



Figure 1.2-2 Reactor Building, Arrangement Elevation, Section A-A



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Figure 1.2-2a Reactor Building, Arrangement Elevation, Section B-B



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Figure 1.2-3 Upper Drywell, Arrangement Elevation, Section A-A



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Figure 1.2-3a Upper Drywell, Arrangement Elevation, Section B-B



Redacted Security-Sensitive Information

Figure 1.2-3b Lower Drywell, Arrangement Elevation, Section A-A



Figure 1.2-3c Wetwell, Arrangement Elevation, Sections A-A & B-B



Figure 1.2-4 Reactor Building, Arrangement Plan at Elevation – 8200 mm



Figure 1.2-5 Reactor Building, Arrangement Plan at Elevation – 1700 mm



Figure 1.2-6 Reactor Building, Arrangement Plan at Elevation 4800/8500 mm



Figure 1.2-8 Reactor Building, Arrangement Plan at Elevation 12300 mm



Figure 1.2-9 Reactor Building, Arrangement Plan at Elevation 18100 mm



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Figure 1.2-10 Reactor Building, Arrangement Plan at Elevation 23500 mm



Figure 1.2-11 Reactor Building, Arrangement Plan at Elevation 27200 mm



Figure 1.2-12 Reactor Building, Arrangement Plan at Elevation 31700/38200 mm



Figure 1.2-13a Drywell, Arrangement Plan at Elevation 12300 mm

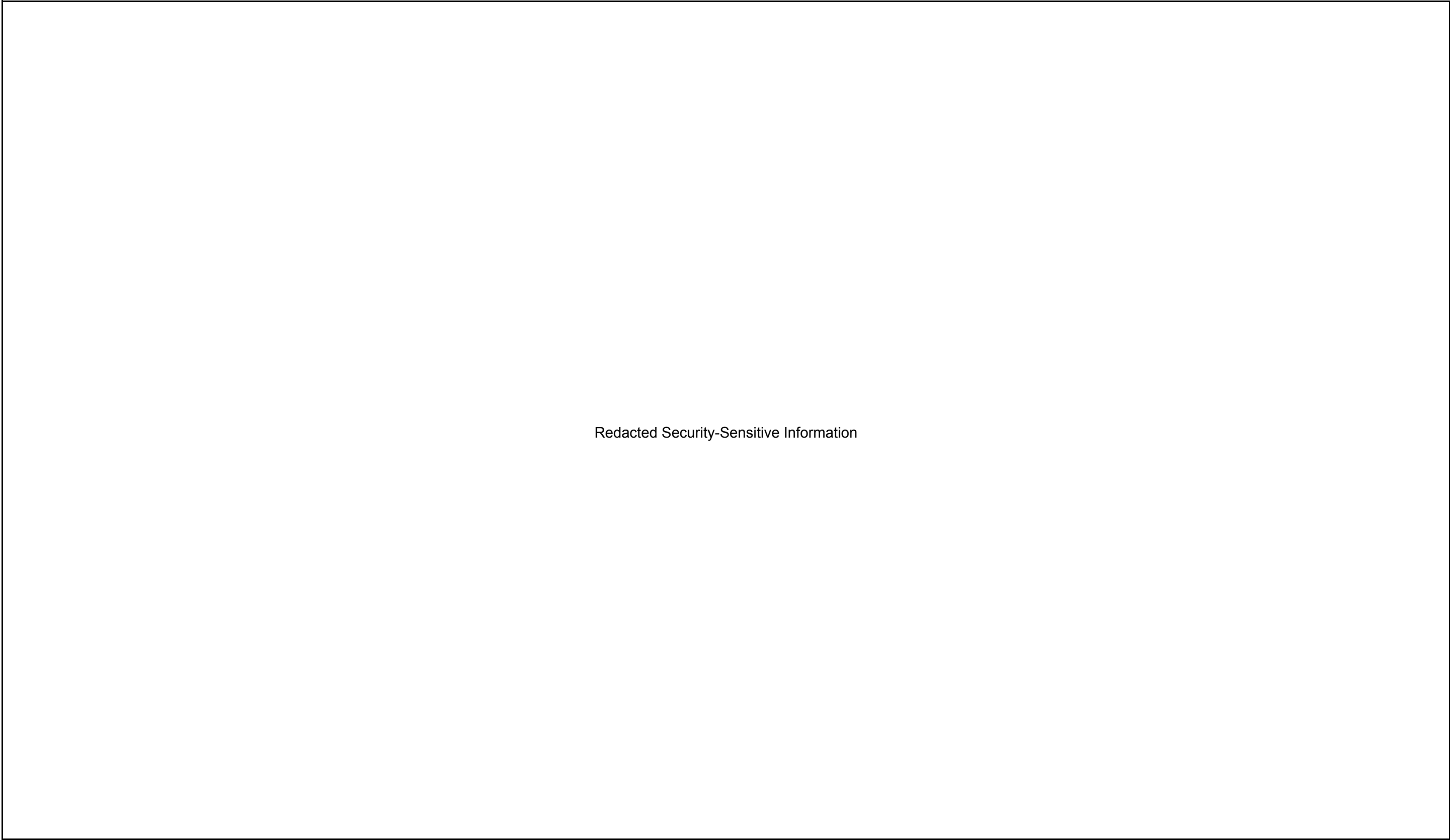


Figure 1.2-13b Drywell, Arrangement Plan at Elevation 15600 mm



Figure 1.2-13c Drywell, Arrangement Plan at Elevation 18100 mm



Figure 1.2-13d Drywell Steel, Arrangement Plan at Elevation 18100 mm



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Figure 1.2-13e Lower Drywell, Arrangement Plan at Elevation – 6600 to – 1850 mm



