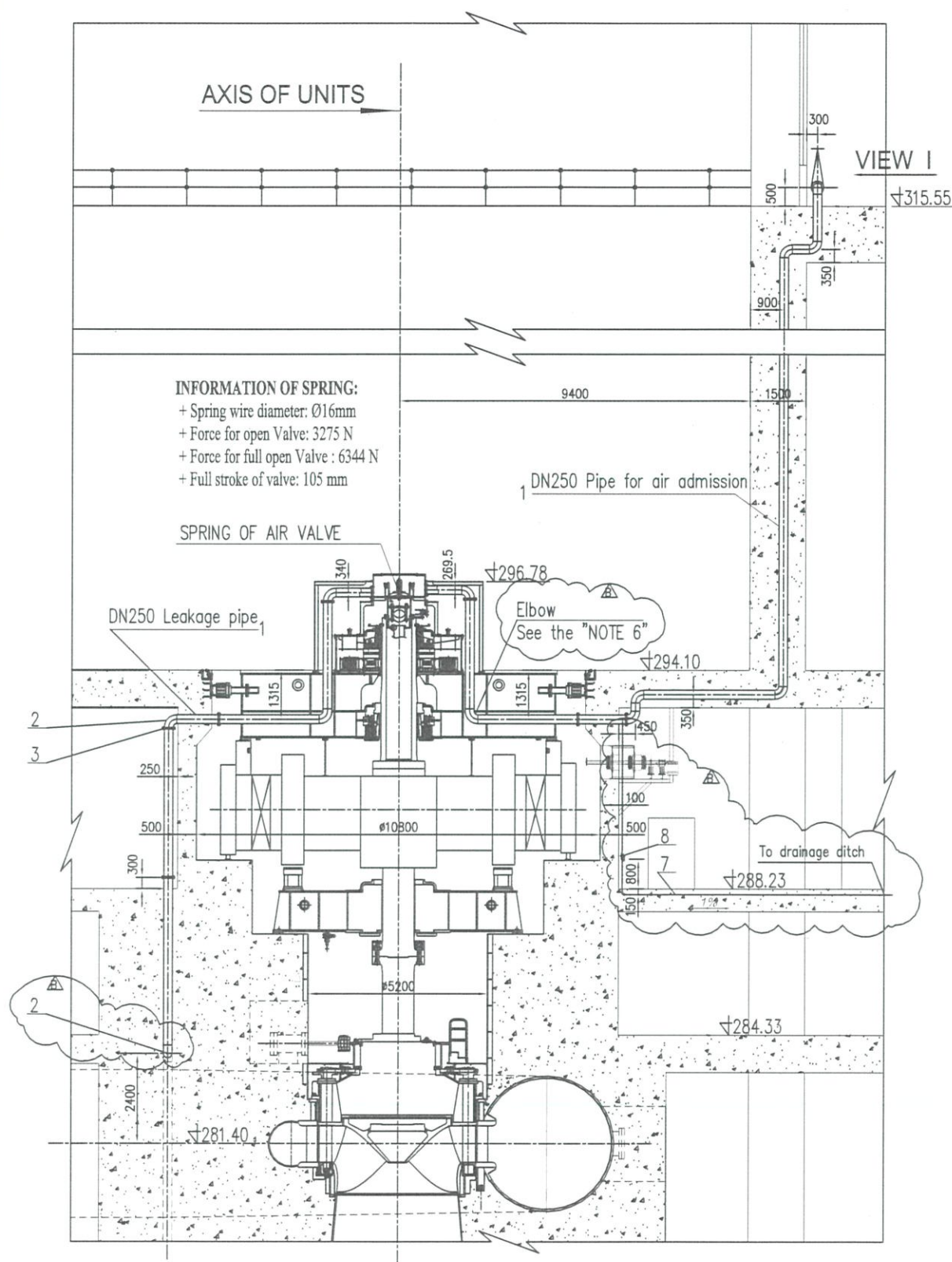
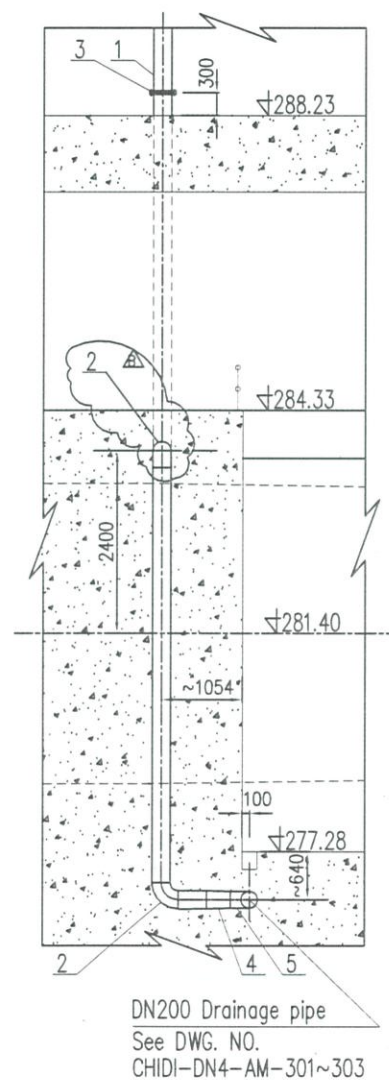


