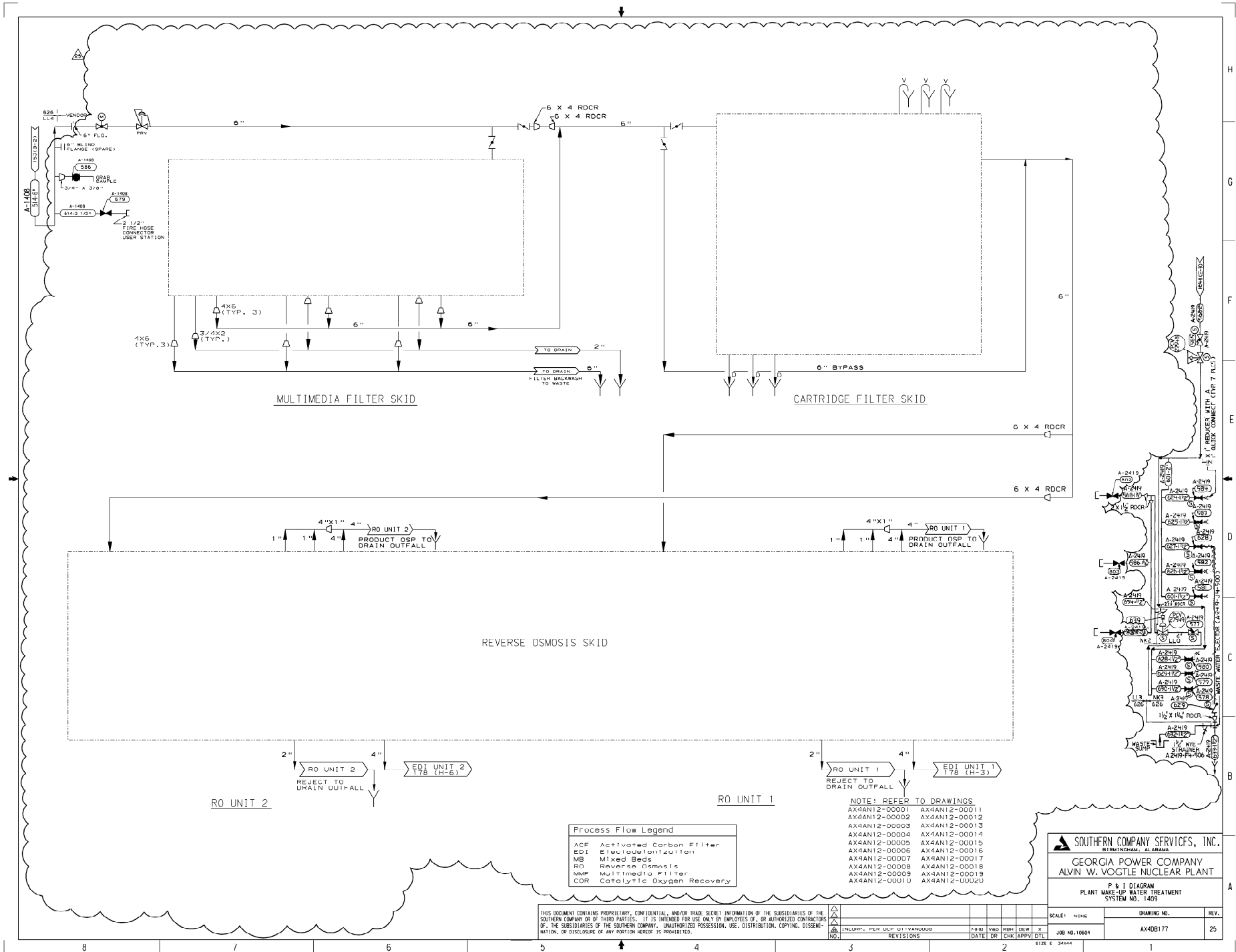
REV.	DATE	BY	CHKD.	APP'D.	DESCRIPTION
1	08/08/84	AX400/ES			ISSUED FOR CONSTRUCTION

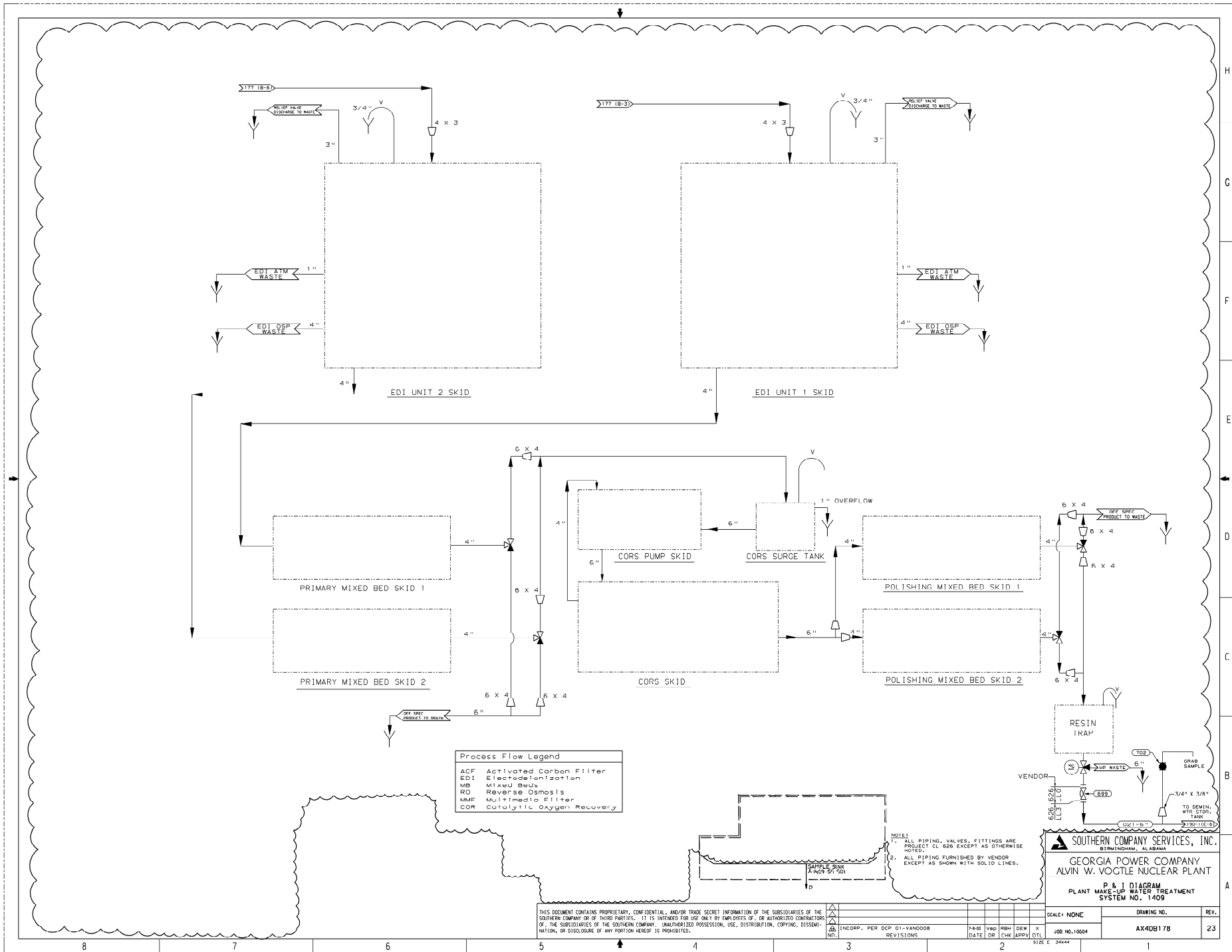












THIS DOCUMENT CONTAINS PROPRIETARY, CONFIDENTIAL, AND/OR TRADE SECRET INFORMATION OF THE SUBSIDIARIES OF THE SOUTHERN COMPANY OR OF THIRD PARTIES. IT IS INTENDED FOR USE ONLY BY EMPLOYEES OF, OR AUTHORIZED CONTRACTORS OF, THE SUBSIDIARIES OF THE SOUTHERN COMPANY. UNAUTHORIZED POSSESSION, USE, DISTRIBUTION,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

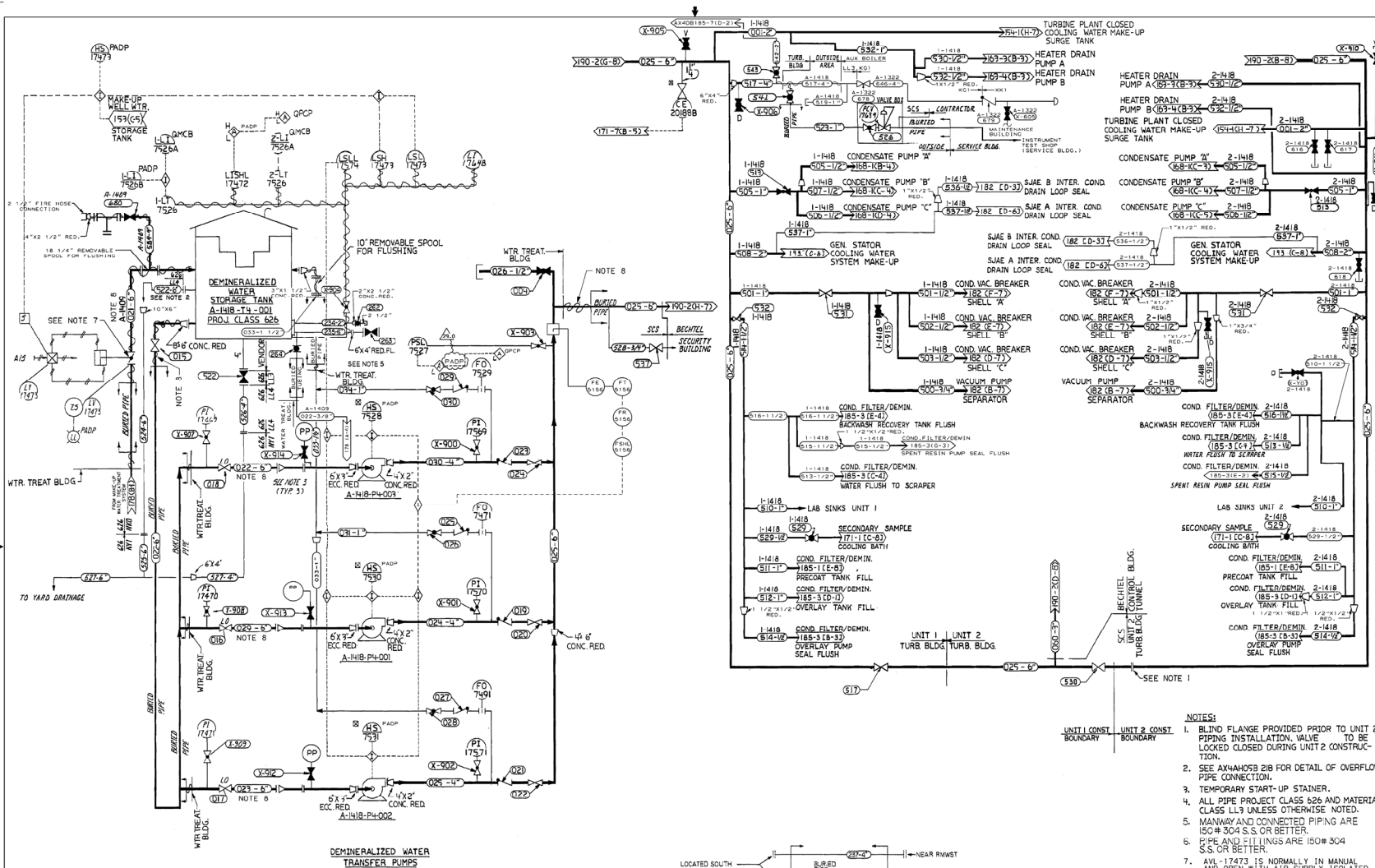
NO.	REVISIONS	DATE	BY	CHK	APPV	DTL	SIZE
1	INCORP. PER DCP 01-VANDOOB						3/4" x 1/2"

**SOUTHERN COMPANY SERVICES, INC.**  
BIRMINGHAM, ALABAMA

**GEORGIA POWER COMPANY**  
**ALVIN W. VOGTLE NUCLEAR PLANT**  
**P & I DIAGRAM**  
**PLANT MAKE-UP WATER TREATMENT**  
**SYSTEM NO. 1409**