Figure 1.2-13f Lower Drywell, Arrangement Plan at Elevation – 1850 to 1750 mm



Figure 1.2-13g Lower Drywell, Arrangement Plan at Elevation 1750 to 4800 mm



Figure 1.2-13h Lower Drywell, Arrangement Plan at Elevation 4800 to 6700 mm



Figure 1.2-13i Wetwell, Arrangement Plan at Elevation – 8200 mm

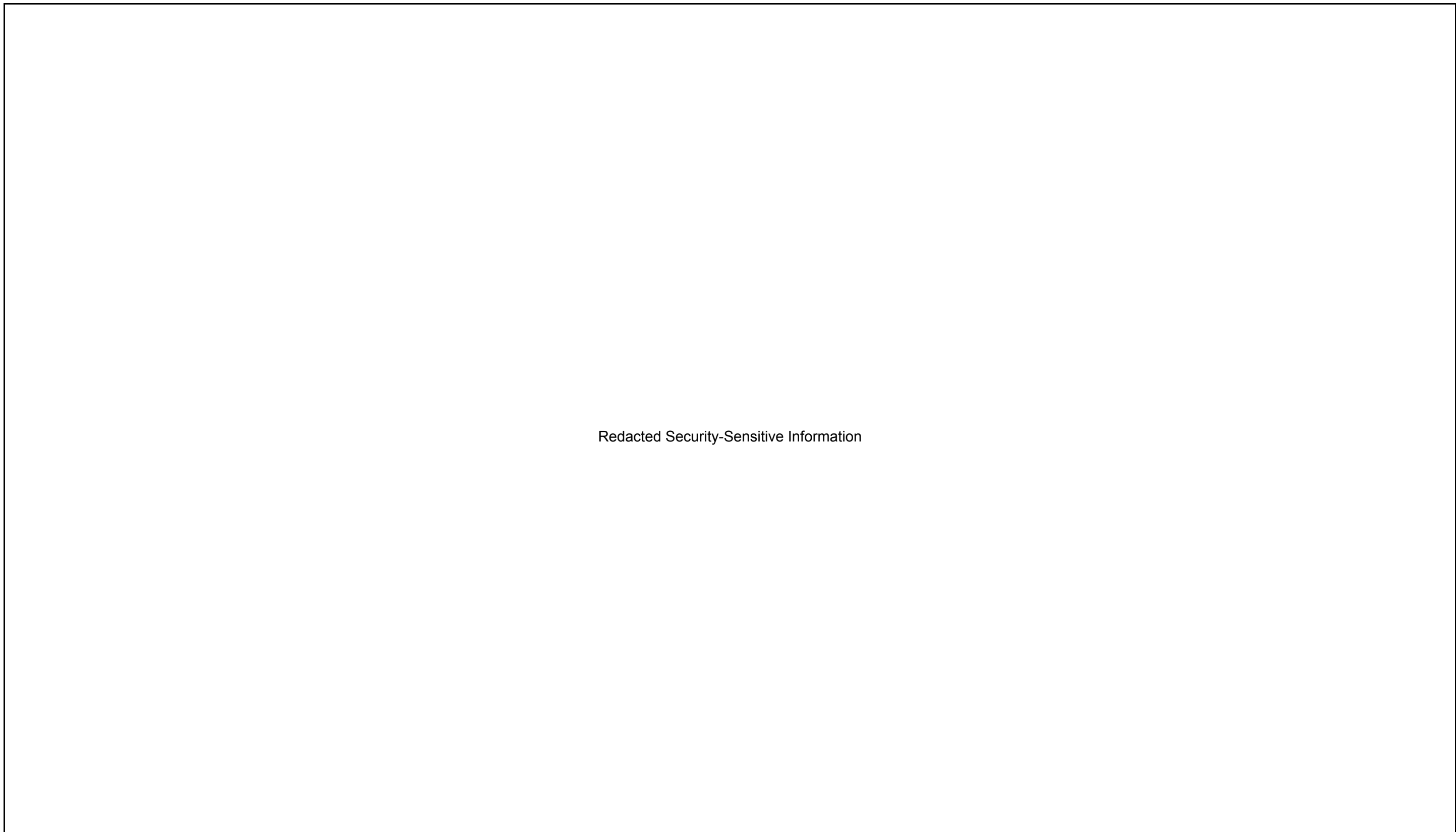


Figure 1.2-13j Wetwell, Arrangement Plan at Elevation – 1700 mm



Figure 1.2-13k Wetwell, Arrangement Plan at Elevation 4800 mm



Figure 1.2-14 Control and Service Building, Arrangement Elevation, Section A-A



