GENERAL NOTES FOR VENTILATION AIR CONDITIONING AND PLUMBING SYSTEM

	INDOOR DESIGN CO	ONDITIONS	:	25±1°CDB,50±10%RH
	VENTILATION REQUIREMENT			
	ROOM WORK SHOP IN PUMP HOUSE			VENTILATION RATE
			:	20 AC/H
	WORK SHOP IN AD	MINISTRATION BLDG TOILET	:	15 AC/H
	SUB-STATION		:	15 AC/H
	DC POWER UNIT R	ООМ	:	30 AC/H
2.	LEGEND			
	SYMBOL	DESCRIPTION		
		POTABLE WATER PIPE		
		SEWAGE PIPE		
	$ \!$	GATE VALVE		
	$\rightarrow \!$	CHECK VALVE		+ ;
	- (\$)-	STRAINER "Y" TYPE		
		AIR CONDITIONER,		
	0	OUTDOOR CONDENSING UNI	T	
	←Ø	EXHAUST FAN		
	-8 -	AXIAL FLOW FAN		
	\boxtimes	MANHOLE		
	(S)	LEVEL SWITCH		

: 37°CDB,23°CWB

1. DESIGN CRITERIA

OUTDOOR DESIGN CONDITIONS

ABBREVIATIONS

SAR SUPPLY AIR REGISTER CUBIC METER PER MINUTES CMM RA RETURN AIR SA SUPPLY AIR TYP. TYPICAL VAC VENTILATION AND AIR CONDITIONING AC/H AIR CHANGE PER HOUR DB DRY BULB RH RELATIVE HUMIDITY A/C AIR CONDITIONER

4. GENERAL NOTES

- 4.1 DRAWING OF VENTILATION, AIR CONDITIONING AND PLUMBING SYSTEM SHALL BE READ' IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND OTHER SERVICES DRAWINGS.
- 4.2 ALL DIMENSIONS ARE MILLEMETER UNLESS OTHERWISE INDICATED.
- 4.3 THE WORK SHALL BE EXE CUTED IN CLOSE COORDINATION WITH
- 4.4 ALL FLOOR MOUNTED EQUIPMENT SHALL BE PROVIDE WITH VIBRATION ISOLATORS TO PREVENT VIBRATION AND NOISE TRANSMISSION.
- 4.5 PRIMARY POWER TO THE MOTOR CONTROL PANEL (MCP) SHALL BE SUPPLIED BY THE ELECTRICAL WORK. MCP AND WIRING BETWEEN MCP AND EQUIPMENT SHALL ALSO BE THE SCOPE OF THE ELECTRICAL WORK.
- 4.6 PROVIDE AUTOMATIC AIR VENT VALVE AT HIGH POINT AND DRAIN VALVE AT LOW POINT IN THE WATER PIPING SYSTEM.
- 4.7 PROVIDE PIPE SLEEVES FOR ALL PIPING PASSING THROUGH BUILDING STRUCTURE.
- 4.8 PROVIDE ACCESS DOOR AT THE PIPE SHAFT AND ACCESS PANEL AT THE CEILING WHERE REQUIRED FOR PROPER OPERATION AND MAINTENANCE.
- 4.9 THE CONDENSATE DRAINPIPE SHALL BE DISCHARGED TO THE GROUND.
- 4.10 LOCATION OF OUTDOOR AIR INTAKE LOUVERS SHOWN ON THE DRAWINGS SHALL BE INDICATIVE ONLY AND SHALL BE REFERRED TO THE ARCHITECTURAL DRAWINGS.
- 4.11 ROOF OVER THE AIR CONDITIONED SPACE SHALL BE INSULATED.
- 4.12 THE PROPELLER TYPE EXHAUST FAN SHALL BE PROVIDED WITH GRAVITY LOUVER AND INSECT SCREEN.