SCALE	DRAWING NO.	REV.
NONE	AX40B178	23

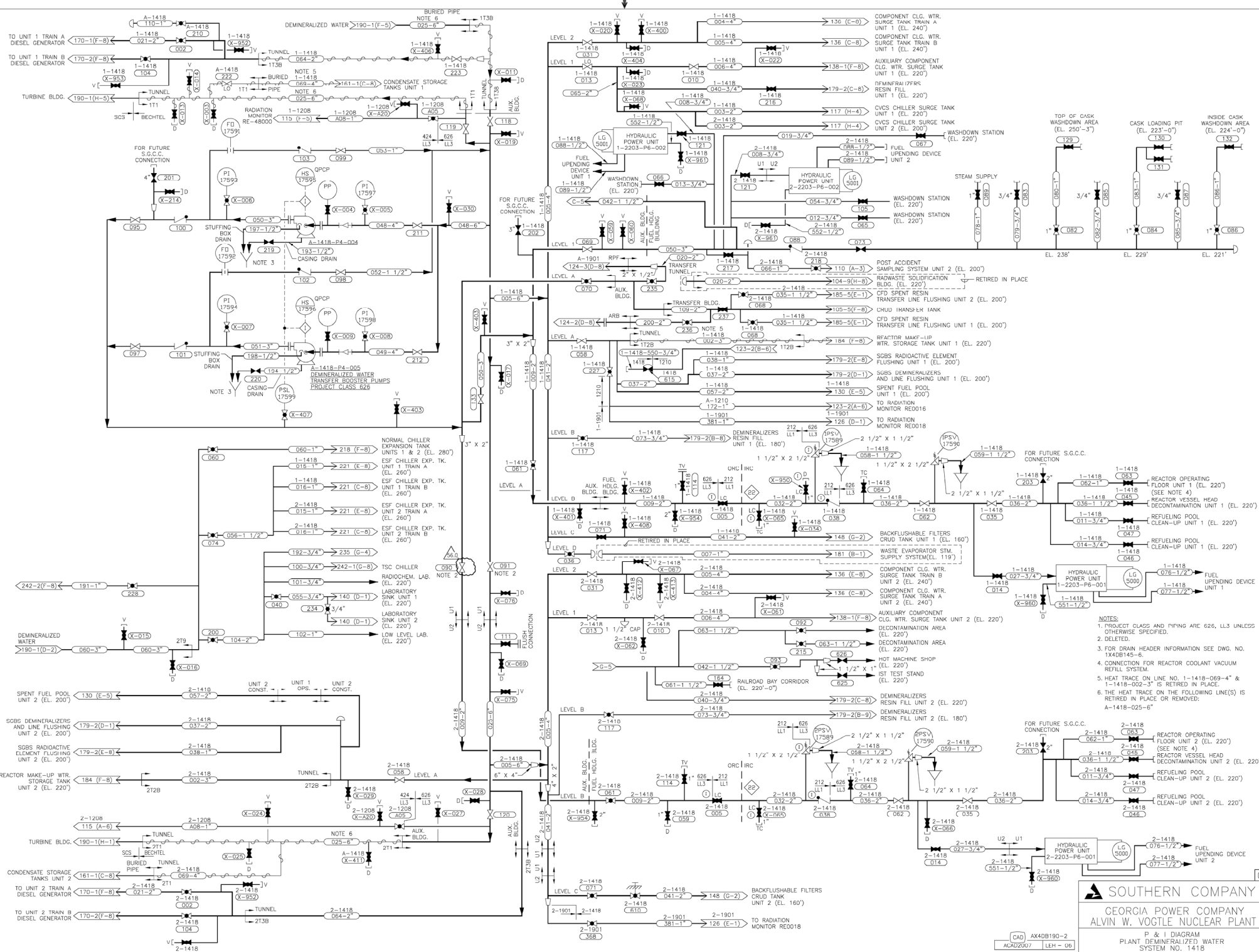




- NOTES:
1. BLIND FLANGE PROVIDED PRIOR TO UNIT 2 PIPING INSTALLATION. VALVE TO BE LOCKED CLOSED DURING UNIT 2 CONSTRUCTION.
  2. SEE AX44058 218 FOR DETAIL OF OVERFLOW PIPE CONNECTION.
  3. TEMPORARY START-UP STAINER.
  4. ALL PIPE PROJECT CLASS 626 AND MATERIAL CLASS LL3 UNLESS OTHERWISE NOTED.
  5. MANWAY AND CONNECTED PIPING ARE 150# 304 S.S. OR BETTER.
  6. PIPE AND FITTINGS ARE 150# 304 S.S. OR BETTER.
  7. AVL-17473 IS NORMALLY IN MANUAL AND OPEN WITH AIR SUPPLY ISOLATED.
  8. THE HEAT TRACE ON THE FOLLOWING LINES IS RETIRED IN PLACE OR REMOVED:  
A-1418-022-6", A-1418-023-6",  
A-1418-029-6", A-1418-029-6" &  
A-1409-021-6"

SOUTHERN COMPANY SERVICES, INC.  
 GEORGIA POWER COMPANY  
 ALVIN W. VOGTLE NUCLEAR PLANT  
 P & I DIAGRAM  
 PLANT DEMINERALIZED WATER  
 SYSTEM NO. 1418 SHEET 1

THIS DOCUMENT CONTAINS PROPRIETARY, CONFIDENTIAL, AND/OR TRADE SECRET INFORMATION OF THE SUBSIDIARIES OF THE SOUTHERN COMPANY OR OF THIRD PARTIES. IT IS LOANED 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.				SCALE: NONE				DRAWING NO. VER.			
REVISIONS				JOB NO. 10004				AX440190-1			
DATE OR CHK APPY				SIZE 8 3/4" X 11"				DRAWING CATEGORY			
NO.				29.0							

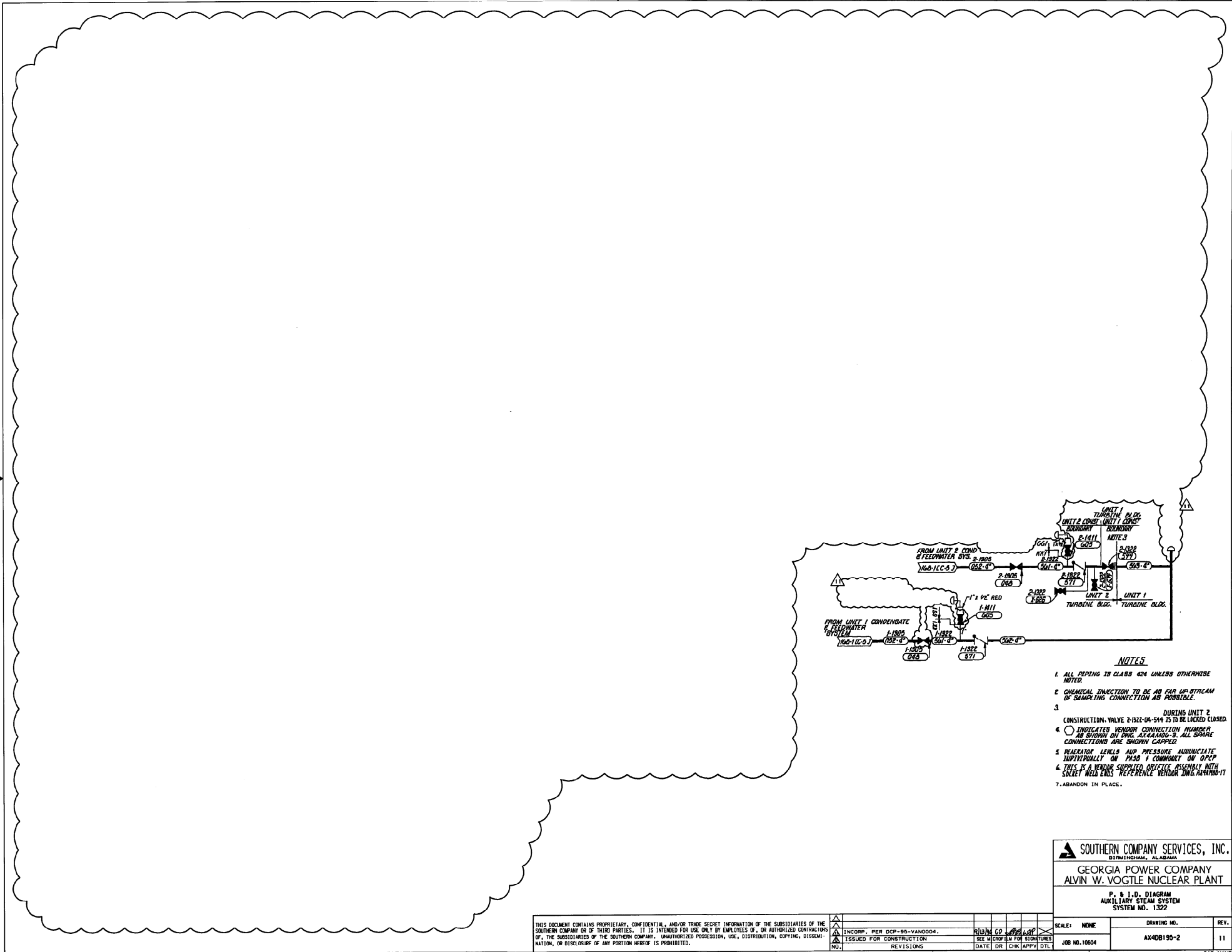


- NOTES:
- PROJECT CLASS AND PIPING ARE 626, LL3 UNLESS OTHERWISE SPECIFIED.
  - DELETED.
  - FOR DRAIN HEADER INFORMATION SEE DWG. NO. 144DB145-6.
  - CONNECTION FOR REACTOR COOLANT VACUUM REFILL SYSTEM.
  - HEAT TRACE ON LINE NO. 1-1418-069-4" & 1-1418-002-3" IS RETIRED IN PLACE.
  - THE HEAT TRACE ON THE FOLLOWING LINE(S) IS RETIRED IN PLACE OR REMOVED:  
A-1418-025-6"

**SOUTHERN COMPANY**  
GEORGIA POWER COMPANY  
ALVIN W. VOGTLE NUCLEAR PLANT

PLANT DEMINERALIZED WATER  
SYSTEM NO. 1418





- NOTES**
1. ALL PIPING IS CLASS 424 UNLESS OTHERWISE NOTED.
  2. CHEMICAL INJECTION TO BE AS FAR UP-STREAM OF SAMPLING CONNECTION AS POSSIBLE.
  3. DURING UNIT 2 CONSTRUCTION, VALVE 2-1932-04-544 IS TO BE LOCKED CLOSED.
  4. INDICATES VENDOR CONNECTION NUMBER AS SHOWN ON VENDOR DRAWINGS. ALL SPARE CONNECTIONS ARE SHOWN CAPPED.
  5. REACTOR LEVELS AND PRESSURE ALUMINATE INDICATELY ON PMS 1 COMMONLY ON OPCS.
  6. THIS IS A VENDOR SUPPLIED DETAIL ASSEMBLY WITH SOCKET WELD ENDS. REFERENCE VENDOR Dwg. AN1000-11.
  7. ABANDON IN PLACE.

