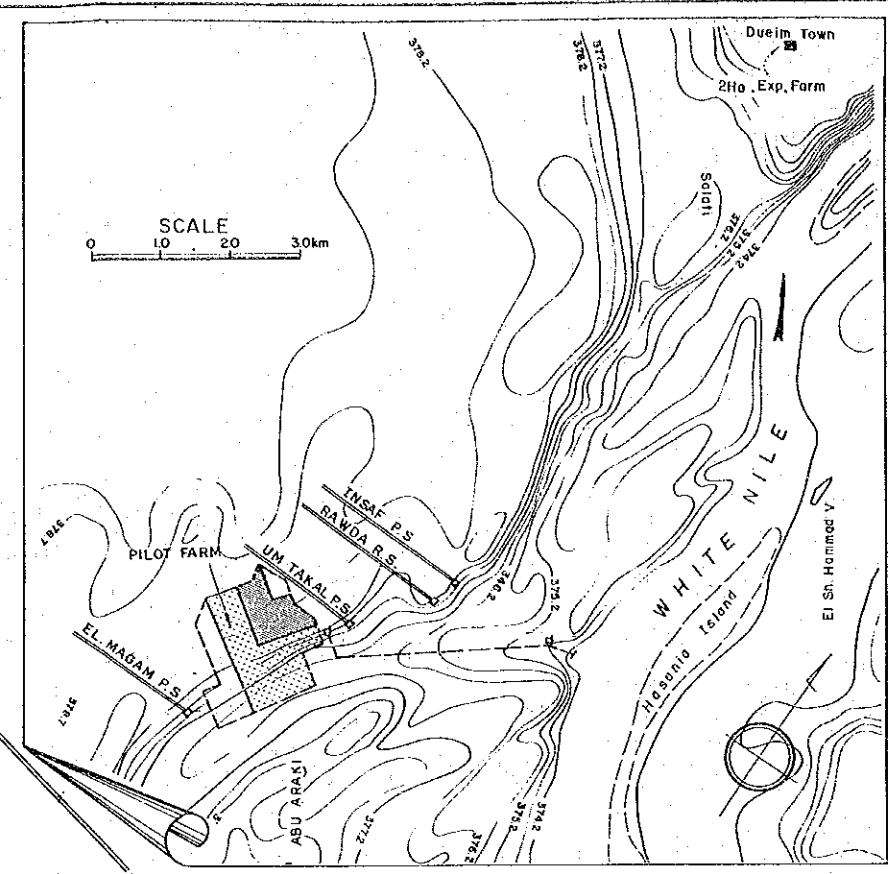