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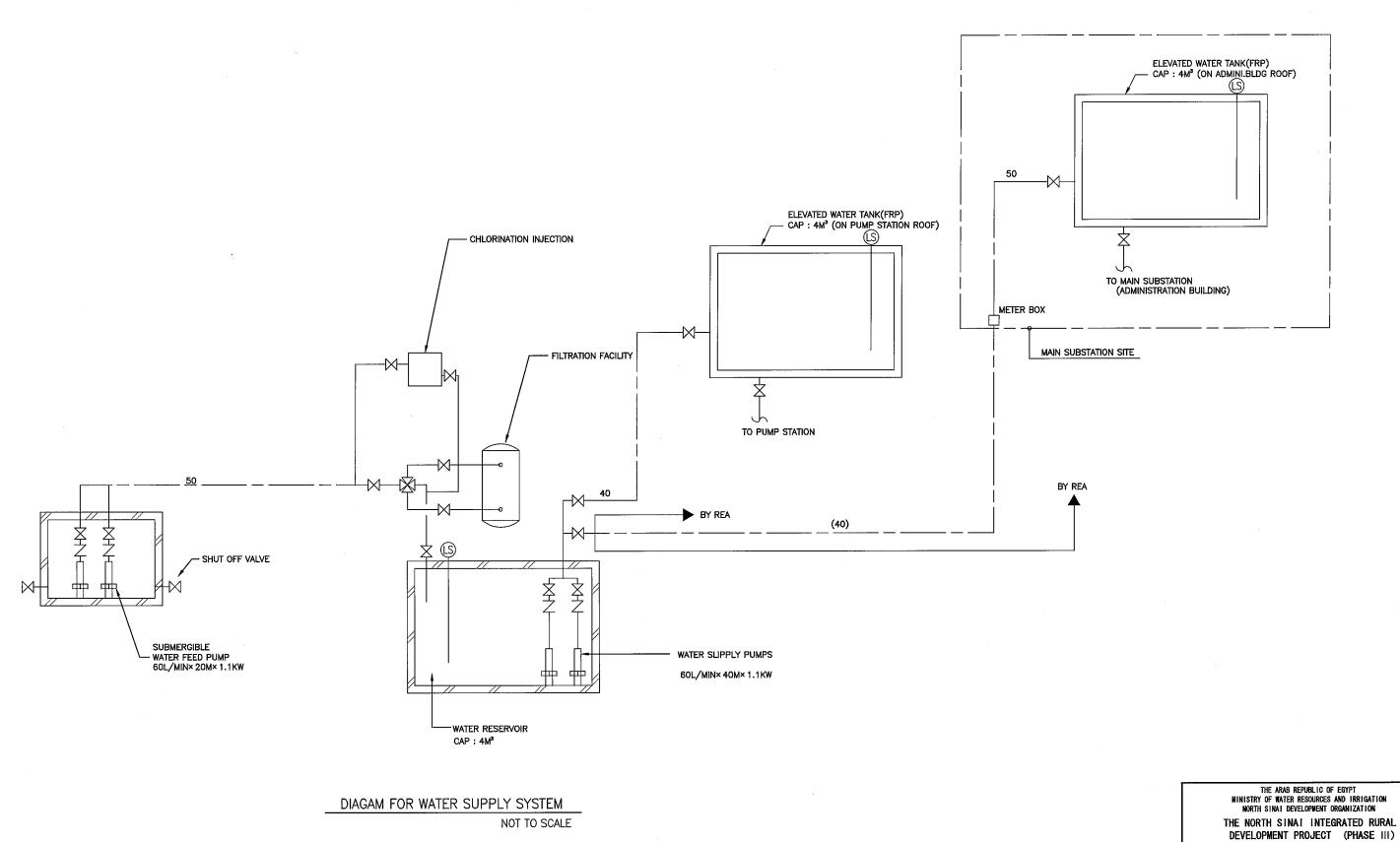
THE NORTH SINAI INTEGRATED RURAL DEVELOPMENT PROJECT (PHASE III)

CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL BETWEEN KM 108.466 AND KM 118.560 EL SALAAM No.7 (BIR EL ABD) PUMPING STATION