**SOUTHERN COMPANY SERVICES, INC.**  
BIRMINGHAM, ALABAMA

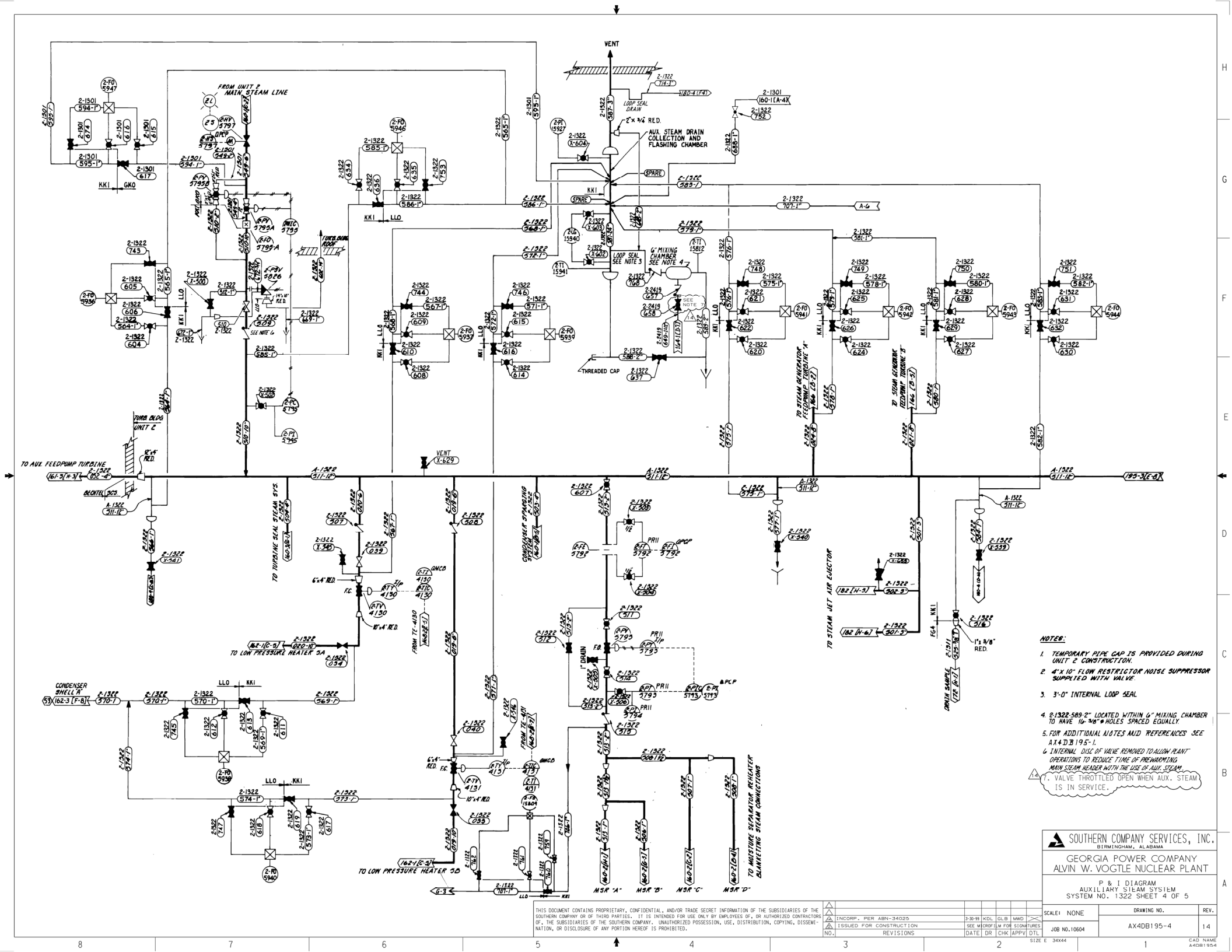
**GEORGIA POWER COMPANY**  
**ALVIN W. VOGTLE NUCLEAR PLANT**

**P. & I, D. DIAGRAM**  
**AUXILIARY STEAM SYSTEM**  
**SYSTEM NO. 1322**

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.										SCALE: NONE		DRAWING NO.		REV.					
INCORP. PER DCCP-00-1440004.										3/15/04		6/1/04		6/1/04					
ISSUED FOR CONSTRUCTION										SEE WORKBOOK FOR SCHEDULE		JOB NO. 10604		AX4DB195-2		11			
NO.										DATE		CHK		APPV		DTL			
REVISIONS										DATE		CHK		APPV		DTL			
5										4		3		2		1		CAD NAME A4DB1952	

CAD NAME  
A4DB1952





- NOTES:
1. TEMPORARY PIPE CAP IS PROVIDED DURING UNIT 2 CONSTRUCTION.
  2. 4" X 10" FLOW RESTRICTOR NOISE SUPPRESSOR SUPPLIED WITH VALVE.
  3. 3'-0" INTERNAL LOOP SEAL.
  4. 2-1322-589-2" LOCATED WITHIN 6" MIXING CHAMBER TO HAVE 16-3/8" HOLES SPACED EQUALLY.
  5. FOR ADDITIONAL NOTES AND REFERENCES SEE AX4DB195-1.
  6. INTERNAL DISC OF VALVE REMOVED TO ALLOW PLANT OPERATIONS TO REDUCE TIME OF PREWARMING MAIN STEAM HEADER WITH THE USE OF AUX. STEAM.
  7. VALVE THROTTLED OPEN WHEN AUX. STEAM IS IN SERVICE.

SOUTHERN COMPANY SERVICES, INC.  
BIRMINGHAM, ALABAMA  
GEORGIA POWER COMPANY  
ALVIN W. VOGTLE NUCLEAR PLANT

P & I DIAGRAM  
AUXILIARY STEAM SYSTEM  
SYSTEM NO. 1322 SHEET 4 OF 5

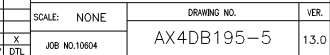
SCALE: NONE  
DRAWING NO. AX4DB195-4  
REV. 14

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.

NO.	REVISIONS	DATE	DR	CHK	APPV	DTL
1	INCORP. PER ABN-34025	3-30-99	KDL	GLB	MWD	
2	ISSUED FOR CONSTRUCTION					
3	SEE MICROFILM FOR SIGNATURES					
4						
5						

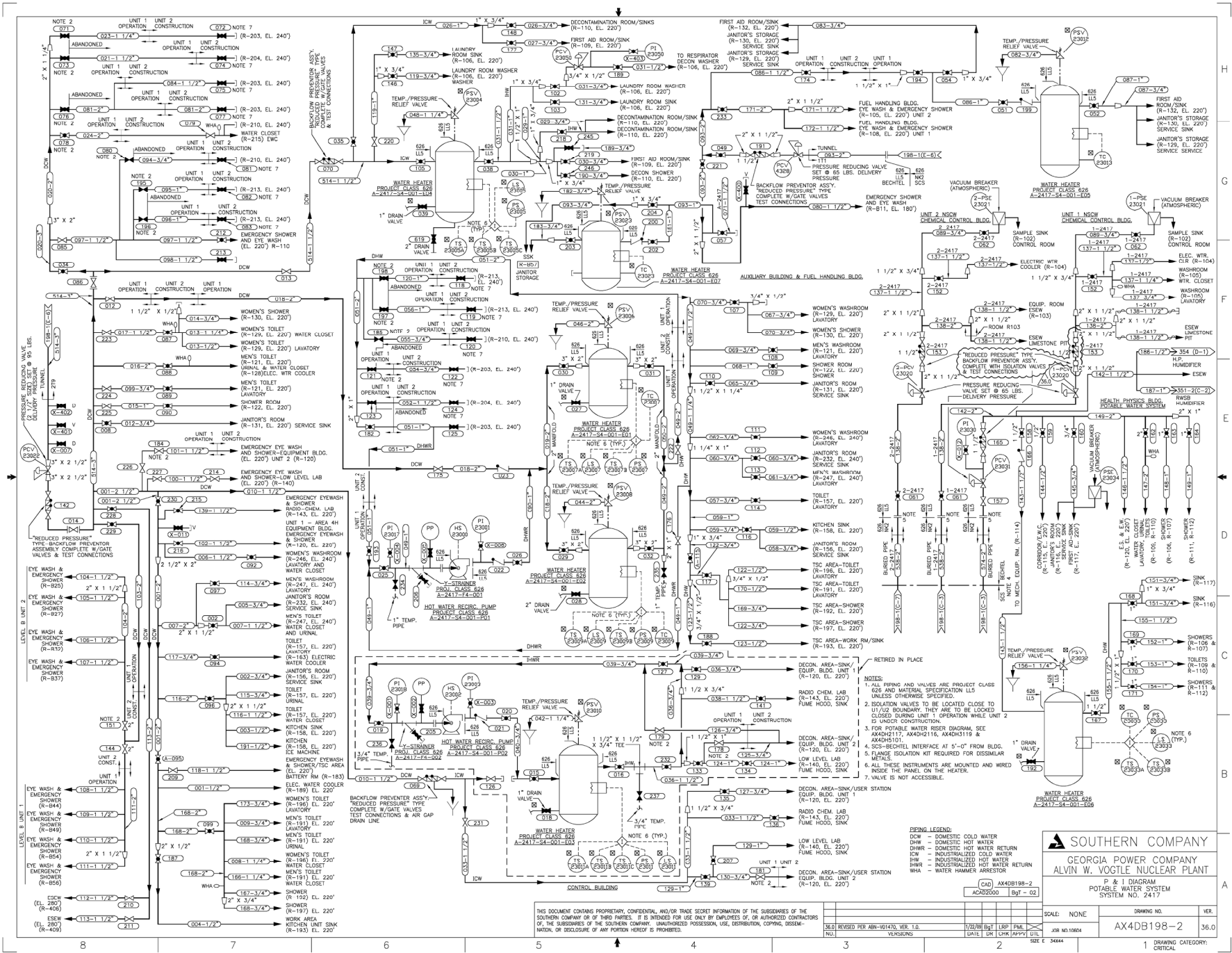


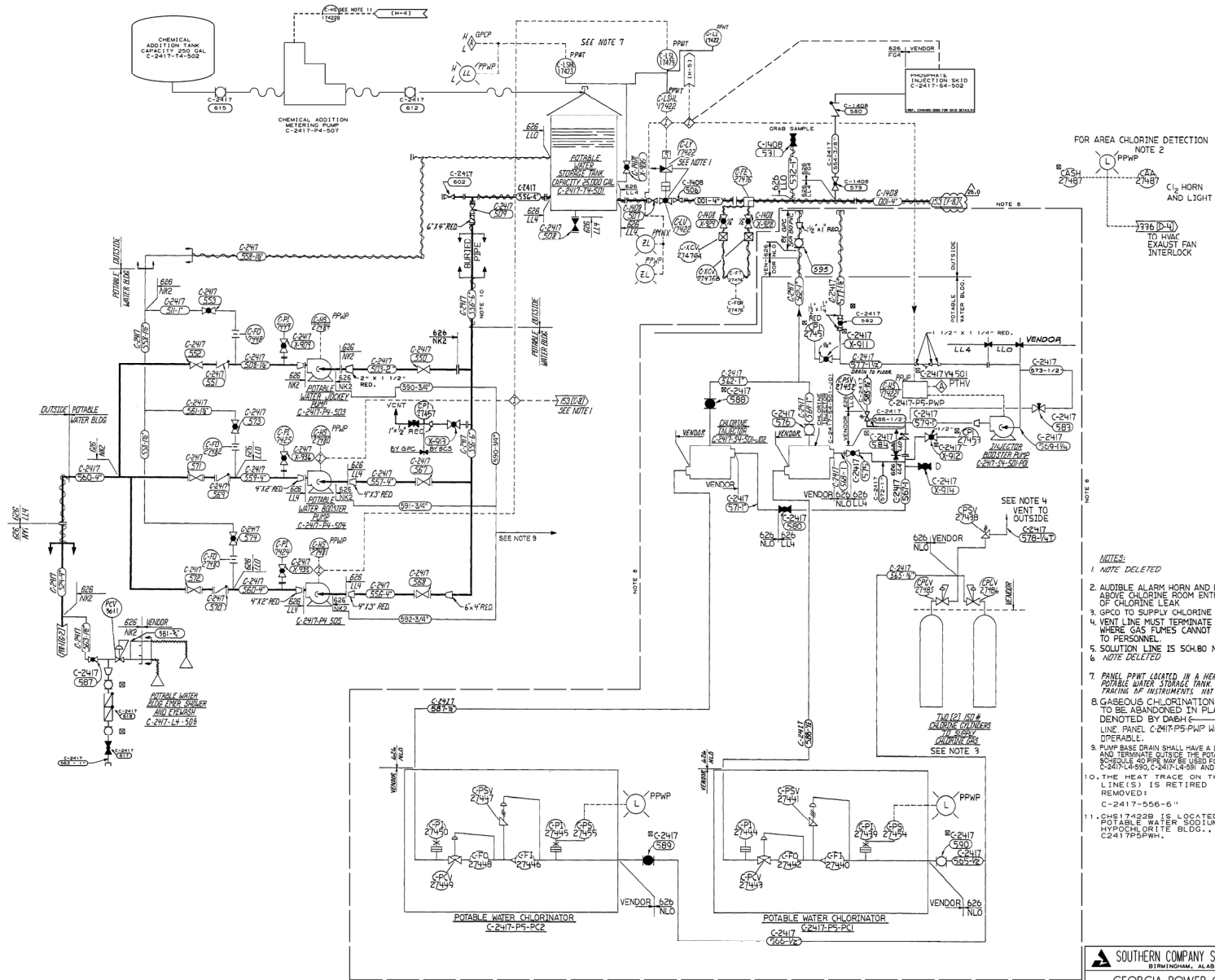
- A

[illegible]

1 DRAWING CATEGORY:







# NOTES:

- NOTE DELETED
- AUDIBLE ALARM HORN AND LIGHT MOUNTED ABOVE CHLORINE ROOM ENTRANCE WARNING OF CHLORINE LEAK
- GPCO TO SUPPLY CHLORINE CYLINDERS
- VENT LINE MUST TERMINATE IN AN AREA WHERE GAS FUMES CANNOT CAUSE INJURY TO PERSONNEL.
- SOLUTION LINE IS SCH-80 NLO.
- NOTE DELETED
- PANEL PPWP LOCATED IN A HEATED CABINET ON THE POTABLE WATER STORAGE TANK THEREFORE HEAT TRACING OF INSTRUMENTS NOT REQUIRED
- GASEOUS CHLORINATION EQUIPMENT TO BE ABANDONED IN PLACE SYSTEM DENOTED BY DASH (-) LINE. PANEL C-2417-PS-PWP WILL REMAIN OPENABLE.
- PUMP BASE DRAIN SHALL HAVE A DOWNWARD SLOPE AND TERMINATE OUTSIDE THE POTABLE WATER BLDG. SCHEDULE 40 PIPE MAY BE USED FOR LINE NOS. C-2417-L4-90, C-2417-L4-98 AND C-2417-L4-99.
- THE HEAT TRACE ON THE FOLLOWING LINE(S) IS RETIRED IN PLACE OR REMOVED:  
C-2417-556-6"
- CHS17422B IS LOCATED IN THE POTABLE WATER SODIUM HYPOCHLORITE BLDG.. PANEL C-2417-PS-PWH.