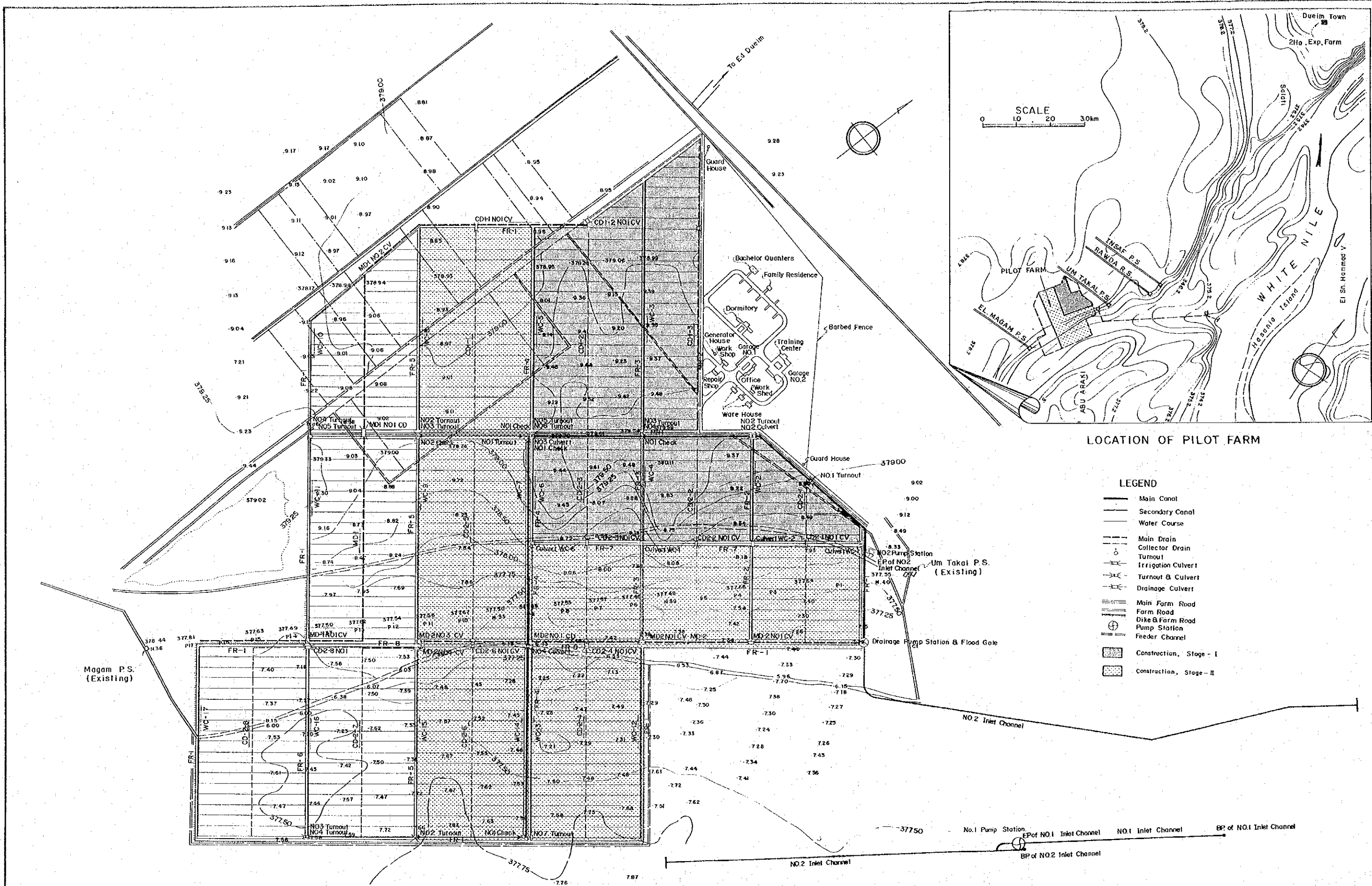