Figure 1.2-15 Control and Service Building, Arrangement Elevation, Section B-B



Redacted Security-Sensitive Information

Figure 1.2-16 Control Building, Arrangement Plan at Elevation – 8200 mm



Figure 1.2-17 Control and Service Building, Arrangement Elevation – 2150 mm



Figure 1.2-18 Control and Service Building, Arrangement Elevation 3500 mm



Figure 1.2-19 Control and Service Building, Arrangement Elevation 7900 mm



Figure 1.2-20 Control and Service Building, Arrangement Elevation 12300 mm



Redacted Security-Sensitive Information

Figure 1.2-21 Control and Service Building, Arrangement Elevation 17150 mm

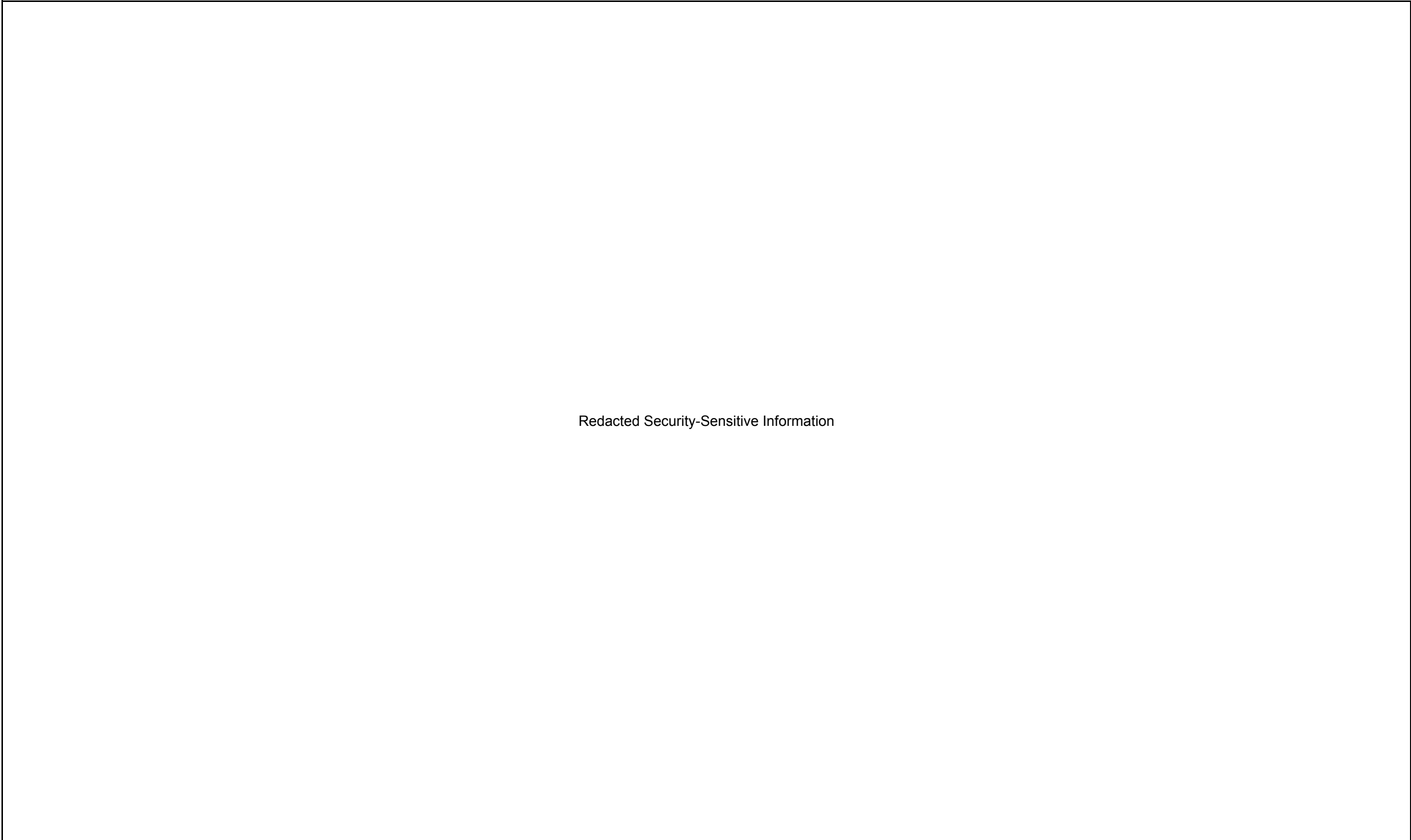


Figure 1.2-22 Control and Service Building, Arrangement Elevation 22200 mm

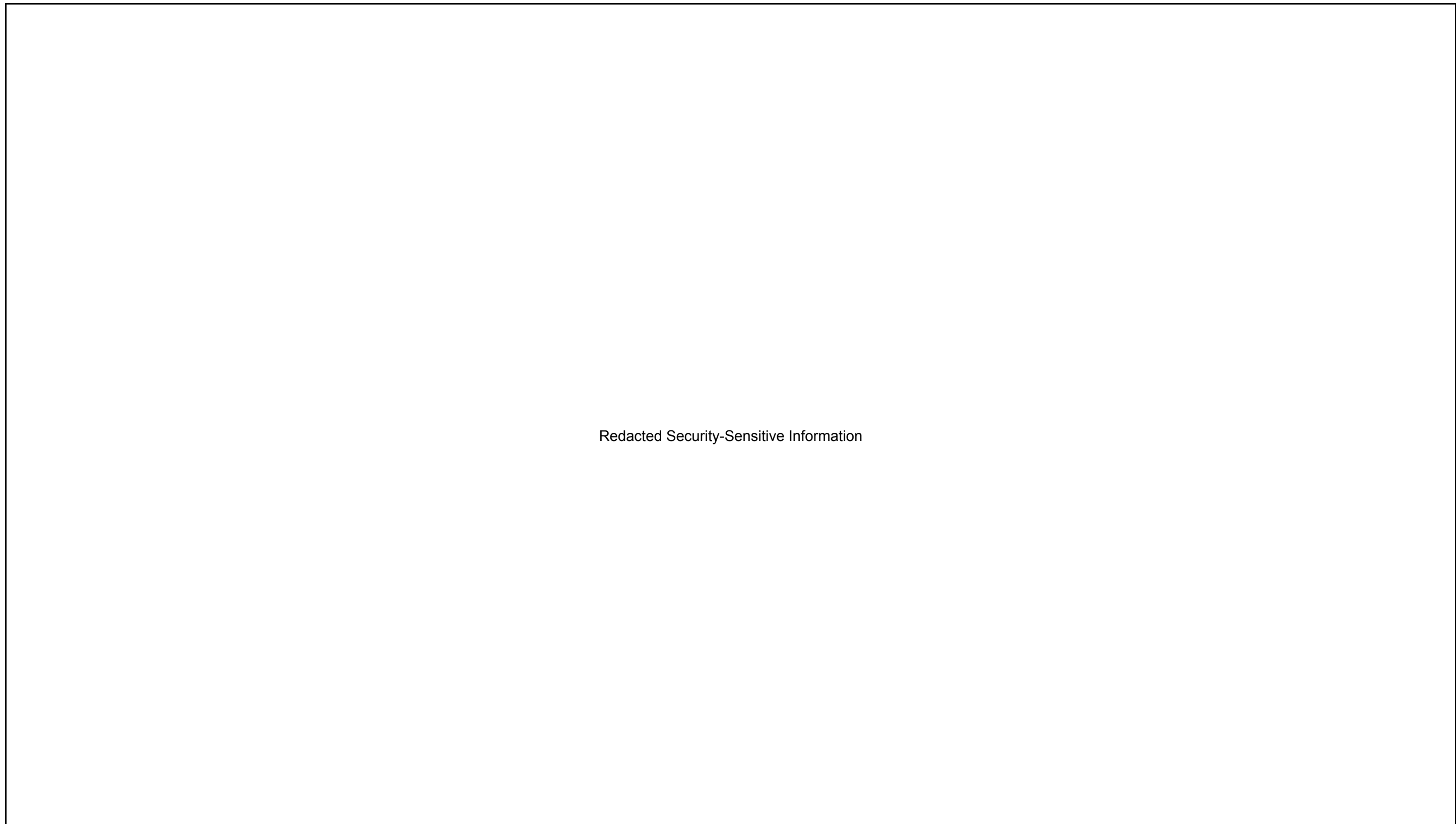


Figure 1.2-23a Radwaste Building at Elevation —1700 mm

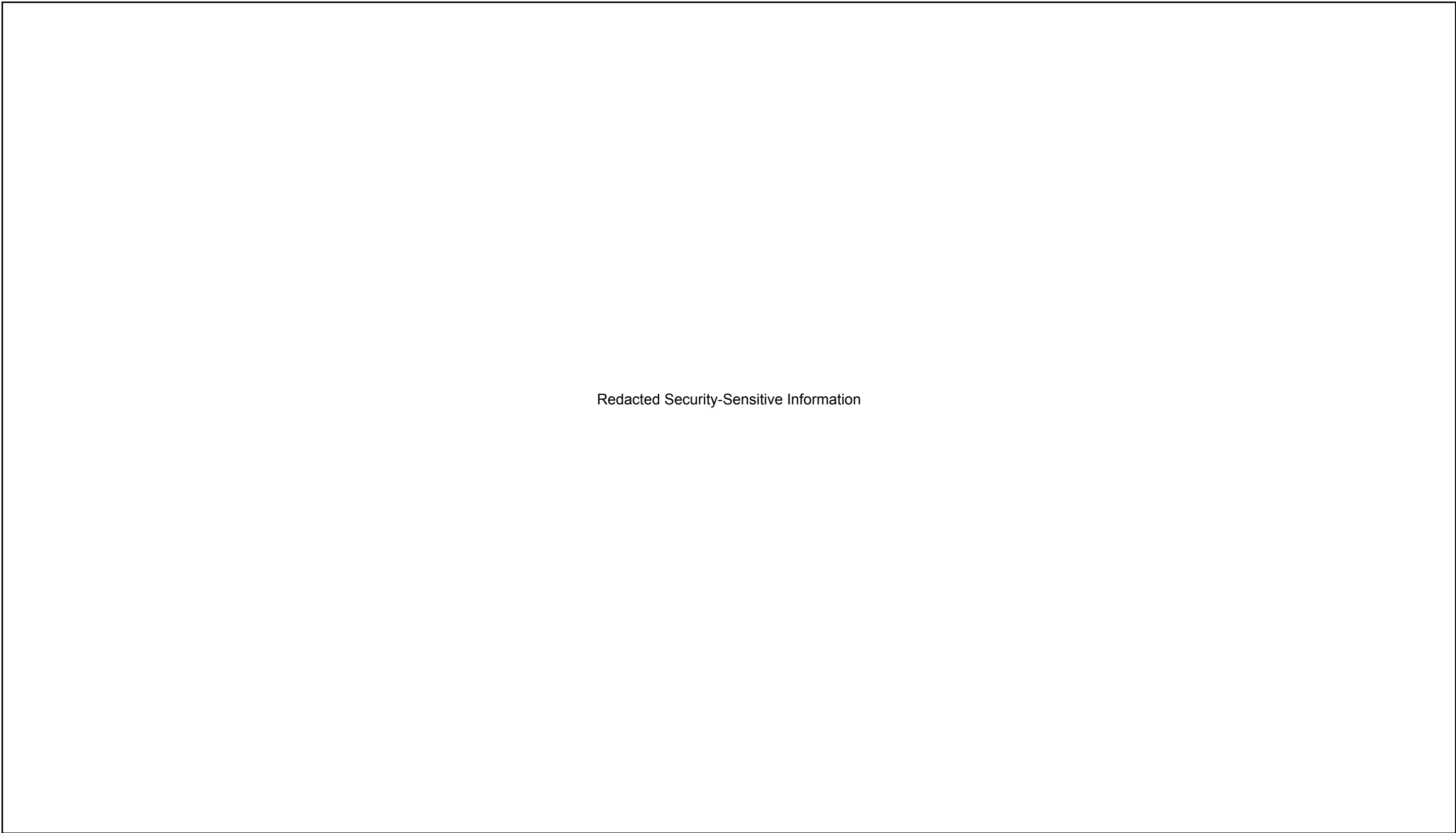


Figure 1.2-23b Radwaste Building at Elevation 5300 mm

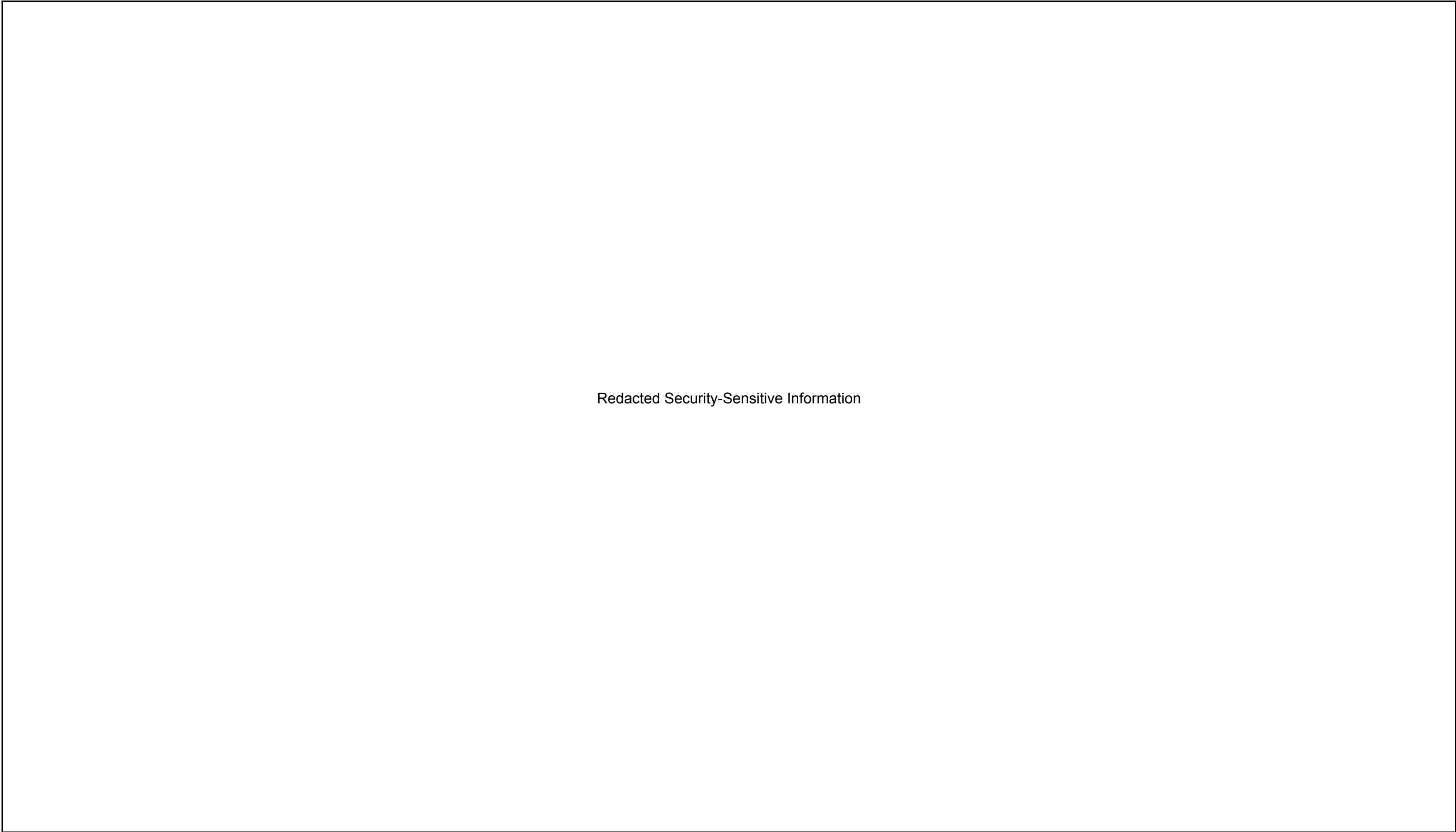


Figure 1.2-23c Radwaste Building at Elevation 12300 mm



Figure 1.2-23d Radwaste Building at Elevation 18300 mm

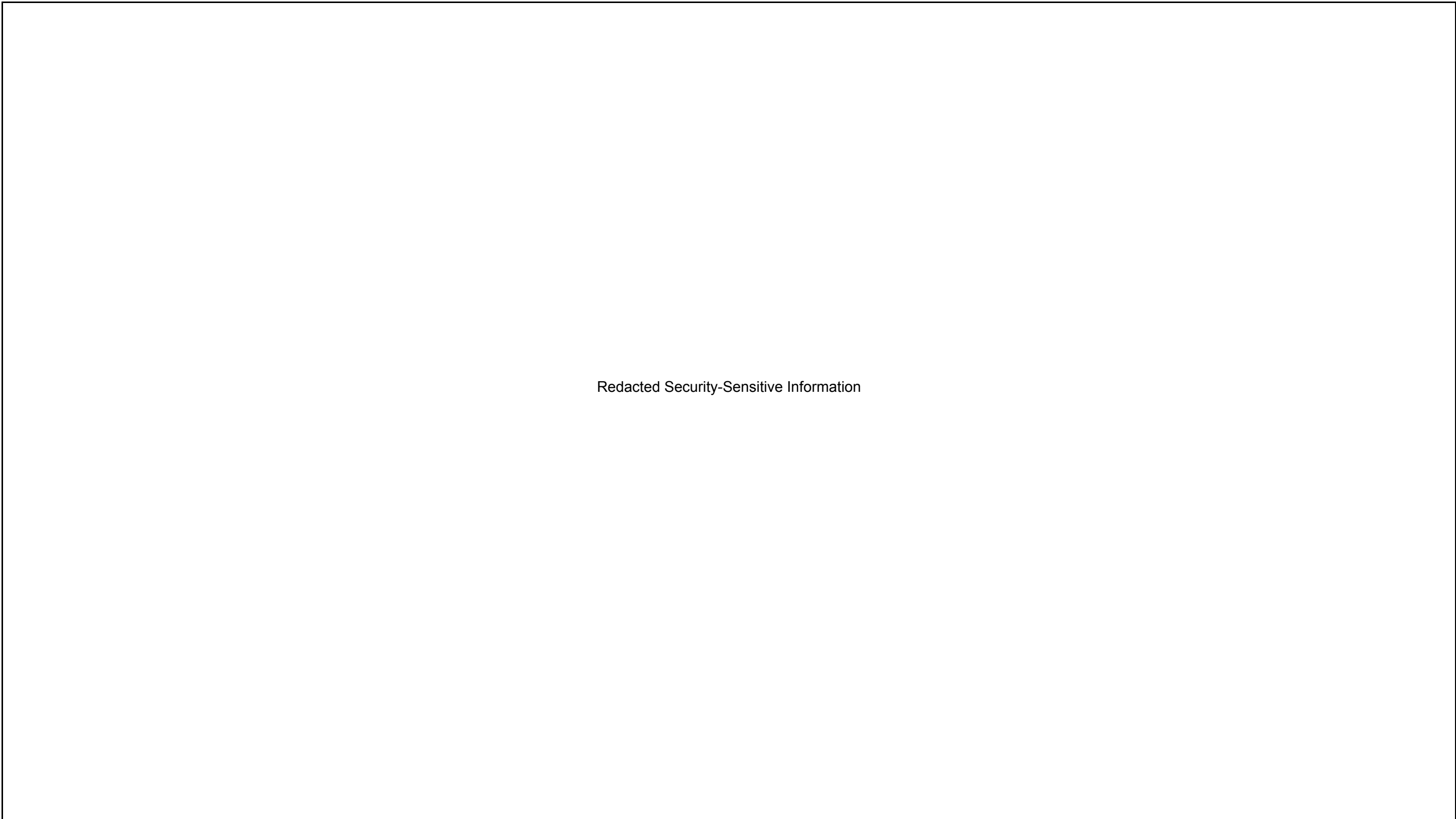
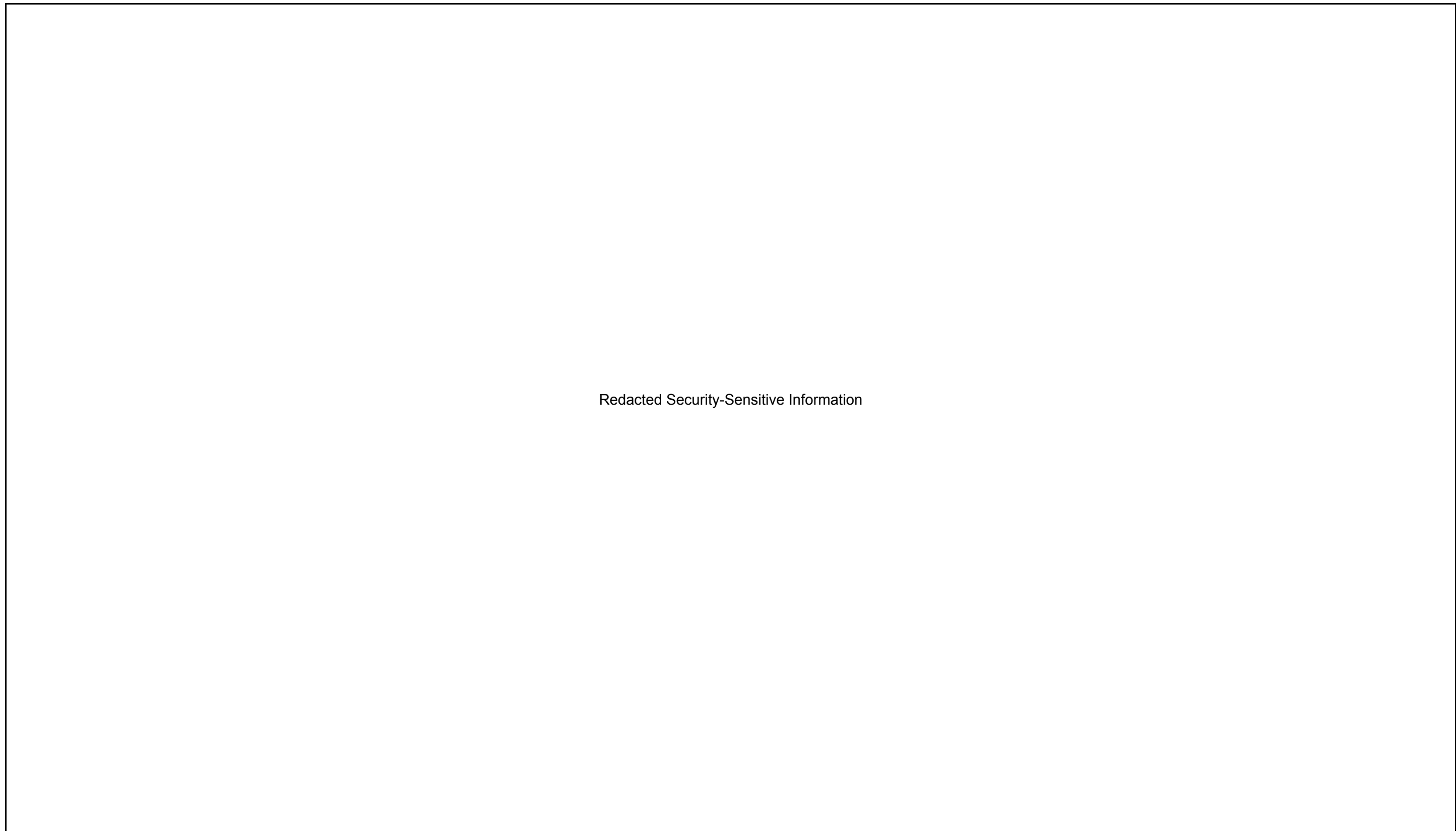