SOUTHERN COMPANY SERVICES, INC.  
BIRMINGHAM, ALABAMA

GEORGIA POWER COMPANY  
ALVIN W. VOGTLE NUCLEAR PLANT

P & I DIAGRAM  
POTABLE WATER SYSTEM  
NO. 2417

SCALE: NONE  
DRAWING NO. 2417

AX4DB198-3 26.0

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, COPIING, DISSEMINATION, OR DISCLOSURE OF ANY PORTION HEREOF IS PROHIBITED.

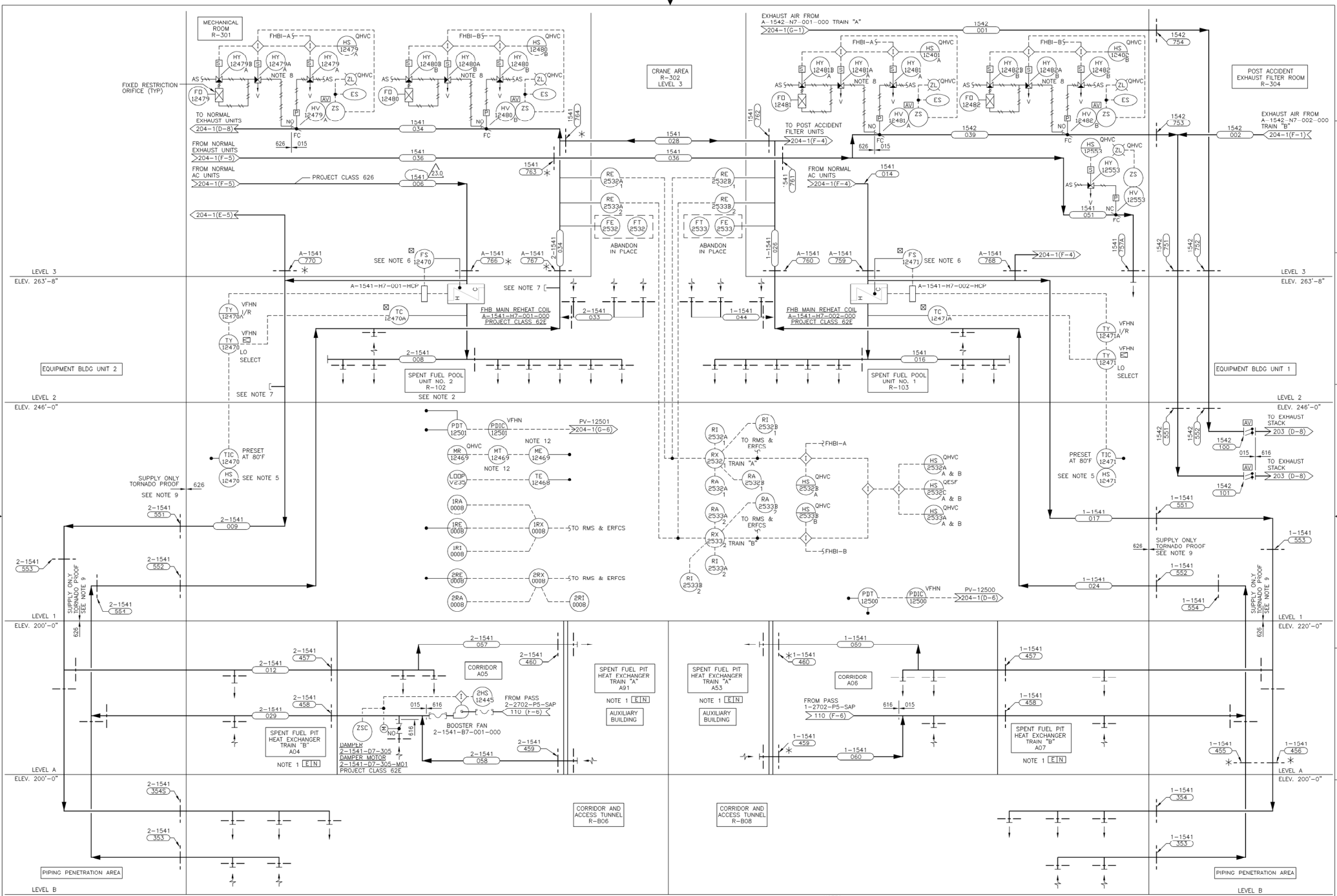
REVISIONS  
NO. 1  
REVISED PER ABN-V02537, VER. 1.0  
DATE 01/01/04  
BY 318-11 Bgt LRP RAN  
CHK 01/01/04

SIZE E 34444

DRAWING CATEGORY: CRITICAL







- NOTES: (CONTINUED)
- 7. FORMER DUCT TO AND FROM HOT MACHINE SHOP CAPPED PER DCP-88-VIE009.
  - 8. CONTROL AIR TO INFLATABLE SEAL ON BUBBLE-TIGHT DAMPER.
  - 9. DUCTWORK DESIGNATED AS TORNADO PROOF SHALL BE CONSIDERED IN ACCORDANCE WITH THE REQUIREMENTS OF AX2D67W001.
  - 10. \* DERATED FIRE DAMPER.
  - 11. DELETED.
  - 12. AMT-12469 & AME-12469 HAVE BEEN "ABANDONED IN PLACE".

- NOTES:
- 1. SPACE IS ALSO COOLED BY SYSTEM 1555, SEE P & ID 1X4DB228.
  - 2. EQUIPMENT SHOWN ON P & ID AX4DB204-1.
  - 3. ALL DUCTWORK IS PROJECT CLASS 015 UNLESS OTHERWISE NOTED.
  - 4. ALL DUCTWORK IS SYSTEM 1541 UNLESS OTHERWISE NOTED.
  - 5. HS-12470 AND HS-12471 ARE NORMALLY IN "OFF" POSITION AND MANUALLY SWITCHED TO "ON" DURING REFUELING OPERATIONS ONLY.
  - 6. INSTRUMENT IS FACTORY WIRED. WIRING CONNECTION IS SHOWN ONLY TO CLARIFY SYSTEM CONTROL INTERLOCK.

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

NO.	REVISION	DATE	BY	CHK	APPV	DTL
23.0	REVISED PER ABN-V03440, VER. 1.0	10/29/13	PVK	CJK	RKF	X

**SOUTHERN COMPANY**  
GEORGIA POWER COMPANY  
ALVIN W. VOGTLE NUCLEAR PLANT

P & I DIAGRAM  
FUEL HANDLING BUILDING  
HVAC SYSTEM  
SYSTEM NO. 1541 & 1542

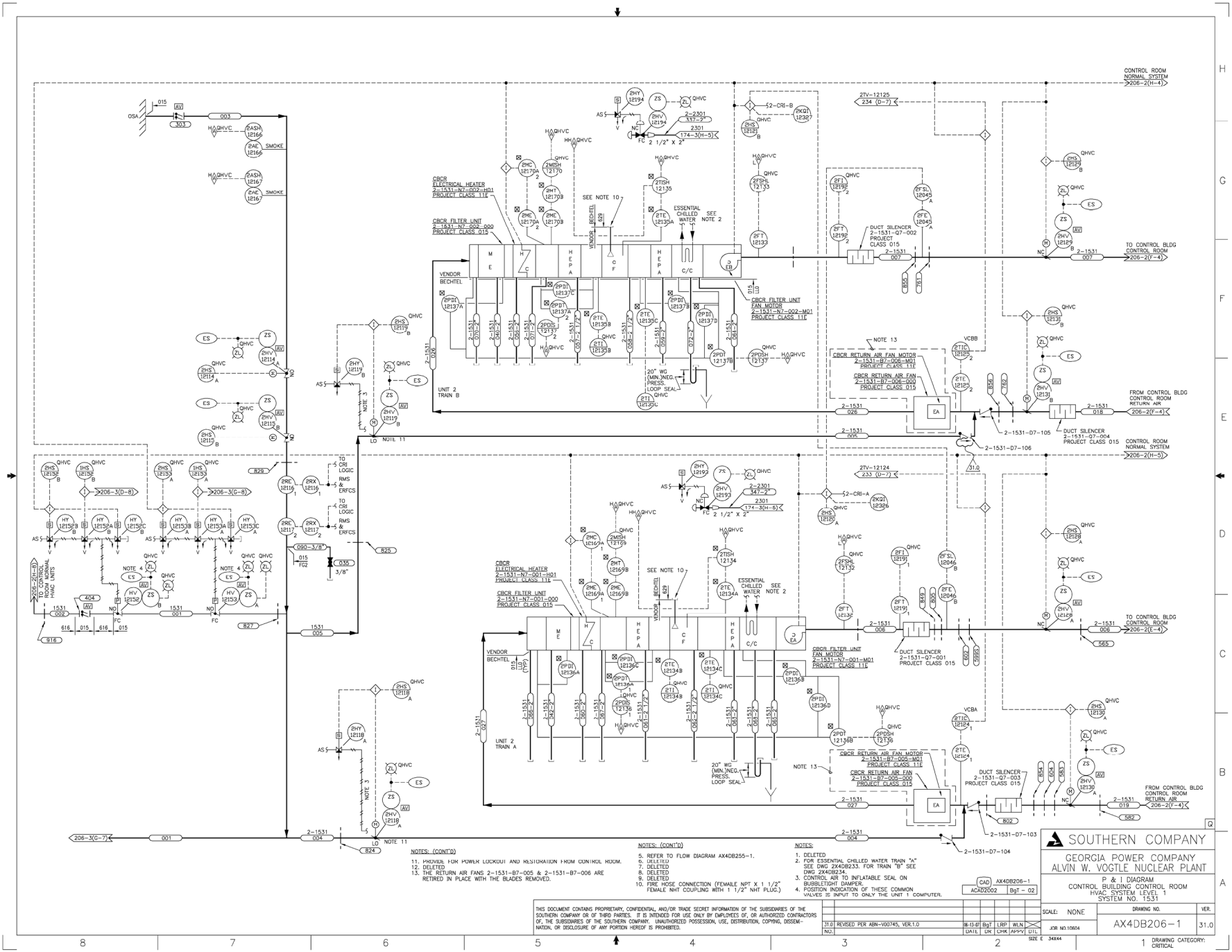
SCALE: NONE

DRAWING NO. AX4DB204-2

VER. 23.0

JOB NO. 10604

DRAWING CATEGORY: CRITICAL



NOTES: (CONT'D)  
11. PROVIDE FOR POWER LOCKOUT AND REPOSITION FROM CONTROL ROOM.  
12. DELETED  
13. THE RETURN AIR FANS 2-1531-B7-006 & 2-1531-B7-006 ARE RETIRED IN PLACE WITH THE BLADES REMOVED.

NOTES: (CONT'D)  
1. DELETED  
2. FOR ESSENTIAL CHILLED WATER TRAIN "A"  
3. DELETED  
4. DELETED  
5. DELETED  
6. DELETED  
7. DELETED  
8. DELETED  
9. DELETED  
10. FIRE HOSE CONNECTION (FEMALE NPT X 1 1/2" FEMALE NHT COUPLING WITH 1 1/2" NHT PLUG.)

NOTES:  
1. DELETED  
2. FOR ESSENTIAL CHILLED WATER TRAIN "A"  
3. DELETED  
4. DELETED  
5. DELETED  
6. DELETED  
7. DELETED  
8. DELETED  
9. DELETED  
10. FIRE HOSE CONNECTION (FEMALE NPT X 1 1/2" FEMALE NHT COUPLING WITH 1 1/2" NHT PLUG.)