## DRAWINGS

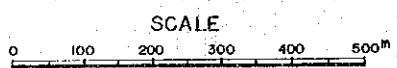
<u>Plate No.</u>	<u>Title</u>
1.	General Layout
2.	No.1 Irrigation Pump Station, Layout
3.	- Do - , Pump House
4.	Drainage Pump Station & Flood Gate
5.	Typical Cross Sections of Canals, Roads & Flood Dike
6.	Culvert & Turnout
7.	Plot Plan of Buildings
8.	Bachelor Quarters
9.	Family Residence
10.	Garage No.1 & Guard House
11.	Warehouse
12.	Drainage Pump House & Work Shed
13.	Training Center Building
14.	Dormitory for Trainees
15.	Garage No.2 & Repair Shop



LOCATION OF PILOT FARM

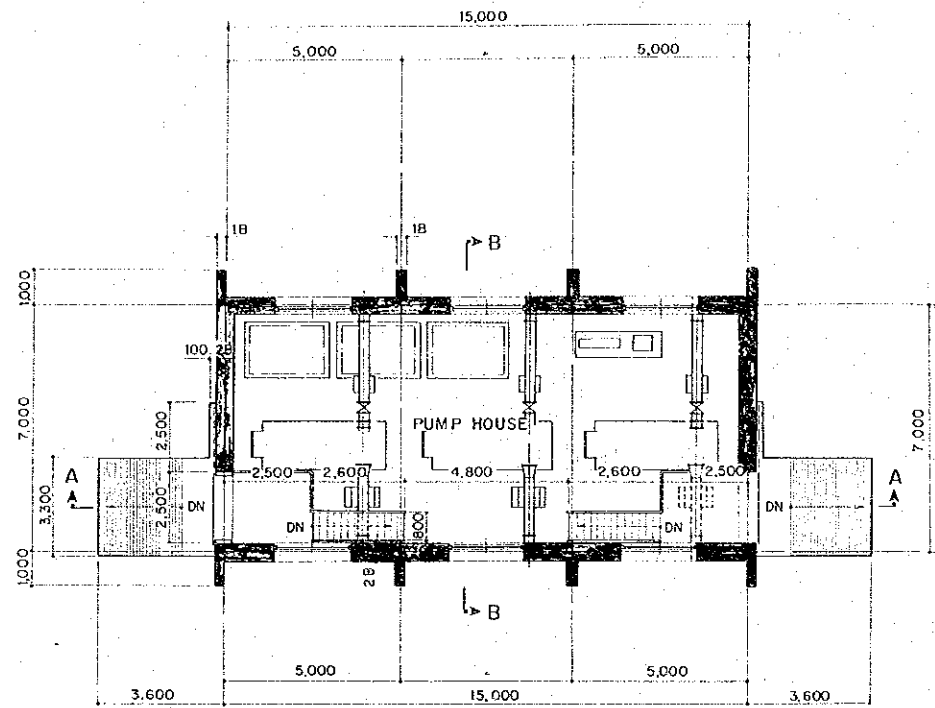
LEGEND

- Main Canal
- Secondary Canal
- Water Course
- Main Drain
- Collector Drain
- Turnout
- Irrigation Culvert
- Turnout & Culvert
- Drainage Culvert
- Main Farm Road
- Farm Road
- Dike & Farm Road
- ⊕ Pump Station
- ⊕ Feeder Channel
- ▨ Construction, Stage - I
- ▩ Construction, Stage - II