Figure 1.2-23e Radwaste Building, Sections A-A, B-B



Redacted Security-Sensitive Information

Figure 1.2-24 Turbine Building, General Arrangement at Elevation 2300 mm

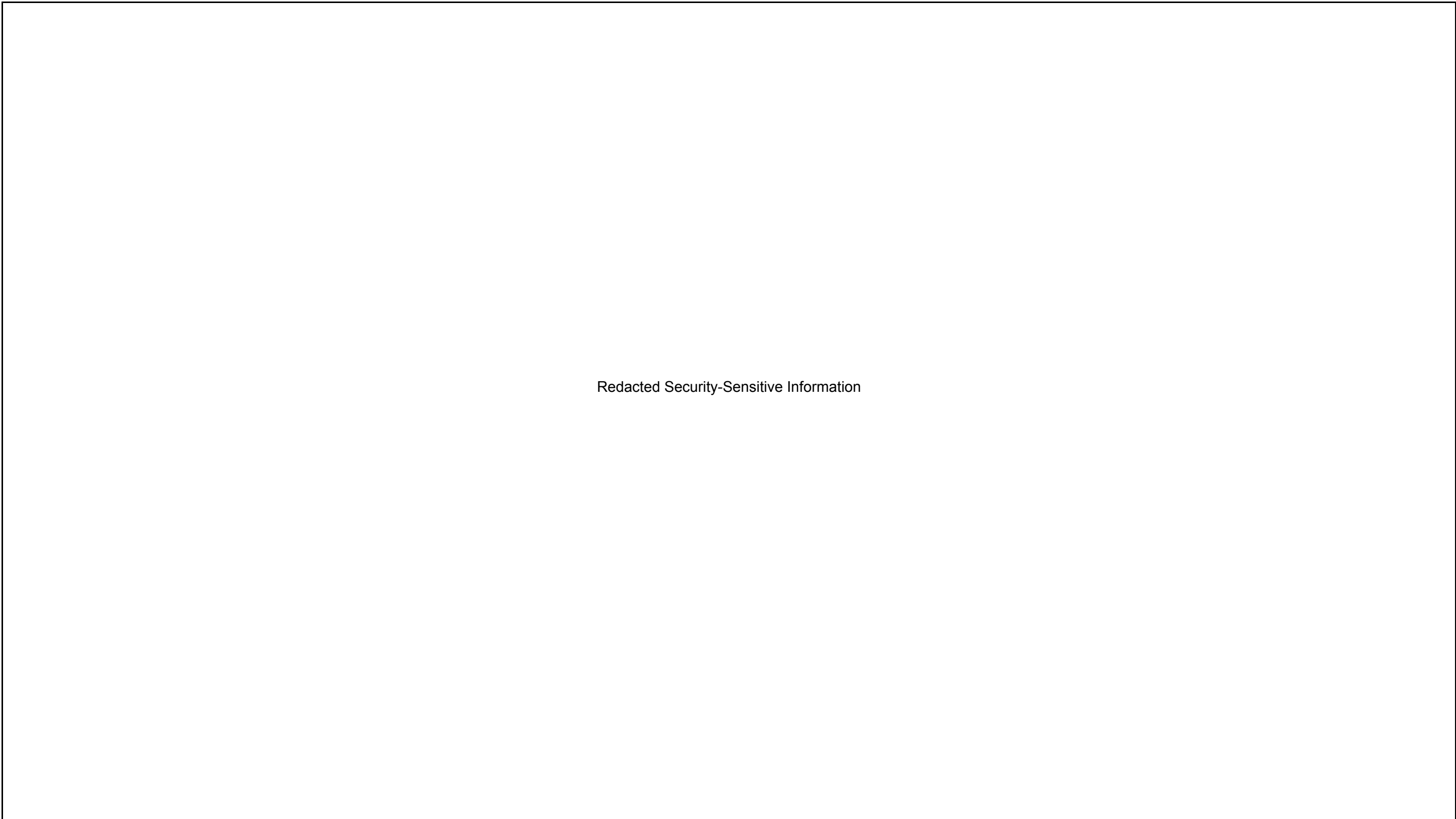


Figure 1.2-25 Turbine Building, General Arrangement at Elevation 6300 mm



Figure 1.2-26 Turbine Building, General Arrangement at Elevation 12300 mm



Figure 1.2-27 Turbine Building, General Arrangement at Elevation 19700 mm

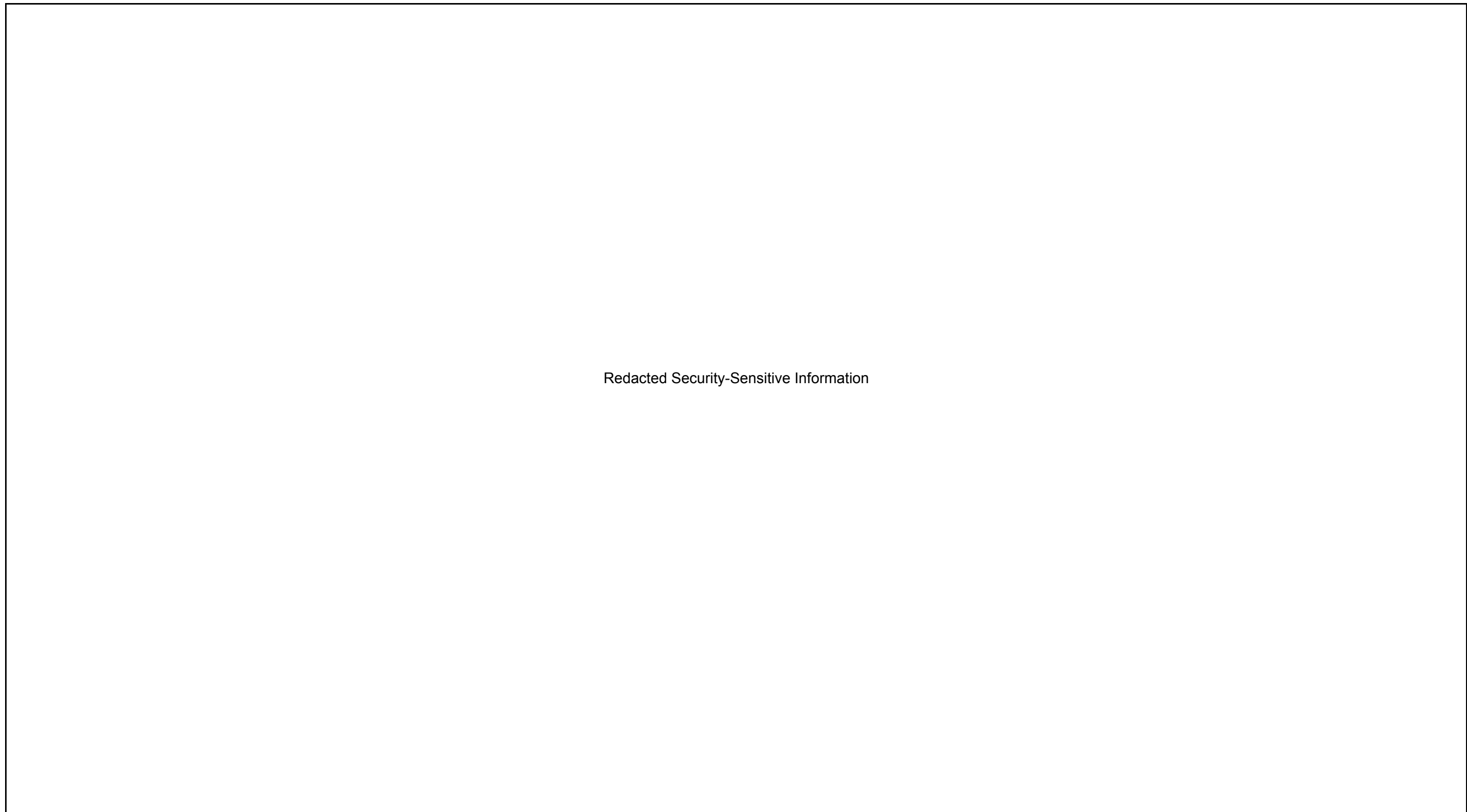


Figure 1.2-28 Turbine Building, General Arrangement at Elevation 24400 mm



Figure 1.2-29 Turbine Building, General Arrangement at Elevation 27800 mm



Figure 1.2-30 Turbine Building, General Arrangement at Elevation 38300 mm

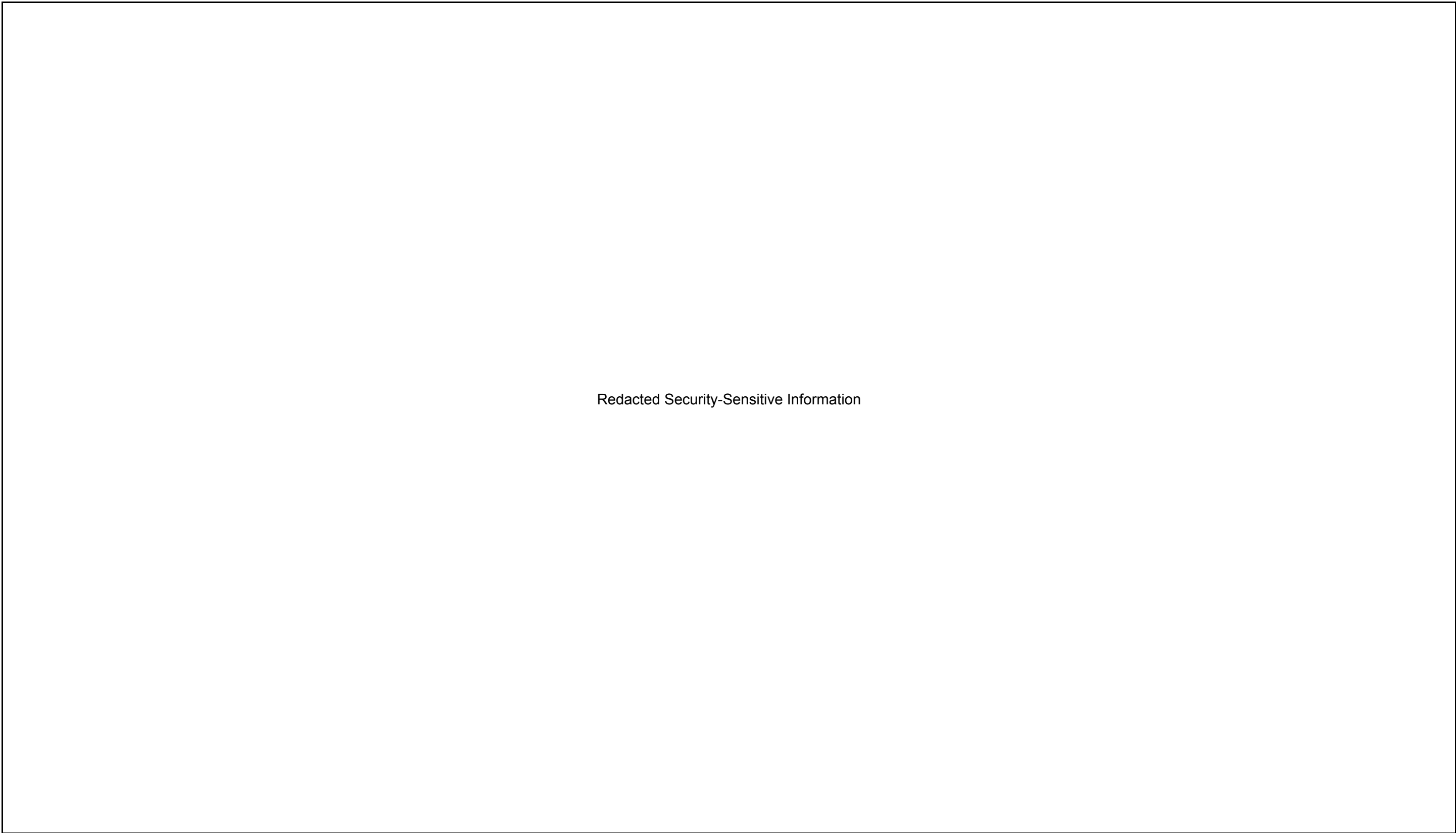


Figure 1.2-31 Turbine Building, General Arrangement at Elevation 47200 mm

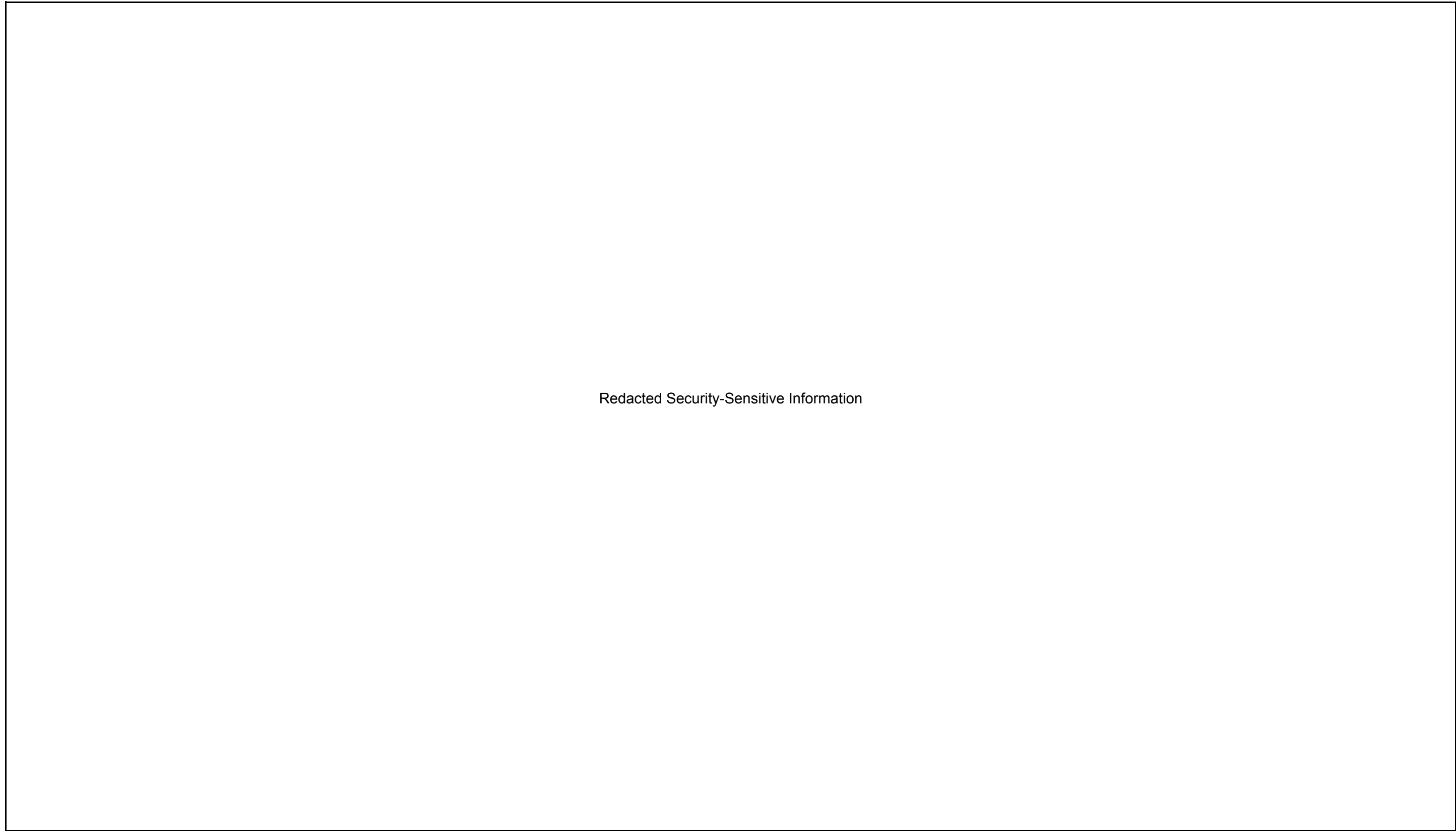


Figure 1.2-32 Turbine Building, General Arrangement at Section A-A

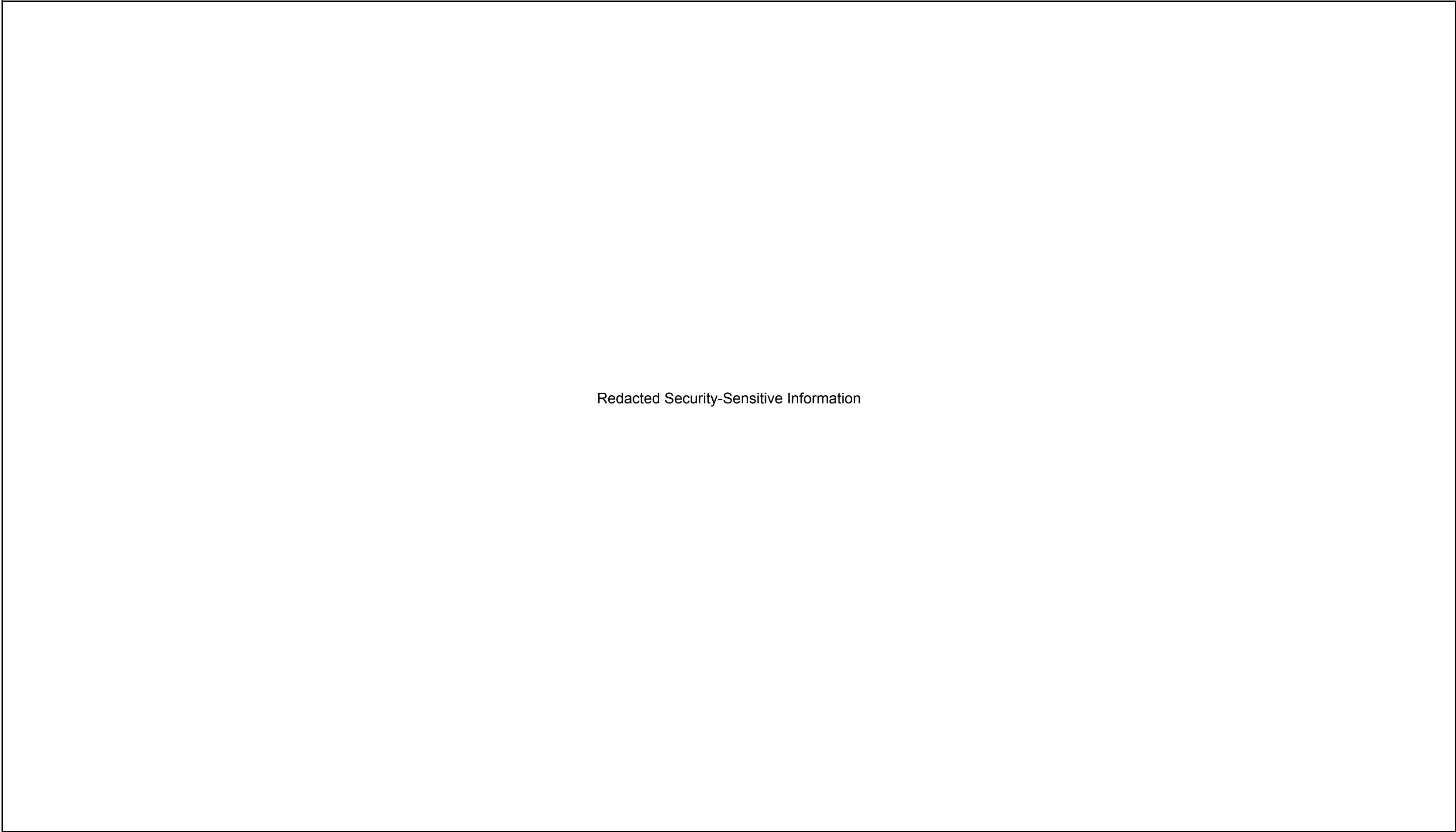


Figure 1.2-33 Turbine Building, General Arrangement at Section B-B

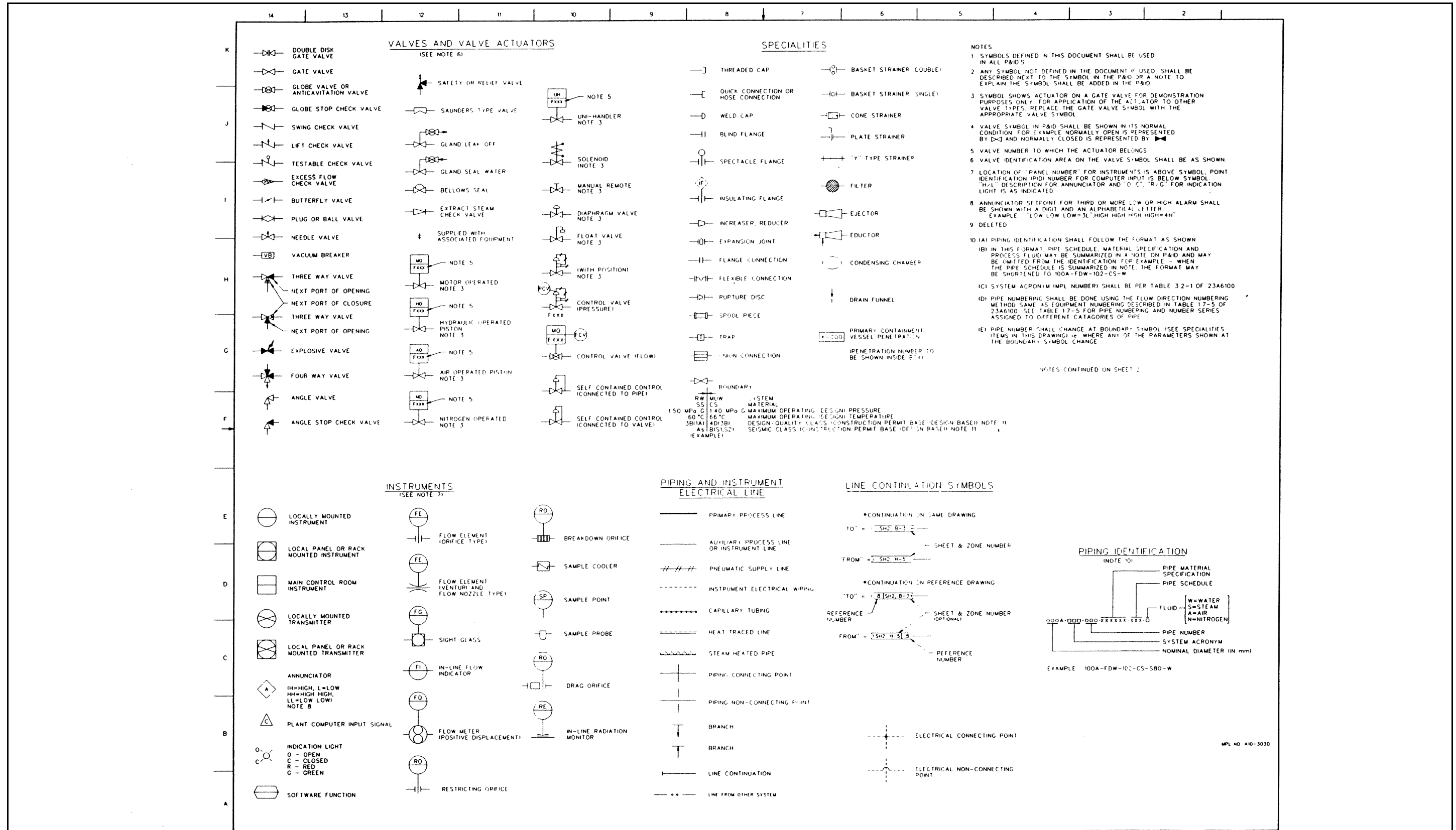


Figure 1.7-1 Piping and Instrumentation Diagram Symbols (Sheet 1 of 2)

		14	13	12	11	10	9	8	7	6	5	4	3	2				