**SOUTHERN COMPANY**  
GEORGIA POWER COMPANY  
ALVIN W. VOGTE NUCLEAR PLANT

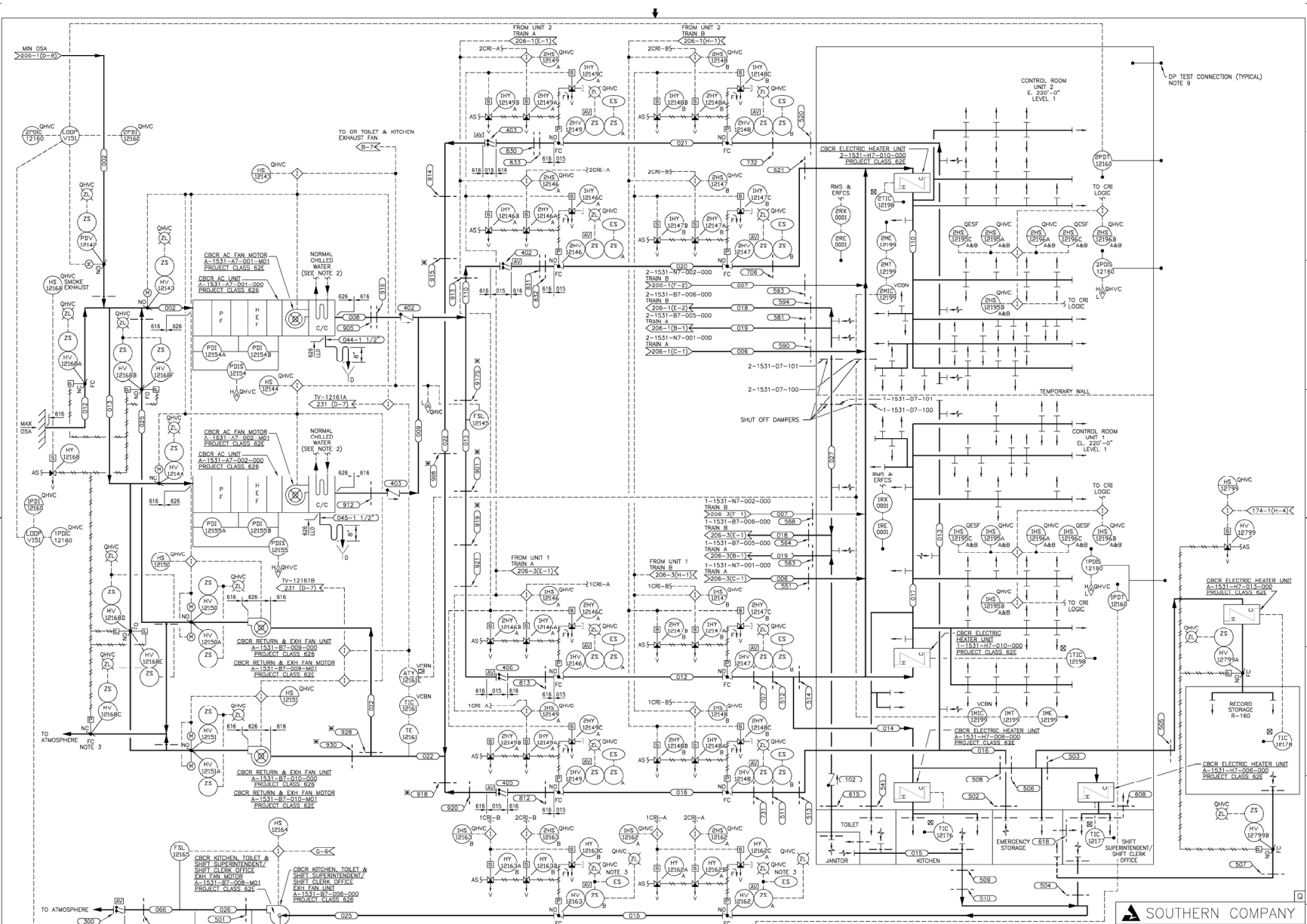
P & I DIAGRAM  
CONTROL BUILDING CONTROL ROOM  
HVAC SYSTEM LEVEL 1  
SYSTEM NO. 1531

SCALE: NONE  
DRAWING NO. AX4DB206-1  
VER. 31.0

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.

31.0 REVISED PER ABR-V0074S, VER.1.0  
DATE: 10/1/2004  
JOB NO. 10004  
SITE E 34044

1. DRAWING CATEGORY: CRITICAL



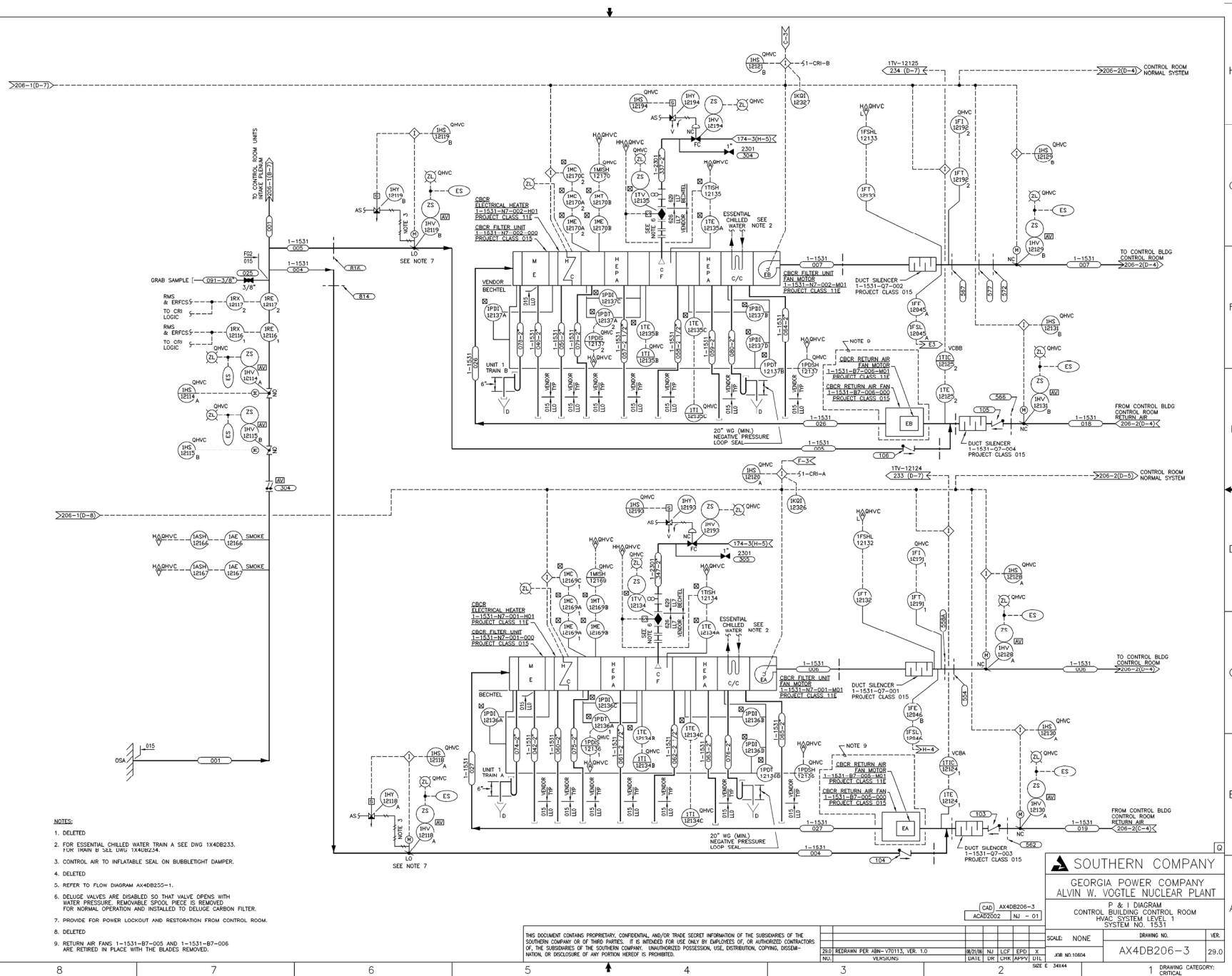
NOTES (CONT'D)  
8. TO TEST CONNECTIONS HAVE BEEN INSTALLED TO ALLOW MEASUREMENT OF DIFFERENTIAL PRESSURE BETWEEN THE FOLLOWING ROOMS:  
R163 (UNIT 1 CONTROL ROOM) AND R444, R143, R225  
R164 (UNIT 2 CONTROL ROOM) AND R117, R423, R141, R224  
R155 AND R158  
R161 AND R199  
R180 AND R160  
EACH CONNECTION IS CAPPED TO MAINTAIN CONTROL ROOM PRESSURE BOUNDARY.

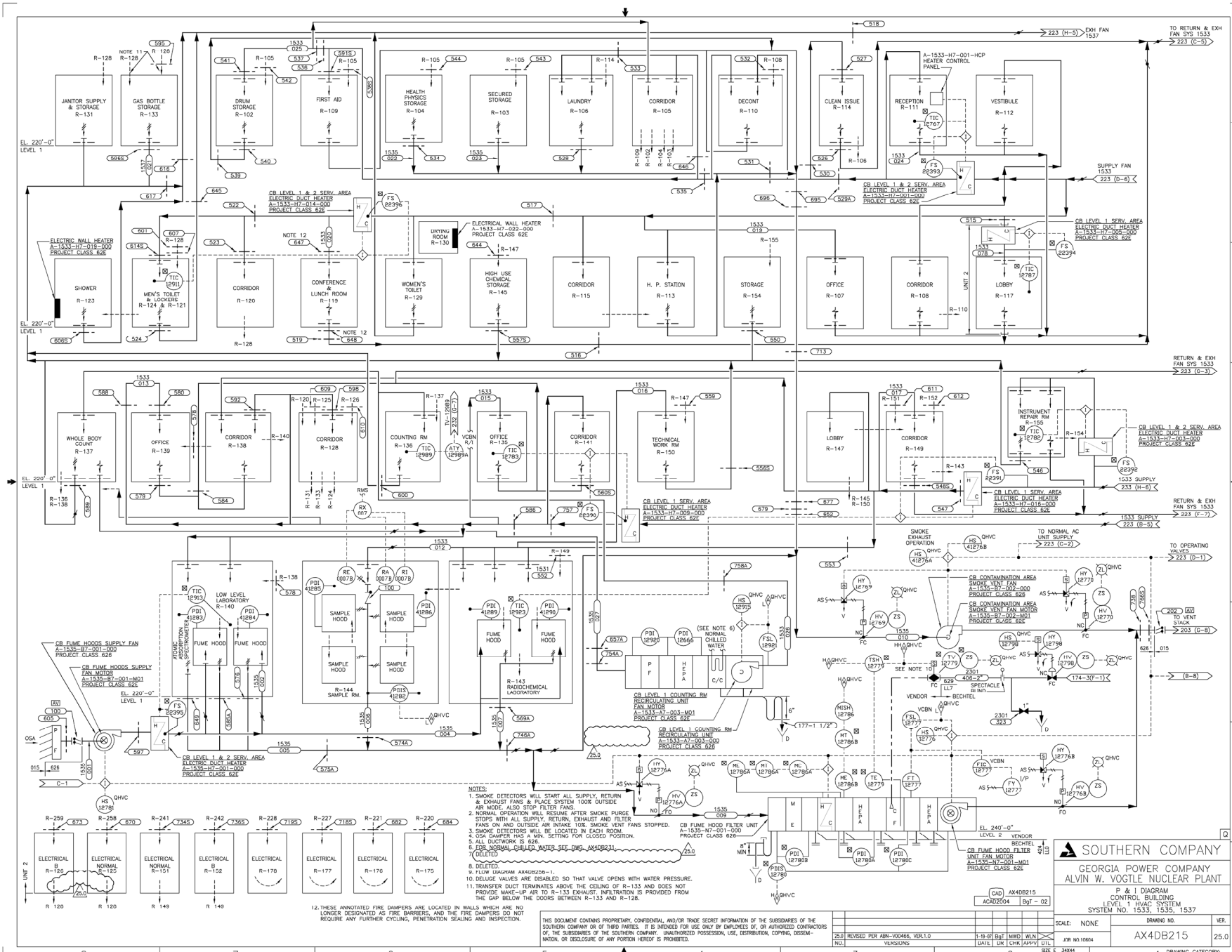
NOTES (CONT'D)  
6. DELETED  
7. DELETED  
8. \* DERIVED FIRE DAMPER.