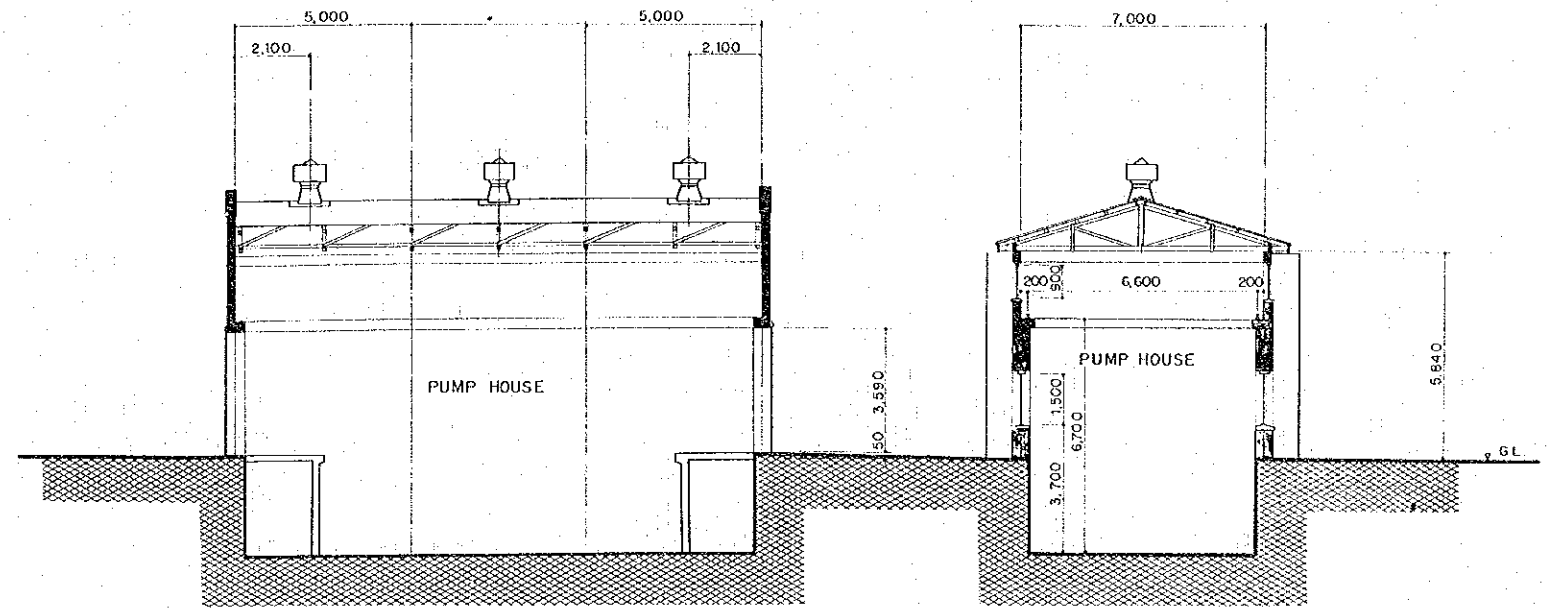


THE DEMOCRATIC REPUBLIC OF THE SUDAN MINISTRY OF AGRICULTURE, FOOD AND NATURAL RESOURCES ABU GASABA PILOT FARM	TITLE OF DRAWING <b>LOCATION MAP AND GENERAL LAYOUT</b>	APPROVED _____ DATE
	JAPAN INTERNATIONAL COOPERATION AGENCY	



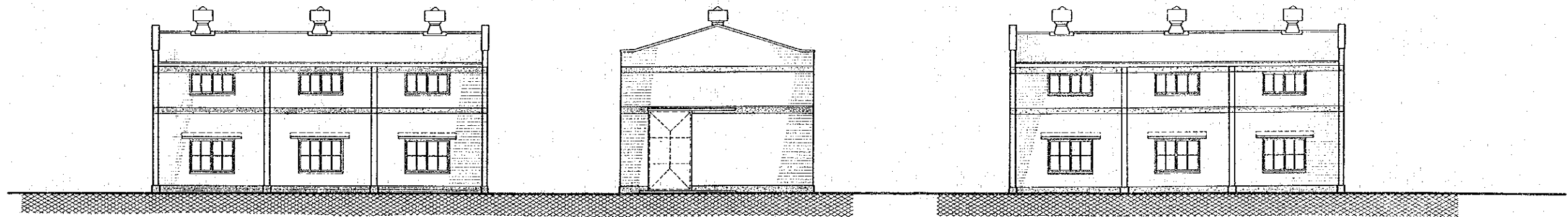


FLOOR PLAN ( FLOOR AREA 105m<sup>2</sup> )