A — A
Scale 1:80

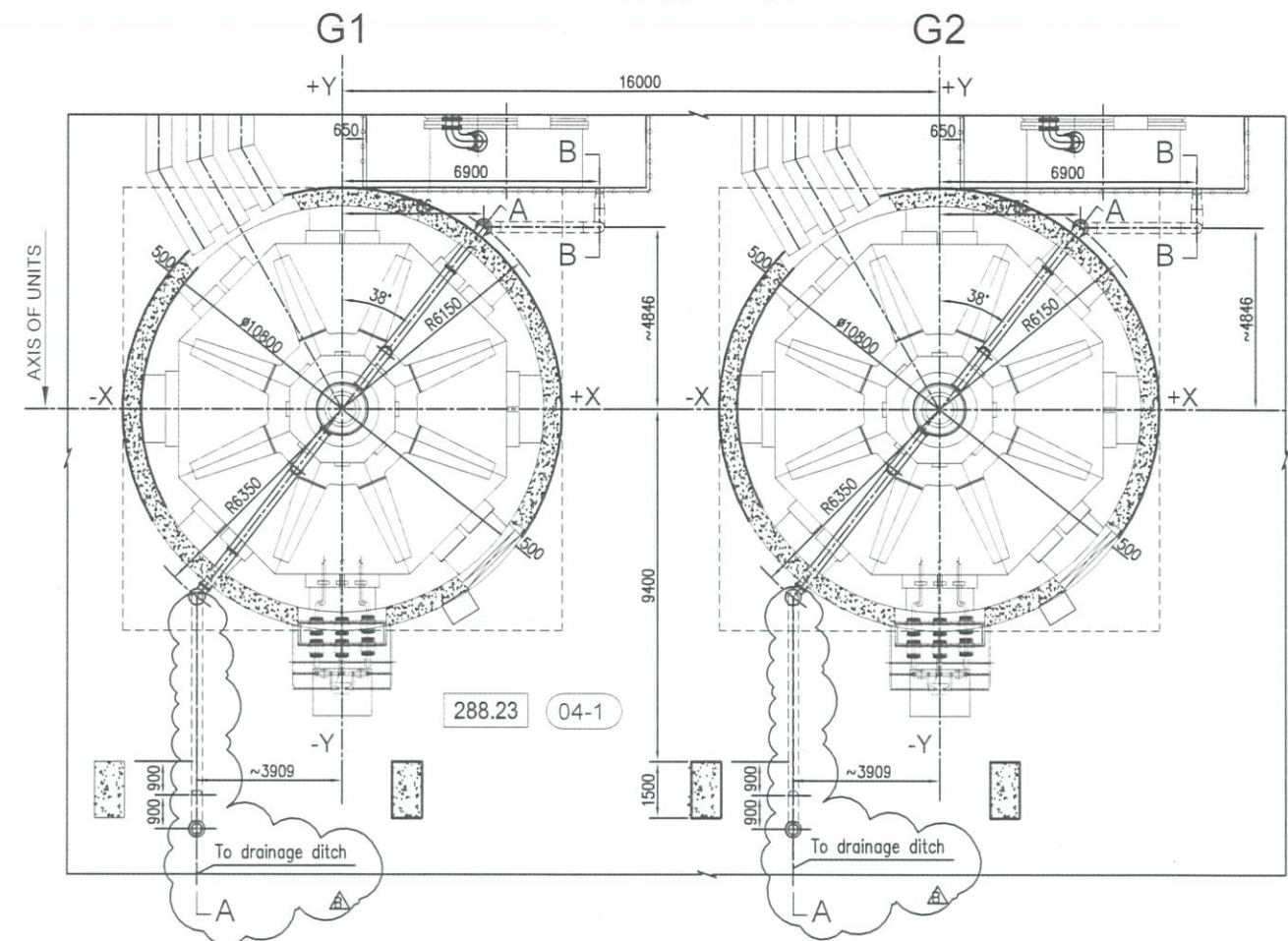


B — B
Scale 1:50

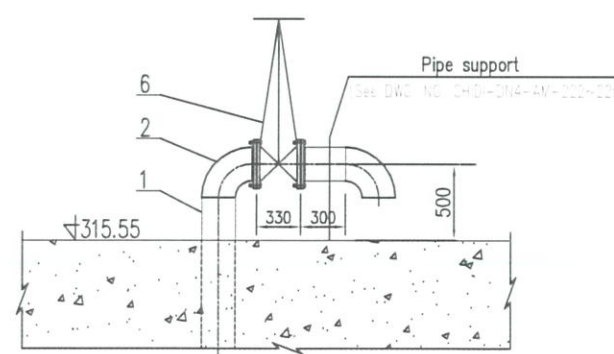


GENERAL PLAN LAYOUT (TOP VIEW FROM EL.471.20m)

Scale 1:100



VIEW I
Scale 1:25



8	Ball valve	DN15, PN1.0MPa, Screw connection type	Pcs.	2	Finish product
7	Steel pipe	Ø22x2, stainless	m	30	GB/T 12771-2000
6	Gate valve	DN250, PN1.0MPa	Pcs.	2	Finish product
5	Tee	DN200, PN1.0MPa, stainless	Pcs.	2	GB/T 12459-2005
4	Reducer	DN250/DN200, PN1.0MPa, stainless	Pcs.	2	GB/T 12459-2005
3	Flange	DN250, PN1.0MPa, stainless	Pcs.	16	GB/T 9119-2000
2	90° elbow	DN250 (short R), PN1.0MPa, stainless	Pcs.	22	GB/T 12459-2005
1	Steel pipe	Ø273x8, stainless	m	110	GB/T 12771-2000
No.	Name	Specification	Unit	Quan.	Remark

VIETNAM ELECTRICITY
represented by the Hydropower Project Management Unit No.6 (HPPMU No.6)
DONG NAI 4 HYDROPOWER PROJECT

ENGINEER Power Engineering Consulting Company No.3 (PECC3)

CONTRACTOR DONGFANG ELECTRIC CORPORATION
CHENGDU HYDROELECTRIC INVESTIGATION & DESIGN INSTITUTE OF CHECC

CONTRACT NO. LOT No.17 — ELECTRO-MECHANICAL EQUIPMENT SUPPLY

AUXILIARY MECHANICAL EQUIPMENT PART — Section 03 070

POWERHOUSE—PIPING LAYOUT OF MAIN SHAFT AIR ADMISSION

CONTRACTOR DWG. NO. CHDI-DN4-AM-304(R1)