PUMP HOUSE GENERAL NOTES FOR VAC AND PLUMBING SYSTEM

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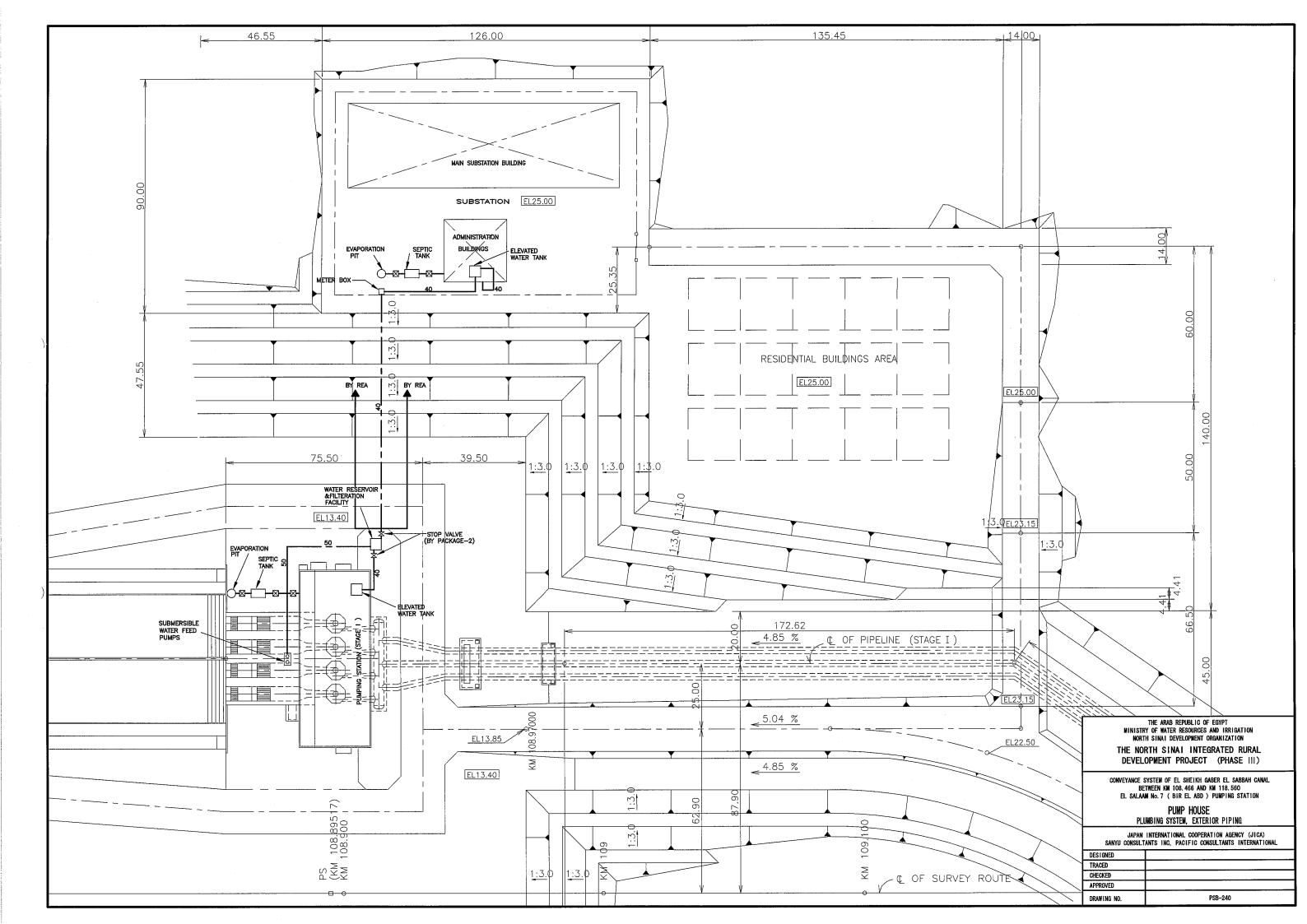
DEVELOPMENT PROJECT (PHASE III)