SECTION A - A

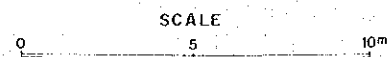
SECTION B - B



FRONT ELEVATION

SIDE ELEVATION

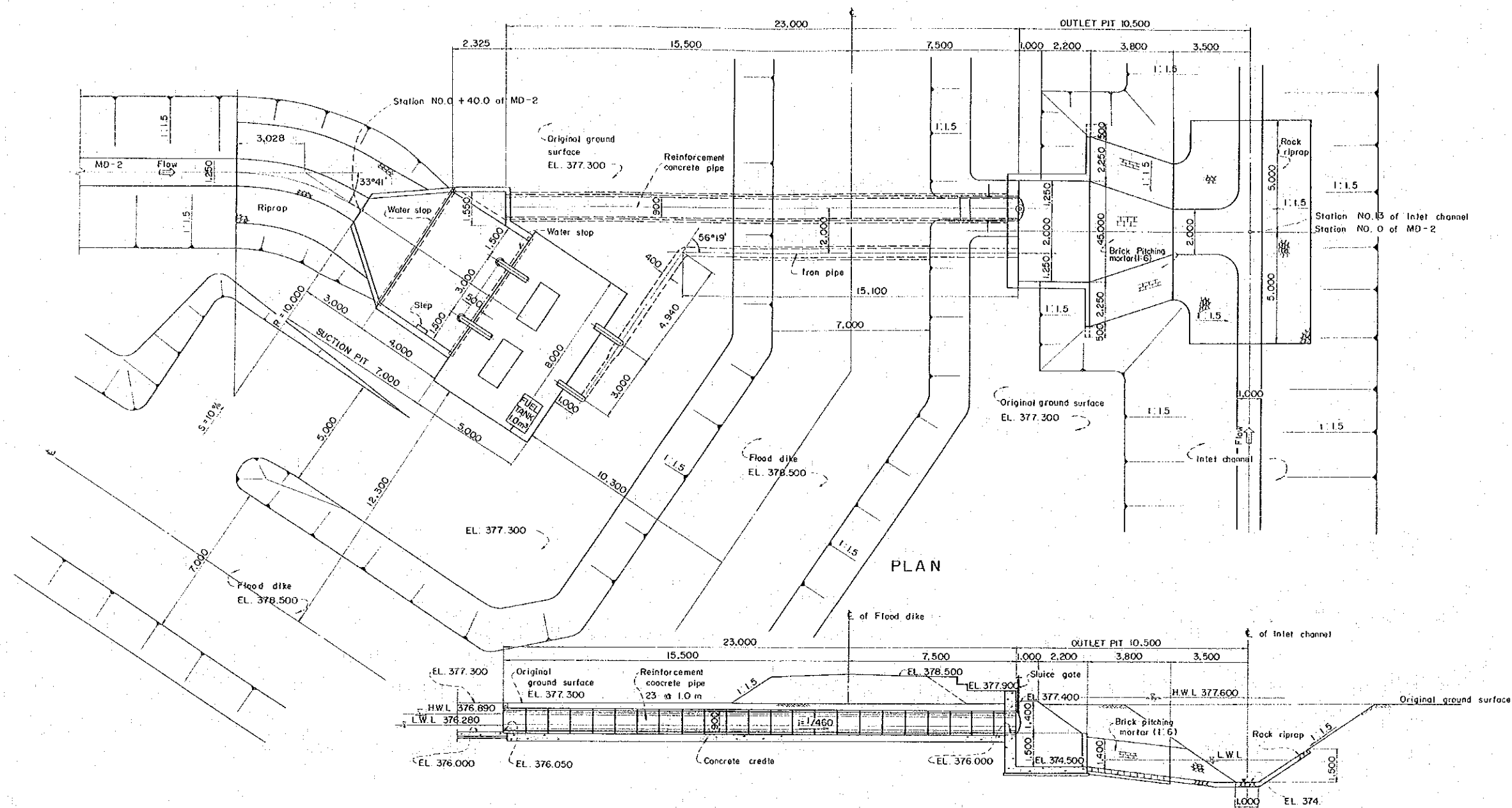
REAR ELEVATION



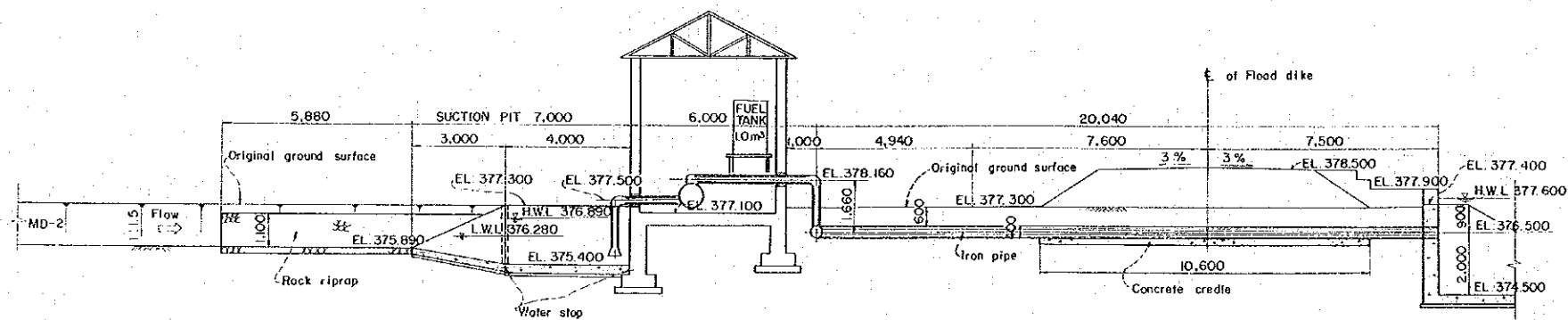
THE DEMOCRATIC REPUBLIC OF THE SUDAN  
 MINISTRY OF AGRICULTURE,  
 FOOD AND NATURAL RESOURCES  
 ABU GASABA PILOT FARM