NOTES:  
1. TO REMOVED DAMPERS SHALL BE PROJECT CLASS 015.  
2. FOR NORMAL CHILLED WATER SEE DWG. AX40B231.  
3. POSITION INDICATION OF THESE COMMON VALVES IS INPUT TO ONLY THE UNIT 1 COMPUTER.  
5. REFER TO FLOW DIAGRAM AX40B255-1.

**SOUTHERN COMPANY**  
GEORGIA POWER COMPANY  
ALVIN W. VOGLE NUCLEAR PLANT  
P & I DIAGRAM  
CONTROL BUILDING CONTROL ROOM  
HVAC SYSTEM LEVEL 1  
SYSTEM NO. 1531

SCALE: NONE  
DRAWING NO. AX40B206-2  
VER. 23.0  
DATE: 11/1/84  
BY: JLR  
CHECKED: JLR  
DESIGNED: JLR  
REVIEWED: JLR  
APPROVED: JLR  
DATE: 11/1/84  
BY: JLR  
CHECKED: JLR  
DESIGNED: JLR  
REVIEWED: JLR  
APPROVED: JLR





- NOTES:
1. SMOKE DETECTORS WILL START ALL SUPPLY, RETURN & EXHAUST FANS & PLACE SYSTEM TOOK OUTSIDE AIR MODE. ALSO STOP FILTER FANS.
  2. NORMAL OPERATION WILL RESUME AFTER SMOKE PURGE.
  3. SMOKE DETECTORS WILL BE LOCATED IN EACH ROOM.
  4. SMOKE DETECTOR HAS A MIN. SETTING FOR CLOSED POSITION.
  5. ALL DUCTWORK IS 6" DIA.
  6. FOR NORMAL CHILLED WATER SEE (SHEET AX40B215).
  7. DELETED.
  8. FLOW (GPM) 4000/250/1.
  9. DELUGE VALVES ARE DISABLED SO THAT VALVE OPENS WITH WATER PRESSURE.
  11. TRANSFER DUCT TERMINATES ABOVE THE CEILING OF R-133 AND DOES NOT PROVIDE MAKE-UP AIR TO R-133 EXHAUST. INFILTRATION IS PROVIDED FROM THE GAP BELOW THE DOORS BETWEEN R-133 AND R-126.

12. THESE ANNOTATED FIRE DAMPERS ARE LOCATED IN WALLS WHICH ARE NO LONGER DESIGNATED AS FIRE BARRIERS, AND THE FIRE DAMPERS DO NOT REQUIRE ANY FURTHER CYCLING, PENETRATION SEALING AND INSPECTION.

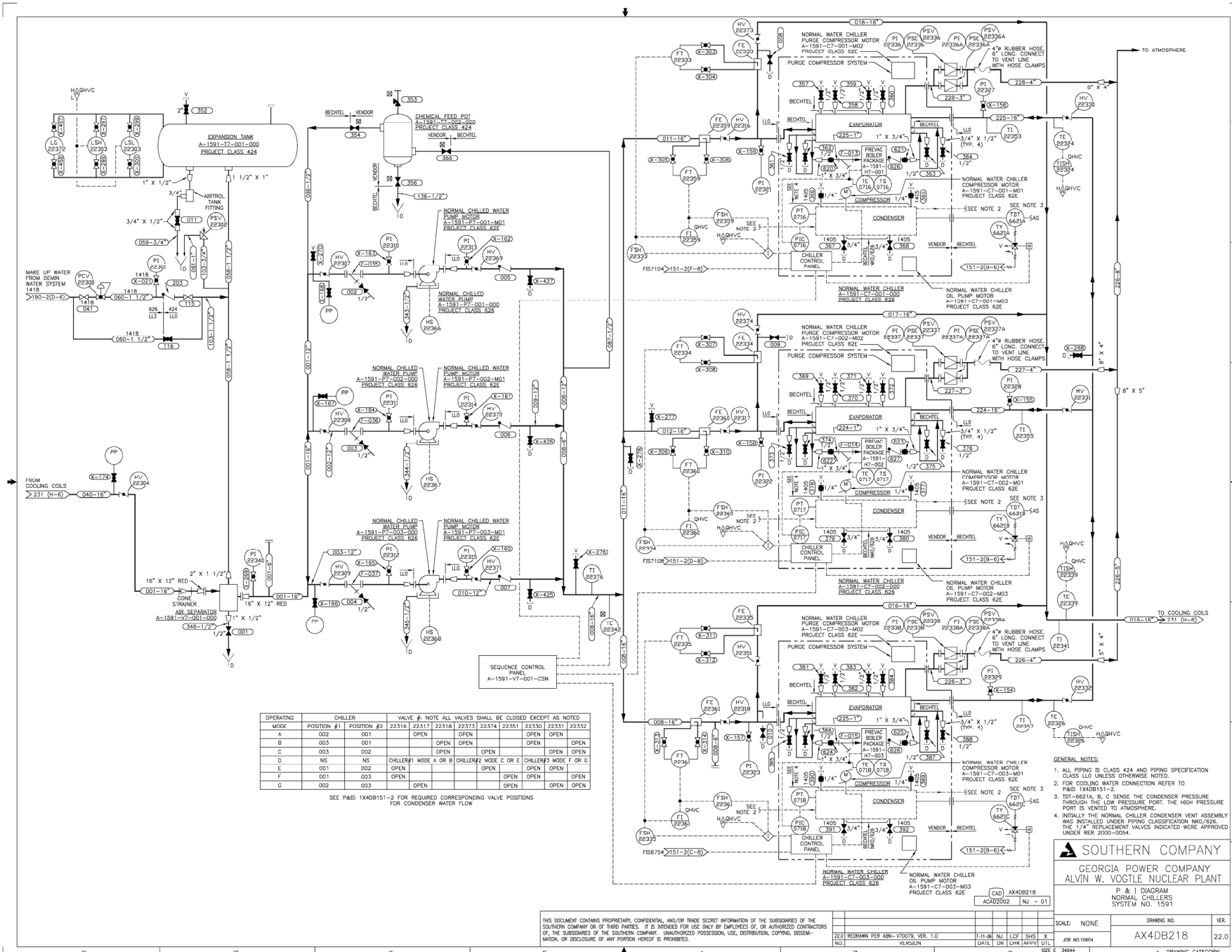
**SOUTHERN COMPANY**  
GEORGIA POWER COMPANY  
ALVIN W. VOGTLE NUCLEAR PLANT

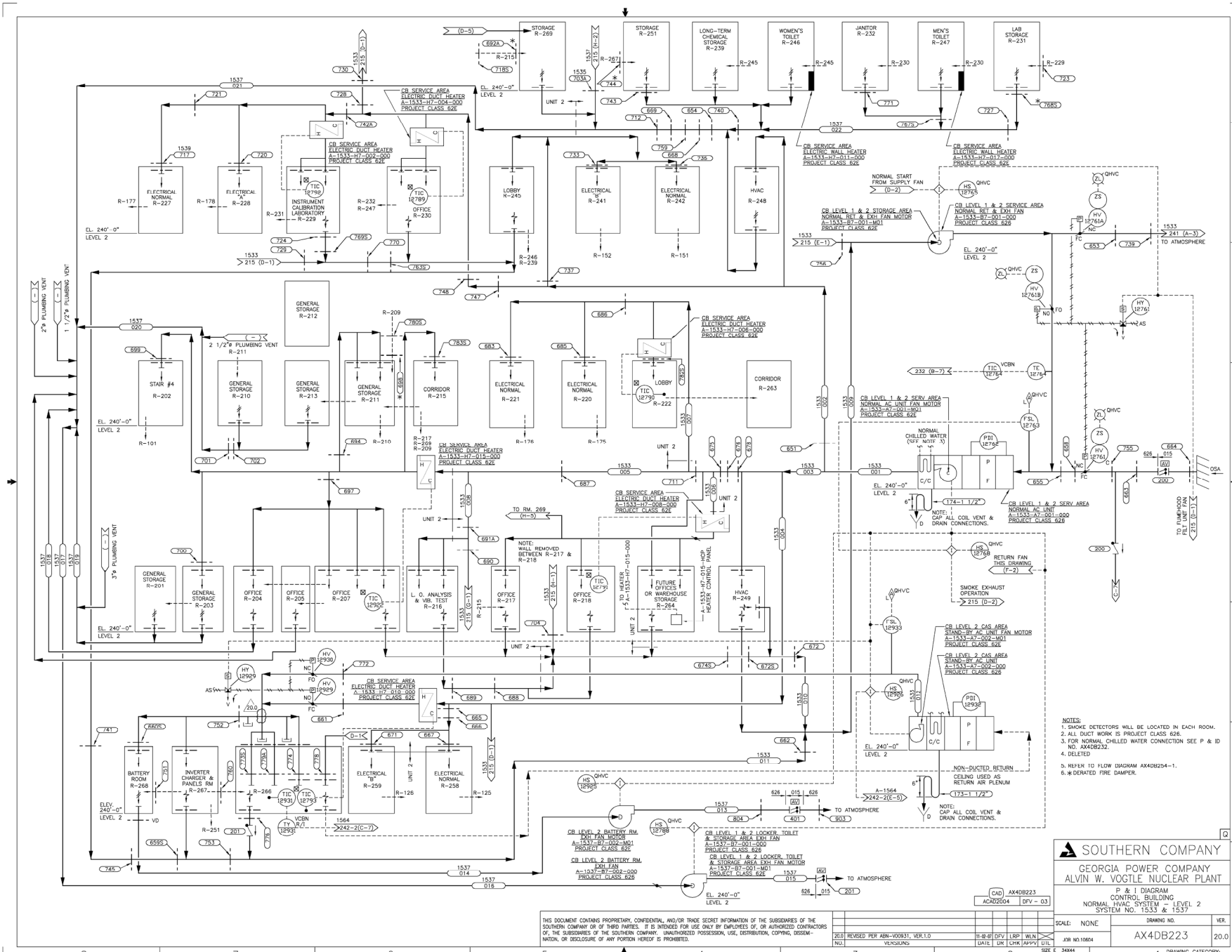
P & I DIAGRAM  
CONTROL BUILDING  
LEVEL 1 HVAC SYSTEM  
SYSTEM NO. 1533, 1535, 1537

CAD AX40B215  
ACAD2004 Bgt - 02  
SCALE: NONE  
DRAWING NO. AX40B215  
VER. 25.0  
JOB NO. 10004  
DATE: 1/18/07 BY: MWD/WLN  
CHECKED BY: JCH/SEE  
SHEET 4 OF 4

1. DRAWING CATEGORY: CRITICAL







- NOTES:
1. SMOKE DETECTORS WILL BE LOCATED IN EACH ROOM.
  2. ALL DUCT WORK IS PROJECT CLASS 626.
  3. FOR NORMAL CHILLED WATER CONNECTION SEE P & ID NO. AX40B232.
  4. DELETED
  5. REFER TO FLOW DIAGRAM AX40B234-1.
  6. \* DENOTES FIRE DAMPER.