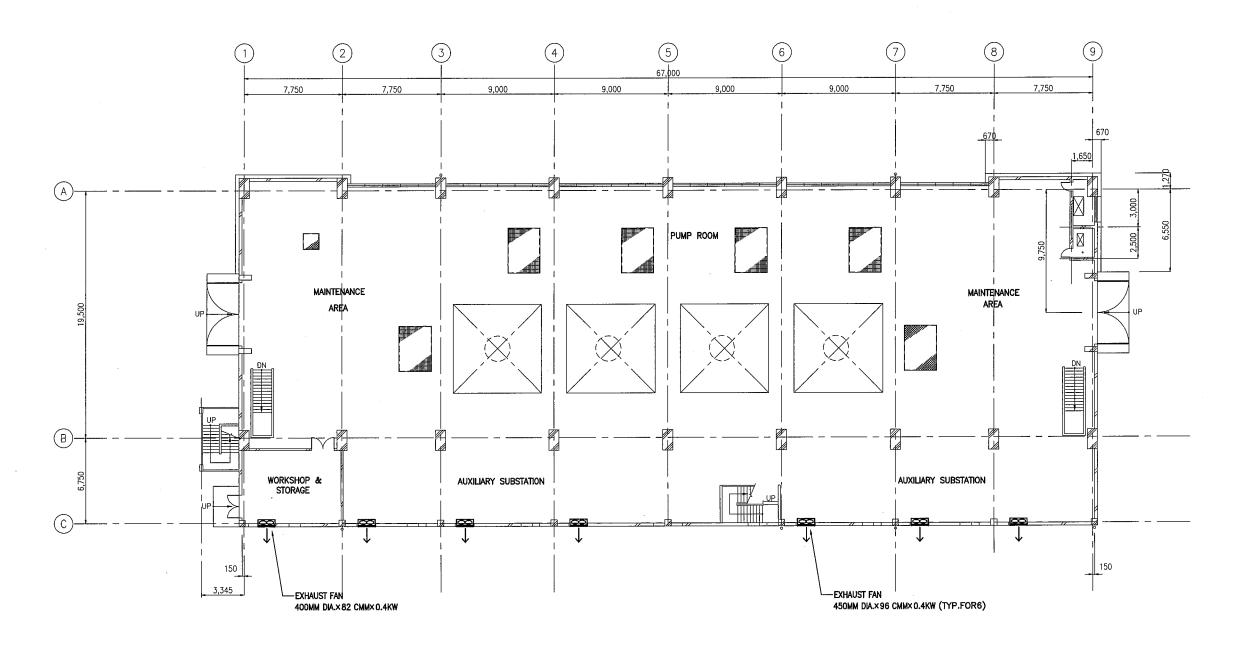
CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL BETWEEN KM 108,466 AND KM 118,560 EL SALAAM No.7 (BIR EL ABD) PUMPING STATION

PUMP HOUSE DIAGRAM FOR WATER SUPPLY SYSTEM

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VETTILATION AND AIR CONDITIONING SYSTEM, GROUND FLOOR

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THE NORTH SINAI INTEGRATED RURAL DEVELOPMENT PROJECT (PHASE III)

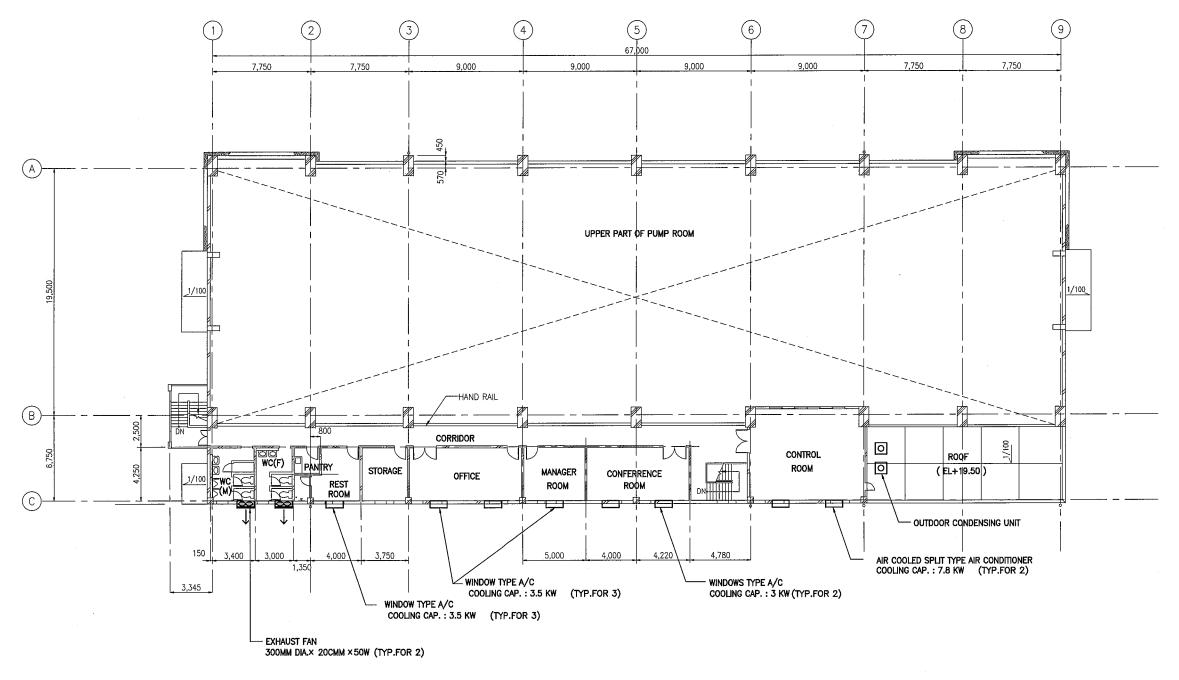
CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL BETWEEN KM 108.466 AND KM 118.560 EL SALAAM No.7 (BIR EL ABD) PUMPING STATION