K	J	TABLE 1 INSTRUMENT LEGENDS																
		MEASURED VARIABLE \ FUNCTION	AMPLIFIER	CONTROLLER	FUNCTION GENERATOR	PRIMARY ELEMENT	INDICATOR	INDICATING CONTROLLER	INDICATING RECORDER	INDICATING SWITCH	INTEGRATOR	RECORDER	RECORDER SWITCH	SAMPLER	SIGHT GLASS	SWITCH	TEST POINT	TRANSMITTER
I	H	CONCENTRATION	CN			CNE	CNI											
		CASING ELONGATION	SX			SXE	SXI				SXR				SXS		SXT	
G	F	DENSITY	D	DC		DE	DI		DIS	DR	DRS			DS	DX	DT		
		DEW POINT	DW			DWE	DWI			DWR					DWS	DWT		
E	D	DIFFERENTIAL ELONGATION	DX	DXAM		DXE	DXI			DXR				DXS	DXT			
		DIFFERENTIAL FLOW	DF				DFI		DFIS	DFR	DFRS				DFS	DFI		
C	B	DIFFERENTIAL PRESSURE	DP	DPC		DPI		DPIS	DPR	DPRS				DPS	DPX	DPT		
		DIFFERENTIAL TEMPERATURE	DT	DTC		DTI		DTIS	DTR	DTRS					DTS	DTI		
A		ECCENTRICITY	E	EAM		EE	EI			ER						ET		
		ELECTRICAL CONDUCTIVITY	C			CE	CI		CIS	CP		CSM		CS	CX	CT		
		ELECTRICAL CURRENT	A			AI				AR					AT	ATL		
		ELECTRICAL FREQUENCY	HZ			HZI				HZR					HZI	HZTL		
		ELECTRICAL POWER	W			WI				WR					WT	WTL		
		ELECTRICAL POTENTIAL	V			VI				VR					VT	VTL		
		FLOW	F	FC	FF	FE	FI	FIC	FIR	FIS	FO	FR	FRS	FG	FS	FX	FT	
		HYDROGEN	H2			H2E	H2I	H2IR	H2IS	H2R	H2RS	H2SM		H2S		H2I		
		HUMIDITY	M			ME	MI			MR					MT			
		HYDROGEN ION DENSITY	PH	PHAM	PHC	PHE	PHI			PHR		PHSM			PHX			