**SOUTHERN COMPANY**  
GEORGIA POWER COMPANY  
ALVIN W. VOGTLE NUCLEAR PLANT

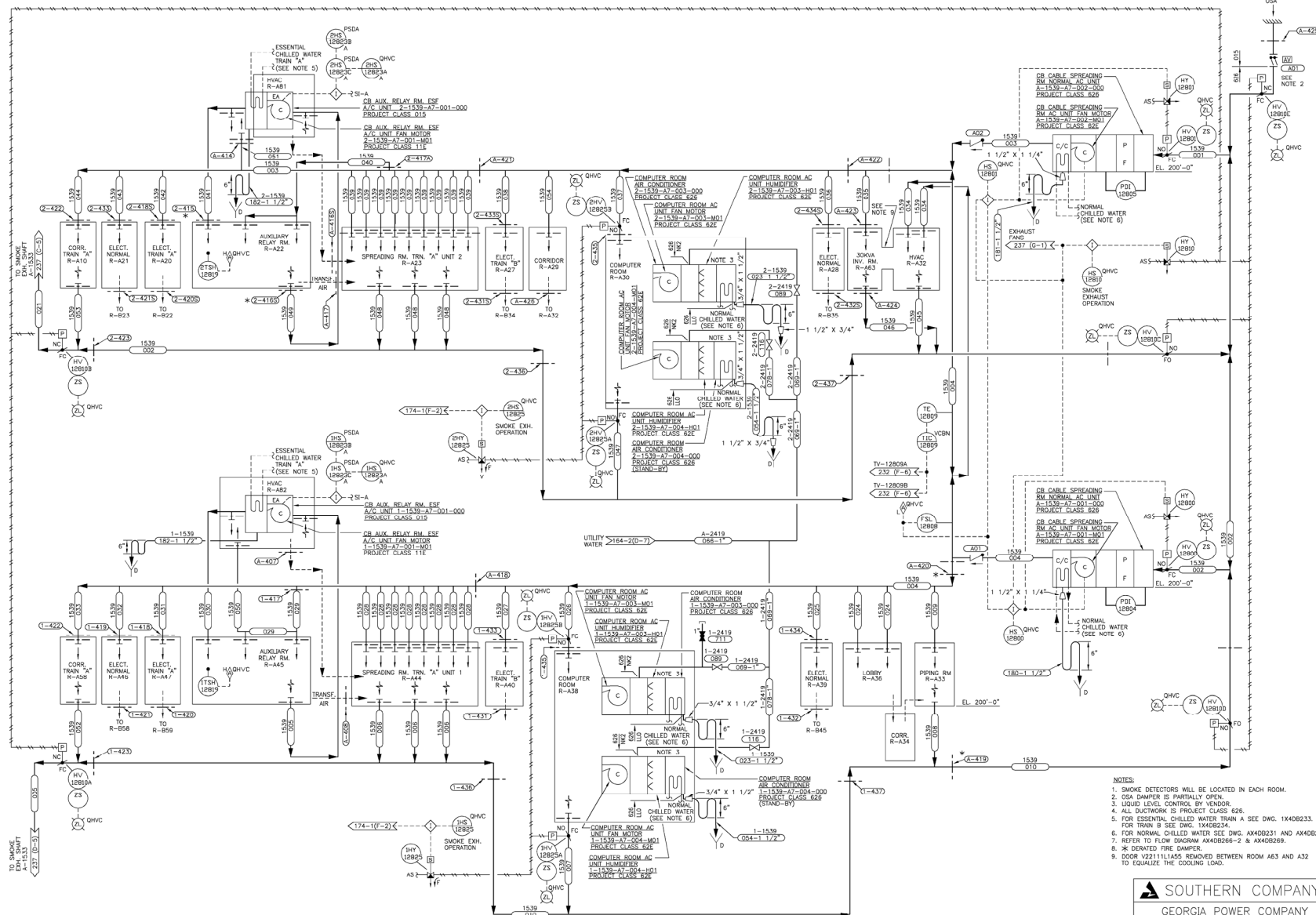
P & I DIAGRAM  
CONTROL BUILDING  
NORMAL HVAC SYSTEM - LEVEL 2  
SYSTEM NO. 1533 & 1537

CAD AX40B223  
ACAD2004 DFW - 03  
SCALE: NONE  
DRAWING NO. AX40B223  
20.0  
1. DRAWING CATEGORY: CRITICAL

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  
REV. NO. 1.0  
DATE 11-07-01  
BY LRP/WLN  
FOR 11-07-01  
JOB NO. 15004  
SHEET 6 OF 6





- NOTES:
1. SMOKE DETECTORS WILL BE LOCATED IN EACH ROOM.
  2. OSA DAMPER IS PARTIALLY OPEN.
  3. LIQUID LEVEL CONTROL BY VENDOR.
  4. ALL DUCTWORK IS PROJECT CLASS 626.
  5. FOR ESSENTIAL CHILLED WATER TRUNK A SEE DWG. 1X40B233.
  6. FOR TRUNK B SEE DWG. 1X40B234.
  7. FOR NORMAL CHILLED WATER SEE DWG. 1X40B231 AND 1X40B232.
  8. REFER TO FLOW DIAGRAM 1X40B231-2 & 1X40B232.
  9. \* DERATED FINE DAMPER.
  10. DOOR V22111 HAS REMOVED BETWEEN ROOM A63 AND A32 TO EQUALIZE THE COOLING LOAD.

**SOUTHERN COMPANY**  
 GEORGIA POWER COMPANY  
 ALVIN W. VOGTLE NUCLEAR PLANT

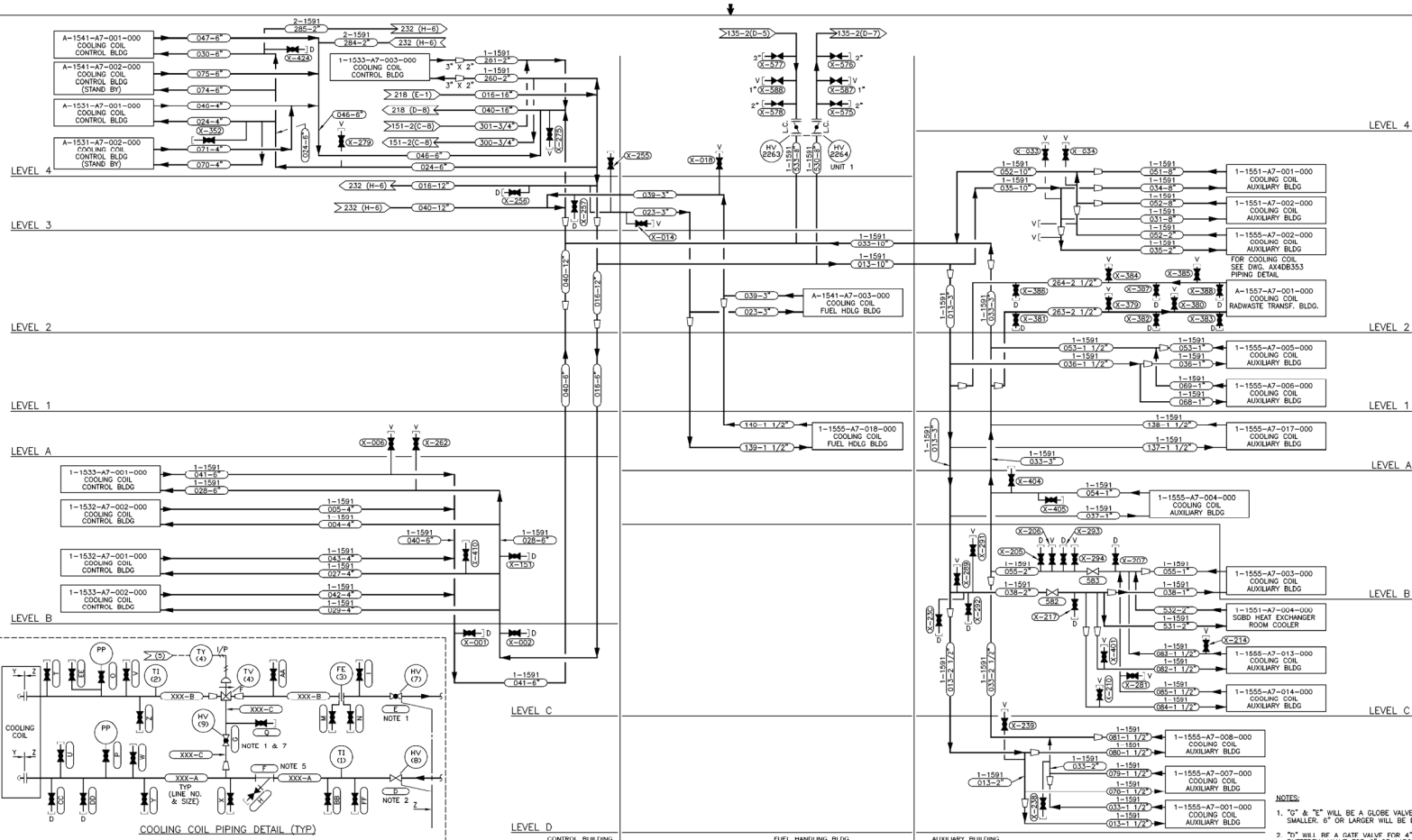
CAD AX40B225  
 ACAD2002 CYN - 01

P & I DIAGRAM  
 CONTROL BUILDING CABLE SPREADING ROOM  
 LEVEL A HVAC SYSTEM  
 SYSTEM NO. 1539

SCALE: NONE  
 DRAWING NO. AX40B225  
 VER. 16.0

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

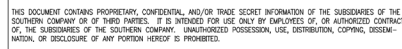
16.0	REDRAWN PER A3N-V70055, VER. 1.0	8-4-96	CYN	LOF	WPE	X
NO.	DATE	UN	CHK	APPV	UTL	
3	2	2	2	2	2	2