TITLE OF DRAWING  
 PUMP HOUSE NO. 1  
 PLAN, ELEVATION & SECTION  
 JAPAN INTERNATIONAL COOPERATION AGENCY

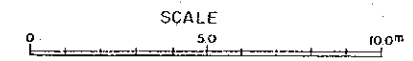
APPROVED  
 DATE



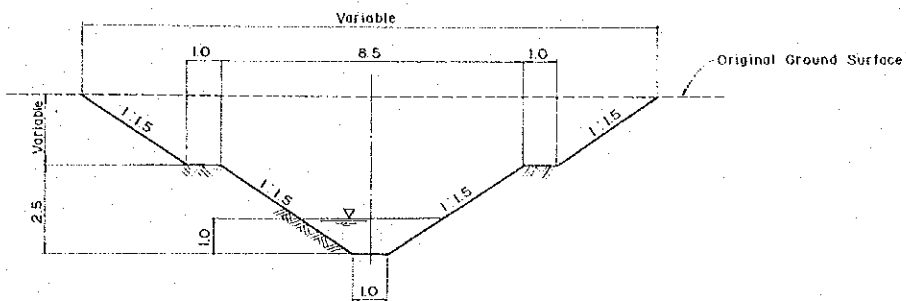
PROFILE OF NATURAL DRAINAGE SECTION



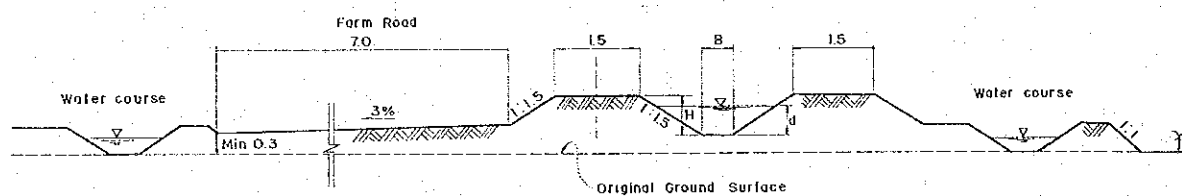
PROFILE OF PUMPING DRAINAGE SECTION



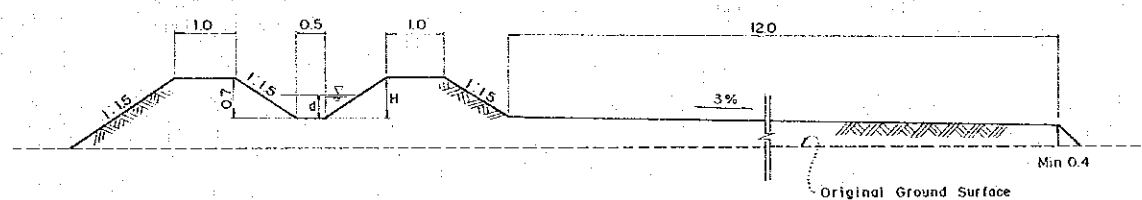
THE DEMOCRATIC REPUBLIC OF THE SUDAN MINISTRY OF AGRICULTURE, FOOD AND NATURAL RESOURCES ABU GASABA PILOT FARM	TITLE OF DRAWING DRAINAGE PUMP STATION & FLOOD GATE	APPROVED
	JAPAN INTERNATIONAL COOPERATION AGENCY	DATE