PUMP HOUSE

VENTILATION AND AIR CONDITIONING SYSTEM, GROUND FLOOR

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VENTILATION AND AIR CONDITIONING SYSTEM, FIRST FLOOR

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THE NORTH SINAI INTEGRATED RURAL

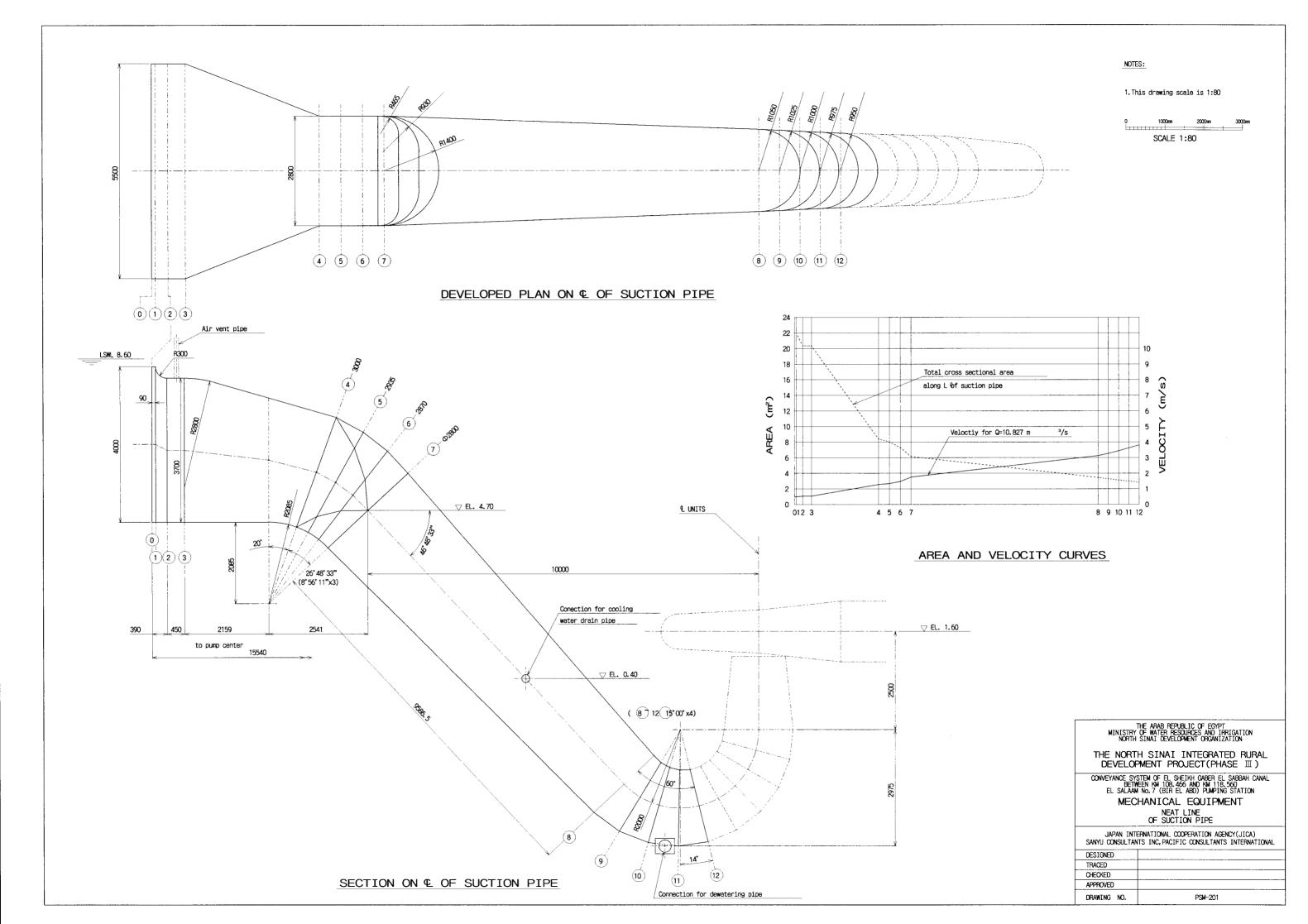
DEVELOPMENT PROJECT (PHASE III)