CHILLED WATER COIL REFERENCE TABLE

EQUIPMENT NO.	INSTRUMENTATION NUMBER	T1 (1)	T2 (2)	T3 (3)	T4 (4)	T5 (5)	T6 (6)	T7 (7)	T8 (8)	T9 (9)	T10 (10)	T11 (11)	T12 (12)	T13 (13)	T14 (14)	T15 (15)	T16 (16)	T17 (17)	T18 (18)	T19 (19)	T20 (20)	T21 (21)	T22 (22)	T23 (23)	T24 (24)	T25 (25)	T26 (26)	T27 (27)	T28 (28)	T29 (29)	T30 (30)	T31 (31)	T32 (32)	T33 (33)	T34 (34)	T35 (35)	T36 (36)	T37 (37)	T38 (38)	T39 (39)	T40 (40)	T41 (41)	T42 (42)	T43 (43)	T44 (44)	T45 (45)	T46 (46)	T47 (47)	T48 (48)	T49 (49)	T50 (50)	T51 (51)	T52 (52)	T53 (53)	T54 (54)	T55 (55)	T56 (56)	T57 (57)	T58 (58)	T59 (59)	T60 (60)	T61 (61)	T62 (62)	T63 (63)	T64 (64)	T65 (65)	T66 (66)	T67 (67)	T68 (68)	T69 (69)	T70 (70)	T71 (71)	T72 (72)	T73 (73)	T74 (74)	T75 (75)	T76 (76)	T77 (77)	T78 (78)	T79 (79)	T80 (80)	T81 (81)	T82 (82)	T83 (83)	T84 (84)	T85 (85)	T86 (86)	T87 (87)	T88 (88)	T89 (89)	T90 (90)	T91 (91)	T92 (92)	T93 (93)	T94 (94)	T95 (95)	T96 (96)	T97 (97)	T98 (98)	T99 (99)	T100 (100)	T101 (101)	T102 (102)	T103 (103)	T104 (104)	T105 (105)	T106 (106)	T107 (107)	T108 (108)	T109 (109)	T110 (110)	T111 (111)	T112 (112)	T113 (113)	T114 (114)	T115 (115)	T116 (116)	T117 (117)	T118 (118)	T119 (119)	T120 (120)	T121 (121)	T122 (122)	T123 (123)	T124 (124)	T125 (125)	T126 (126)	T127 (127)	T128 (128)	T129 (129)	T130 (130)	T131 (131)	T132 (132)	T133 (133)	T134 (134)	T135 (135)	T136 (136)	T137 (137)	T138 (138)	T139 (139)	T140 (140)	T141 (141)	T142 (142)	T143 (143)	T144 (144)	T145 (145)	T146 (146)	T147 (147)	T148 (148)	T149 (149)	T150 (150)	T151 (151)	T152 (152)	T153 (153)	T154 (154)	T155 (155)	T156 (156)	T157 (157)	T158 (158)	T159 (159)	T160 (160)	T161 (161)	T162 (162)	T163 (163)	T164 (164)	T165 (165)	T166 (166)	T167 (167)	T168 (168)	T169 (169)	T170 (170)	T171 (171)	T172 (172)	T173 (173)	T174 (174)	T175 (175)	T176 (176)	T177 (177)	T178 (178)	T179 (179)	T180 (180)	T181 (181)	T182 (182)	T183 (183)	T184 (184)	T185 (185)	T186 (186)	T187 (187)	T188 (188)	T189 (189)	T190 (190)	T191 (191)	T192 (192)	T193 (193)	T194 (194)	T195 (195)	T196 (196)	T197 (197)	T198 (198)	T199 (199)	T200 (200)	T201 (201)	T202 (202)	T203 (203)	T204 (204)	T205 (205)	T206 (206)	T207 (207)	T208 (208)	T209 (209)	T210 (210)	T211 (211)	T212 (212)	T213 (213)	T214 (214)	T215 (215)	T216 (216)	T217 (217)	T218 (218)	T219 (219)	T220 (220)	T221 (221)	T222 (222)	T223 (223)	T224 (224)	T225 (225)	T226 (226)	T227 (227)	T228 (228)	T229 (229)	T230 (230)	T231 (231)	T232 (232)	T233 (233)	T234 (234)	T235 (235)	T236 (236)	T237 (237)	T238 (238)	T239 (239)	T240 (240)	T241 (241)	T242 (242)	T243 (243)	T244 (244)	T245 (245)	T246 (246)	T247 (247)	T248 (248)	T249 (249)	T250 (250)	T251 (251)	T252 (252)	T253 (253)	T254 (254)	T255 (255)	T256 (256)	T257 (257)	T258 (258)	T259 (259)	T260 (260)	T261 (261)	T262 (262)	T263 (263)	T264 (264)	T265 (265)	T266 (266)	T267 (267)	T268 (268)	T269 (269)	T270 (270)	T271 (271)	T272 (272)	T273 (273)	T274 (274)	T275 (275)	T276 (276)	T277 (277)	T278 (278)	T279 (279)	T280 (280)	T281 (281)	T282 (282)	T283 (283)	T284 (284)	T285 (285)	T286 (286)	T287 (287)	T288 (288)	T289 (289)	T290 (290)	T291 (291)	T292 (292)	T293 (293)	T294 (294)	T295 (295)	T296 (296)	T297 (297)	T298 (298)	T299 (299)	T300 (300)	T301 (301)	T302 (302)	T303 (303)	T304 (304)	T305 (305)	T306 (306)	T307 (307)	T308 (308)	T309 (309)	T310 (310)	T311 (311)	T312 (312)	T313 (313)	T314 (314)	T315 (315)	T316 (316)	T317 (317)	T318 (318)	T319 (319)	T320 (320)	T321 (321)	T322 (322)	T323 (323)	T324 (324)	T325 (325)	T326 (326)	T327 (327)	T328 (328)	T329 (329)	T330 (330)	T331 (331)	T332 (332)	T333 (333)	T334 (334)	T335 (335)	T336 (336)	T337 (337)	T338 (338)	T339 (339)	T340 (340)	T341 (341)	T342 (342)	T343 (343)	T344 (344)	T345 (345)	T346 (346)	T347 (347)	T348 (348)	T349 (349)	T350 (350)	T351 (351)	T352 (352)	T353 (353)	T354 (354)	T355 (355)	T356 (356)	T357 (357)	T358 (358)	T359 (359)	T360 (360)	T361 (361)	T362 (362)	T363 (363)	T364 (364)	T365 (365)	T366 (366)	T367 (367)	T368 (368)	T369 (369)	T370 (370)	T371 (371)	T372 (372)	T373 (373)	T374 (374)	T375 (375)	T376 (376)	T377 (377)	T378 (378)	T379 (379)	T380 (380)	T381 (381)	T382 (382)	T383 (383)	T384 (384)	T385 (385)	T386 (386)	T387 (387)	T388 (388)	T389 (389)	T390 (390)	T391 (391)	T392 (392)	T393 (393)	T394 (394)	T395 (395)	T396 (396)	T397 (397)	T398 (398)	T399 (399)	T400 (400)	T401 (401)	T402 (402)	T403 (403)	T404 (404)	T405 (405)	T406 (406)	T407 (407)	T408 (408)	T409 (409)	T410 (410)	T411 (411)	T412 (412)	T413 (413)	T414 (414)	T415 (415)	T416 (416)	T417 (417)	T418 (418)	T419 (419)	T420 (420)	T421 (421)	T422 (422)	T423 (423)	T424 (424)	T425 (425)	T426 (426)	T427 (427)	T428 (428)	T429 (429)	T430 (430)	T431 (431)	T432 (432)	T433 (433)	T434 (434)	T435 (435)	T436 (436)	T437 (437)	T438 (438)	T439 (439)	T440 (440)	T441 (441)	T442 (442)	T443 (443)	T444 (444)	T445 (445)	T446 (446)	T447 (447)	T448 (448)	T449 (449)	T450 (450)	T451 (451)	T452 (452)	T453 (453)	T454 (454)	T455 (455)	T456 (456)	T457 (457)	T458 (458)	T459 (459)	T460 (460)	T461 (461)	T462 (462)	T463 (463)	T464 (464)	T465 (465)	T466 (466)	T467 (467)	T468 (468)	T469 (469)	T470 (470)	T471 (471)	T472 (472)	T473 (473)	T474 (474)	T475 (475)	T476 (476)	T477 (477)	T478 (478)	T479 (479)	T480 (480)	T481 (481)	T482 (482)	T483 (483)	T484 (484)	T485 (485)	T486 (486)	T487 (487)	T488 (488)	T489 (489)	T490 (490)	T491 (491)	T492 (492)	T493 (493)	T494 (494)	T495 (495)	T496 (496)	T497 (497)	T498 (498)	T499 (499)	T500 (500)	T501 (501)	T502 (502)	T503 (503)	T504 (504)	T505 (505)	T506 (506)	T507 (507)	T508 (508)	T509 (509)	T510 (510)	T511 (511)	T512 (512)	T513 (513)	T514 (514)	T515 (515)	T516 (516)	T517 (517)	T518 (518)	T519 (519)	T520 (520)	T521 (521)	T522 (522)	T523 (523)	T524 (524)	T525 (525)	T526 (526)	T527 (527)	T528 (528)	T529 (529)	T530 (530)	T531 (531)	T532 (532)	T533 (533)	T534 (534)	T535 (535)	T536 (536)	T537 (537)	T538 (538)	T539 (539)	T540 (540)	T541 (541)	T542 (542)	T543 (543)	T544 (544)	T545 (545)	T546 (546)	T547 (547)	T548 (548)	T549 (549)	T550 (550)	T551 (551)	T552 (552)	T553 (553)	T554 (554)	T555 (555)	T556 (556)	T557 (557)	T558 (558)	T559 (559)	T560 (560)	T561 (561)	T562 (562)	T563 (563)	T564 (564)	T565 (565)	T566 (566)	T567 (567)	T568 (568)	T569 (569)	T570 (570)	T571 (571)	T572 (572)	T573 (573)	T574 (574)	T575 (575)	T576 (576)	T577 (577)	T578 (578)	T579 (579)	T580 (580)	T581 (581)	T582 (582)	T583 (583)	T584 (584)	T585 (585)	T586 (586)	T587 (587)	T588 (588)	T589 (589)	T590 (590)	T591 (591)	T592 (592)	T593 (593)	T594 (594)	T595 (595)	T596 (596)	T597 (597)	T598 (598)	T599 (599)	T600 (600)	T601 (601)	T602 (602)	T603 (603)	T604 (604)	T605 (605)	T606 (606)	T607 (607)	T608 (608)	T609 (609)	T610 (610)	T611 (611)	T612 (612)	T613 (613)	T614 (614)	T615 (615)	T616 (616)	T617 (617)	T618 (618)	T619 (619)	T620 (620)	T621 (621)	T622 (622)	T623 (623)	T624 (624)	T625 (625)	T626 (626)	T627 (627)	T628 (628)	T629 (629)	T630 (630)	T631 (631)	T632 (632)	T633 (633)	T634 (634)	T635 (635)	T636 (636)	T637 (637)	T638 (638)	T639 (639)	T640 (640)	T641 (641)	T642 (642)	T643 (643)	T644 (644)	T645 (645)	T646 (646)	T647 (647)	T648 (648)	T649 (649)	T650 (650)	T651 (651)	T652 (652)	T653 (653)	T654 (654)	T655 (655)	T656 (656)	T657 (657)	T658 (658)	T659 (659)	T660 (660)	T661 (661)	T662 (662)	T663 (663)	T664 (664)	T665 (665)	T666 (666)	T667 (667)	T668 (668)	T669 (669)	T670 (670)	T671 (671)	T672 (672)	T673 (673)	T674 (674)	T675 (675)	T676 (676)	T677 (677)	T678 (678)	T679 (679)	T680 (680)	T681 (681)	T682 (682)	T683 (683)	T684 (684)	T685 (685)	T686 (686)	T687 (687)	T688 (688)	T689 (689)	T690 (690)	T691 (691)	T692 (692)	T693 (693)	T694 (694)	T695 (695)	T696 (696)	T697 (697)	T698 (698)	T699 (699)	T700 (700)	T701 (701)	T702 (702)	T703 (703)	T704 (704)	T705 (705)	T706 (706)	T707 (707)	T708 (708)	T709 (709)	T710 (710)	T711 (711)	T712 (712)	T713 (713)	T714 (714)	T715 (715)	T716 (716)	T717 (717)	T718 (718)	T719 (719)	T720 (720)	T721 (721)	T722 (722)	T72
---------------	------------------------	--------	--------	--------	--------	--------	--------	--------	--------	--------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	-----

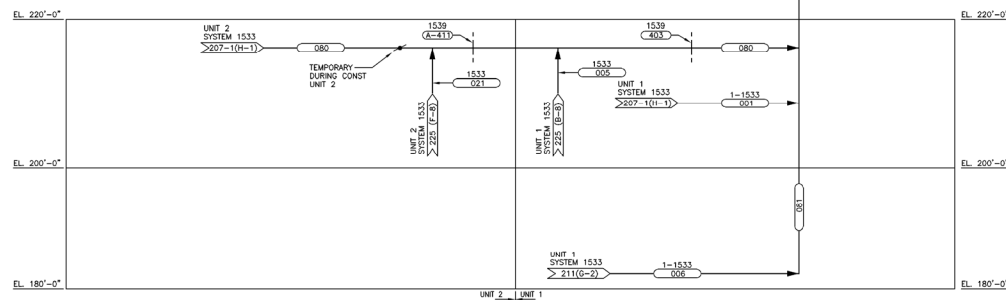
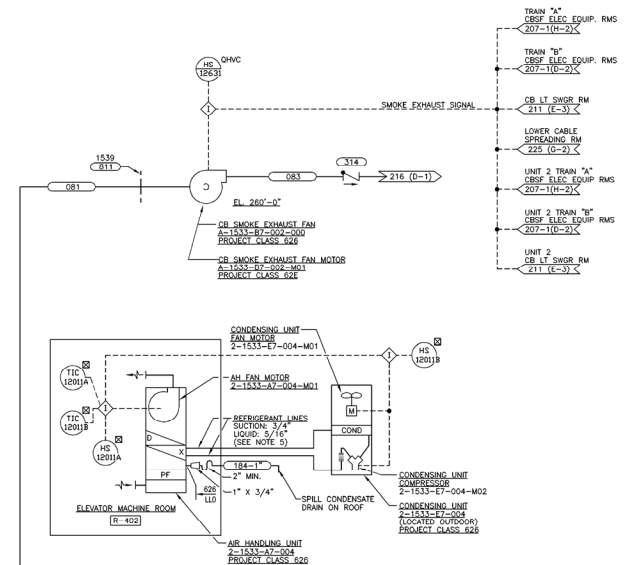





SCALE: NONE	DRAWING NO.	VER.
JOB NO.10604	AX4DB235	18.0

SCALE: NONE	DRAWING NO.	VER.
JOB NO.10604	AX4DB235	18.0

SIZE E 34X44	1	DRAWING CATEGORY: CRITICAL
--------------	---	-------------------------------



1. NOTES
2. FLOW DIAGRAM AX40266-2.
3. SMOKE EXHAUST FAN A-1533-B7-002-000 IS NOT IN USE WITH OTHER FANS IN SYSTEM AND IS OPERATED TO REMOVE SMOKE FROM SMOKE EXHAUST QUANTITY SHALL BE ADJUSTED TO PROVIDE MINIMUM AIR QUALITIES AS INDICATED.
4. ALL ASSOCIATED MOTORS FOR 2-1533-A7-004 AND 2-1533-E7-004 ARE PROJECT CLASS 62E.
5. ALL ASSOCIATED CONTROLS FOR 2-1533-A7-004 AND 2-1533-E7-004 ARE VENDOR FURNISHED.
6. REFRIGERANT PIPING BETWEEN THE AIR HANDLING UNIT AND CONDENSING COILS ARE FIRE CHARGED (TO BE FURNISHED BY VENDOR).
7. FIRE ZONE INTERLOCK FROM LOCAL ZONE INDICATING PANEL NO. L2P 1534 TO TORNADO DAMPER 2-1533-E7-407 HAS BEEN DISABLED PER DCP B7-VIE219-1-11

01	 SOUTHERN COMPANY
	GEORGIA POWER COMPANY ALVIN W. VOGTLE NUCLEAR PLANT
	P & I DIAGRAM CONTROL BUILDING SMOKE EXHAUST SYSTEM SYSTEM NO. 1533

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.

										SCALE: NONE					
13.0 REDRAWN PER A8N-V70117, VER. 1.0										06/22/06	CYN	LCF	EPD	X	JOB NO. 10604
NO. VERSIONS										DATE	DR	CHK	APPV	UTL	
7										SIZE E		34044			

SYSTEM NO. 1533	
DRAWING NO.	VER.
AX4DB237	13.0

1 DRAWING CATEGORY:  
CRITICAL