		LEVEL	L	LC		LE	LI		LIS	LR	LRS		LG	LS	LX	LI		
		NEUTRON FLUX	N	NAM	NC	NE	NI			NR					NX	NI		
		OXYGEN	O2	O2C		O2E	O2I	O2IR	O2IS	O2R	O2RS			O2S				
		PRESSURE	P	PC		PE	PI		PIS	PR	PRS			PS	PX	PI		
		POSITION	PO	POC		POE	POI		POIS	POR	PORS			POS		POT		
		RADIATION	R			RE	RI		RIS	RO	RR	RRS	RSM		RS	RX	RI	
		REDUCTION OXIDATION POTENTIAL DIFF	RO			ROE				ROD	ROP			ROS		ROI		
		SPEED OR ROTATION FREQUENCY	S	SAM	SC	SE	SI			SR				SS		SI		
		SIGNAL MONITOR	OS											OSS				
		SMOKE	SM			SME	SMI							SMS		SMI		
		TEMPERATURE	T	TC		TE	TI		TIS	TR	TRS			TS	TX	TI		
		TIME	TM	TMC		TM		TMIS	TMQ		TMRS							
		TORQUE	TQ			TOE				TQR				TQS		TQI		
		TURBIDITY	TU			TUE	TUI			TUR				TUS		TUI		
		VIBRATION	VB	VBC		VBE	VBI		VBIS	VBR				VBS		VBI		
		VIBRATION PHASE ANGLE	PA			PAE	PAI			PAR						PAT		
		VOLT-AMPERE REACTIVE POWER HOUR	QH			QHE				QHR					QHT	QHIL		
		VOLT-AMPERE REACTIVE POWER	Q			QE				QR					QT	QTL		
		WATT-HOUR	WH			WHE				WHR					WHI	WHIL		
		WEIGHT	WF	WFC		WFE	WFI			WFR				WFS				

ABBREVIATIONS

MATERIAL
 CS - CARBON STEEL
 SS - STAINLESS STEEL

SERVICE SUPPLY SOURCES
 AS - AIR SUPPLY
 ES - ELECTRICAL POWER SUPPLY
 NS - NITROGEN SUPPLY

FAILURE CONDITION
 FAI - FAIL AS-IS
 FO - OPEN ON AIR SUP