DSGN	EXMD	VER.	B
CHKD	APPD	SCALE	On Drawing
		DATE	2008.09

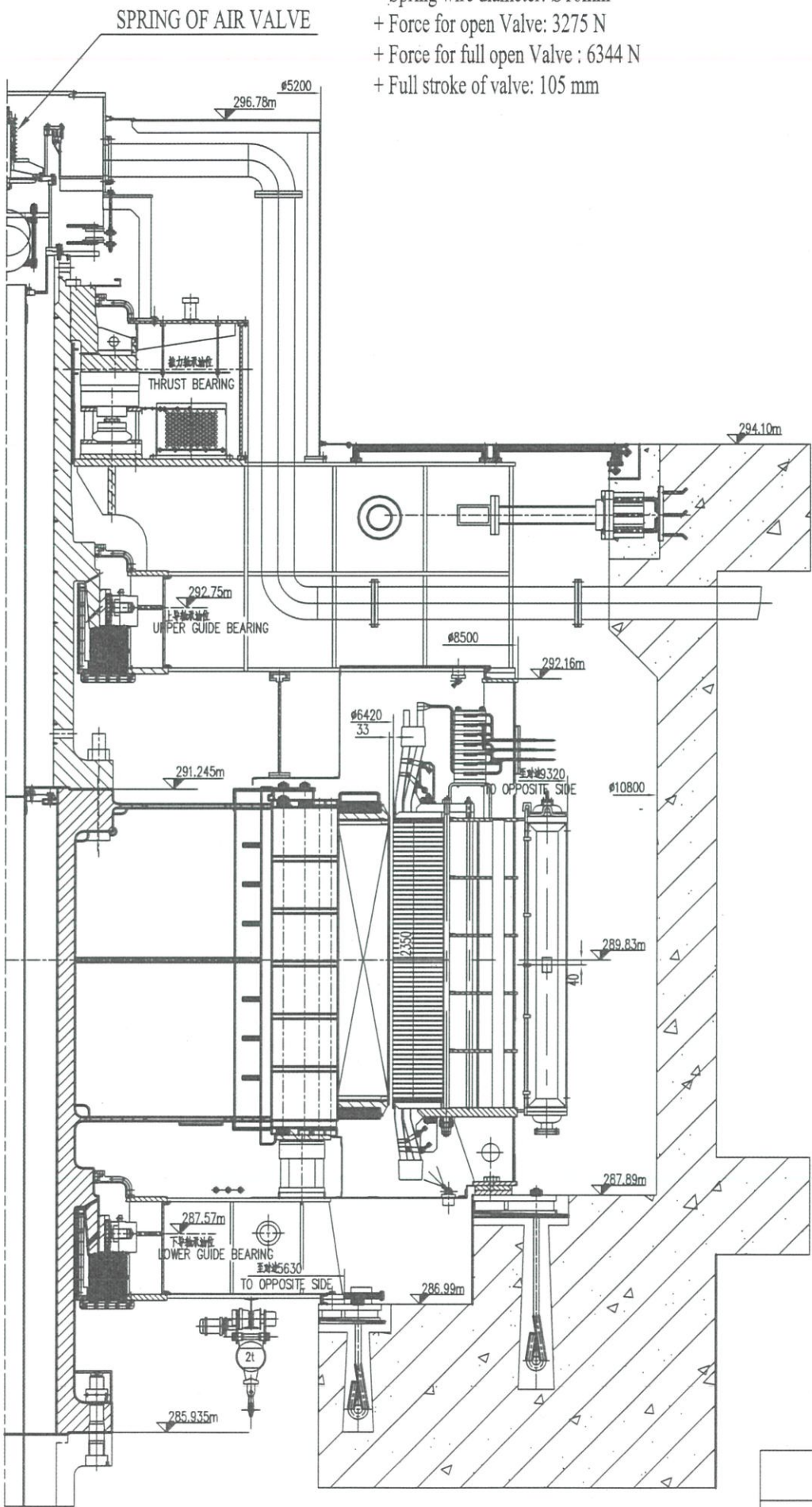
NOTE:

1. This drawing is a part of the project and should be used in accordance with the project specifications.
2. The drawing is a technical drawing and should be used in accordance with the project specifications.
3. The drawing is a technical drawing and should be used in accordance with the project specifications.
4. The drawing is a technical drawing and should be used in accordance with the project specifications.
5. The drawing is a technical drawing and should be used in accordance with the project specifications.
6. The drawing is a technical drawing and should be used in accordance with the project specifications.
7. The drawing is a technical drawing and should be used in accordance with the project specifications.
8. The drawing is a technical drawing and should be used in accordance with the project specifications.

NHÀ MÁY THỦY ĐIỆN ĐỒNG NAI 4				HỆ THỐNG KHÍ CẤP KHÍ VÀO TRỤC CHÍNH		
Chức năng	Thiết kế và lắp đặt	Ngày ký		Tỉ lệ	Đơn vị	Bản vẽ
Duyệt	Nguyễn Văn Hùng	27/11/2025				
Kiểm tra 2	Nguyễn Văn Hùng	27/11/2025				
Kiểm tra 1	Vũ Thanh Nam	27/11/2025				
Người vẽ	Đinh Vũ Quyền	27/11/2025				

INFORMATION OF SPRING:

- + Spring wire diameter: Ø16mm
- + Force for open Valve: 3275 N
- + Force for full open Valve : 6344 N
- + Full stroke of valve: 105 mm