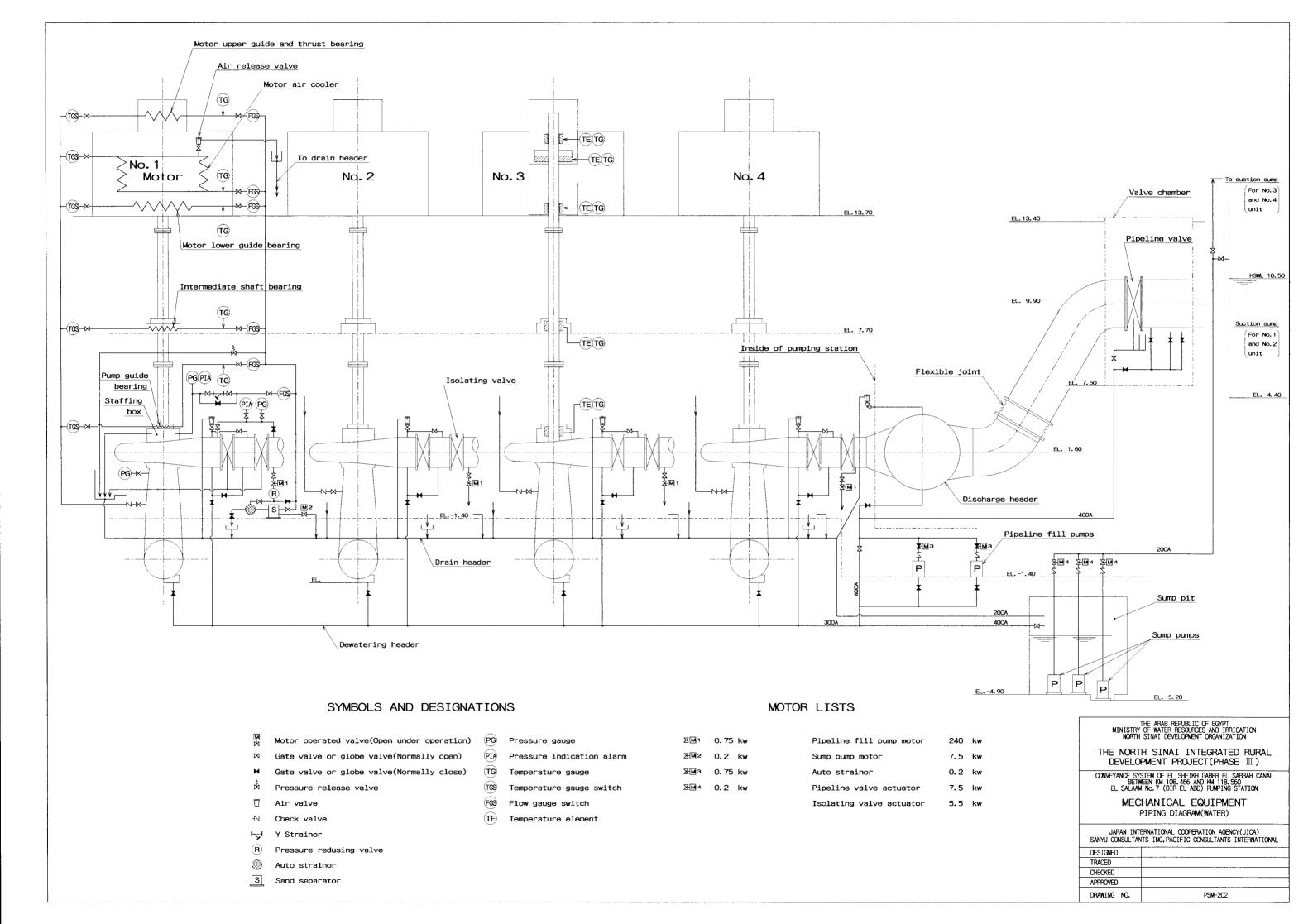
CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL BETWEEN KM 108.466 AND KM 118.560 EL SALAAM No.7 (BIR EL ABD) PUMPING STATION