 FO - ELECTRICAL FAILURE
 FCI - CLOSE ON AIR SUP
 FCI - ELECTRICAL FAILURE

VALVE CONDITION
 LO - LOCKED OPEN
 LC - LOCKED CLOSED
 NO - NORMALLY OPEN
 NC - NORMALLY CLOSED
 NE - NORMALLY ENERGIZED
 ND - NORMALLY DE-ENERGIZED

MICELLEOUS
 AC - ALTERNATING CURRENT
 DC - DIRECT CURRENT

DRAINS
 LA - LOW CONDUCTIVITY WASTE
 HA - HIGH CONDUCTIVITY WASTE
 LD - LEAD DRAIN
 NR - NON-RADIOACTIVE DRAIN
 HS - HOT SHOWER DRAIN

CONTROL VALVES
 FCV - FLOW CONTROL VALVE
 PV - PRESSURE CONTROL VALVE
 LCV - LEVEL CONTROL VALVE
 TV - TEMPERATURE CONTROL VALVE

PRESSURE UNIT
 MPa - megapascal

NOTES (CONT)

DESIGN AND SAFETY CLASSIFICATION CORRELATION

BOUNDARY SYMBOL	DESIGN CLASS	QUALITY CLASS	REFERENCE TABLE 3.2-2 OF 23A6100	SAFETY DESIGNATION	QUALITY GROUP
1	A		SC-1	A	
2	B		SC-2	B	
3	A		SC-2	B	
4	B		SC-2	B	
5	A		SC-2	B	
6	B		SC-2	B	
7	C		SC-3	C	
8	D		NNS	C	
9	F		NNS	-	
10	B		SC-2	B	
11	D		NNS	D	
12	F		NNS	-	
13	C		NNS	-	
14	D		NNS	-	
15	F		NNS	-	

SEISMIC DESIGN CLASSIFICATION CORRELATION

BOUNDARY SYMBOL	SEISMIC CLASS	REFERENCE TABLE 3.2-2 OF 23A6100	SEISMIC CATEGORY
AS	A		I
B	B		I
C	C		I
D	D		NSC
F	F		NSC

NNS - NON NUCLEAR SAFETY
 NSC - NON SEISMIC CATEGORY

Figure 1.7-1 Piping and Instrumentation Diagram Symbols (Sheet 2 of 2)