发电机规格
RATING FOR GENERATOR

1	型号 TYPE	SF170-24/7250	9	飞逸转速 RUNAWAY SPEED	475 r/min
2	额定容量 RATED OUTPUT	200/170 MVA/MW	10	旋转方向 DIRECTION OF ROTATION	顺时针 CLOCKWISE VIEWED FROM TOP
3	额定电压 RATED VOLTAGE	15.75 kV	11	冷却方式 TYPE OF COOLING	密闭自循环空气冷却 AIR COOLING
4	额定电流 RATED CURRENT	7331 A	12	励磁方式 TYPE OF EXCITATION	可控硅励磁 STATIC SCR
5	功率因数 RATED POWER FACTOR	0.85 (滞后)	13	绝缘等级 CLASS OF INSULATION	F
6	相数 NUMBER OF PHASE	3	14	额定励磁电流 RATED EXCITATION CURRENT	1430 A
7	频率 FREQUENCY	50Hz	15	额定励磁电压 RATED EXCITATION VOLTAGE	344
8	额定转速 RATED SPEED	250 r/min	16	推力轴承负荷 LOAD ON THRUST BEARING	7000 kN

技术数据
TECHNICAL DATA

1	冷却器入口水温 TEMPERATURE OF WATER INLET FOR COOLERS	30 °C
2	冷却器入口水压 WORKING WATER PRESSURE OF COOLERS	air cooler: 0.5 ~ 0.7 MPa oil cooler: 0.2 ~ 0.6 MPa
3	空气冷却器水量 COOLING WATER CONSUMPTION FOR AIR COOLER	530 m³/h
4	推力轴承冷却器水量 COOLING WATER CONSUMPTION FOR THRUST BEARING COOLER	130 m³/h
5	上导轴承冷却器水量 COOLING WATER CONSUMPTION FOR UPPER GUIDE BEARING COOLER	20 m³/h
6	下导轴承冷却器水量 COOLING WATER CONSUMPTION FOR LOWER GUIDE BEARING COOLER	20 m³/h
7	轴承润滑油牌号 LUBRICATING OIL MARKING	L-TSA4 TURBINE OIL
8	推力轴承润滑油量 QUANTITY OF LUBRICATING OIL REQUIRED FOR THRUST BEARING	6 m³
9	上导轴承润滑油量 QUANTITY OF LUBRICATING OIL REQUIRED FOR UPPER GUIDE BEARING	1.7 m³
10	下导轴承润滑油量 QUANTITY OF LUBRICATING OIL REQUIRED FOR LOWER GUIDE BEARING	1.7 m³
11	制动气压 PNEUMATIC PRESSURE FOR BREAKING	0.6 ~ 0.8 MPa
12	顶起油压 OIL PRESSURE FOR JACKING	10 MPa
13	一次制动耗气量 COMPRESSED AIR CONSUMPTION FOR ONCE BREAKING	20 m³
14	制动时间 TIME FOR BREAKING	2 min
15	飞轮效应 FLY WHEEL EFFECT	8000 t-m²

VIETNAM ELECTRICITY represented by the Hydropower Project Management Unit No.6 (HPPMU No.6) DONG NAI 4 HYDROPOWER PROJECT			
ENGINEER: Power Engineering Consulting Company No.3 (PECC3)			
CONTRACTOR: DONGFANG ELECTRIC CORPORATION			
MANUFACTORY: DONG FANG ELECTRICAL MACHINERY CO., LTD.			
CONTRACT NO.: LOT No.17 SUPPLY OF ELECTROMECHANICAL EQUIPMENT AND TECHNICAL SERVICES			
EQUIPMENT NAME: GENERATOR Section No: 05 040			
第1页 共2页 SHEET OF	重量 WT. (kg)	比例 SCALE 1:25	发电机剖面图 GENERATOR SECTION DRAWING
设计 DES: 张景林	审核 APPR: 张景林	业主图章 OWNER No.	制造商图章 MANUFACTURER No.
校核 CHK: 张景林	批准 APPR: 张景林	日期 DATE: 2007.9.21	DEC-DFEM-DN4-G-001 1F7550-S

NHÀ MÁY THỦY ĐIỆN ĐỒNG NAI 4			
HỆ THỐNG KHÍ CẤP KHÍ VÀO TRỤC CHÍNH			
Chức năng	Ho PHAT DIEN I	Ngày ký	
Duyệt	Nguyễn Quang Đam	01/12/2025	
Kiểm tra 2	Nguyễn Khắc Trường	01/12/2025	
Kiểm tra 1	Vũ Thanh Năm	01/12/2025	
Người vẽ	Đinh Vũ Quỳnh	01/12/2025	
Tỉ lệ: 1:50	Đơn vị: mm	Bản vẽ: 1:1	