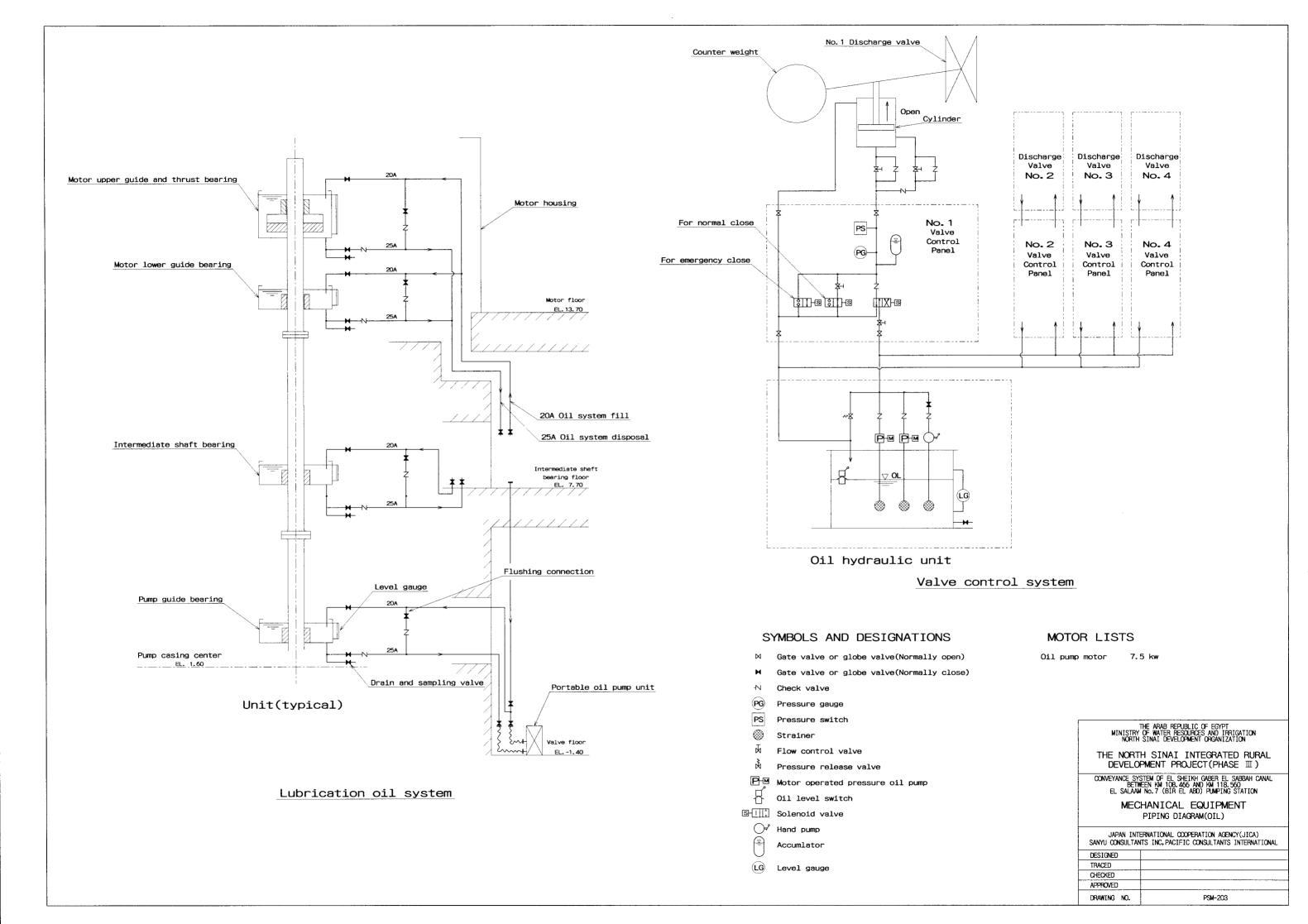
PUMP HOUSE
VENTILATION AND AIR CONDITIONING SYSTEM, FIRST FLOOR

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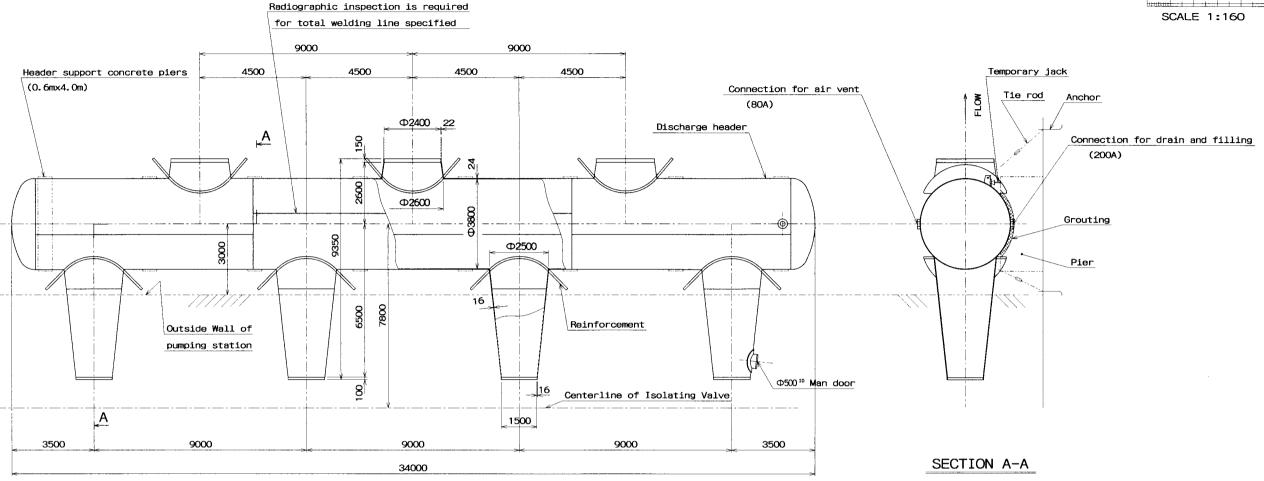


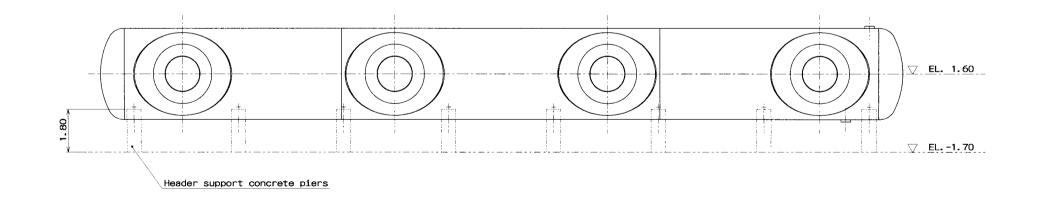


NOTES:

1. This drawing scale is 1:160

0 1000mm 2000mm 3000mm 4000mm 5000mm





THE ARAB REPUBLIC OF EGYPT
MINISTRY OF WATER RESOURCES AND IRRIGATION
NORTH SINAI DEVELOPMENT ORGANIZATION

THE NORTH SINAI INTEGRATED RURAL DEVELOPMENT PROJECT(PHASE II)

CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL
BETMEEN KM 108. 456 AND KM 118. 550
EL SALAAM NO. 7 (BIR EL ABD) PUMPING STATION
MECHANICAL EQUIPMENT
GENERAL ARRANGEMENT
OF DISCHARGE HEADER

JAPAN INTERNATIONAL COOPERATION AGENCY(JICA)
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