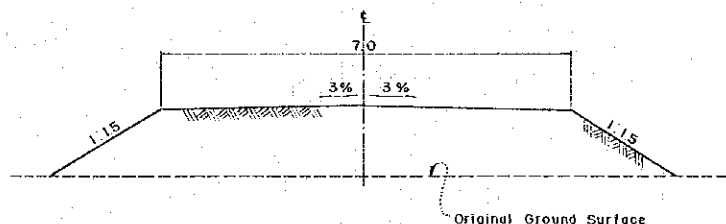
INLET CHANNEL



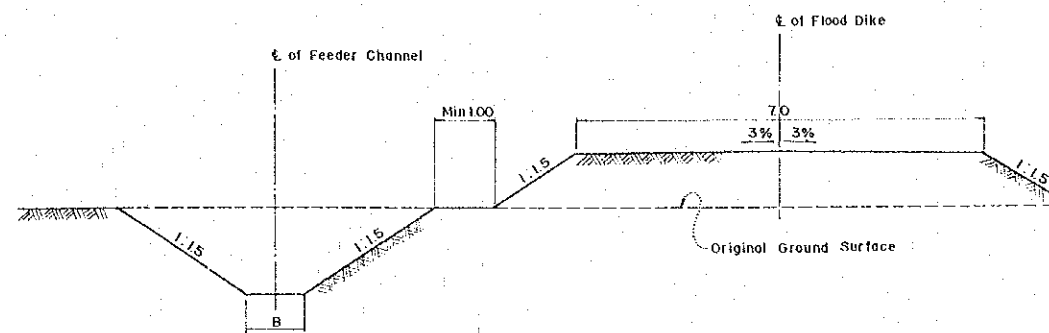
MAIN CANAL



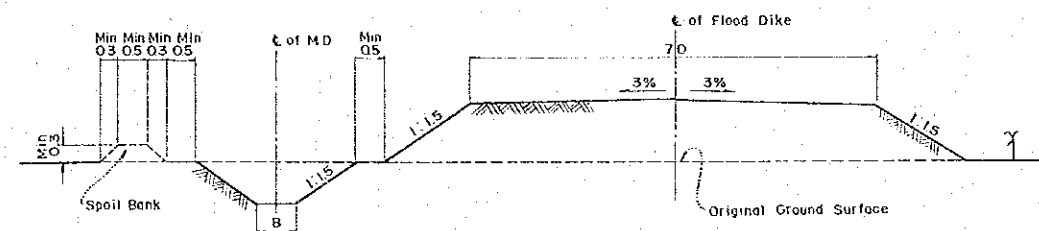
SECONDARY CANAL



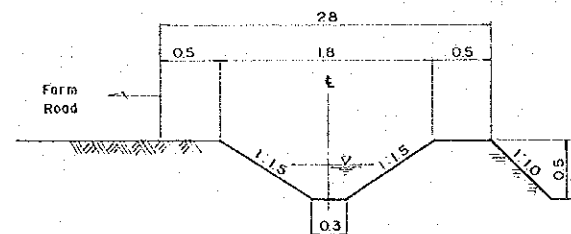
FARM ROAD



FLOOD DIKE & FEEDER CHANNEL

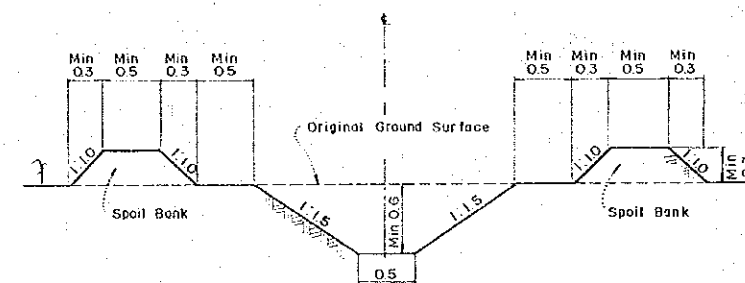


MAIN DRAIN



TYPICAL CROSS SECTION

WATER COURSE



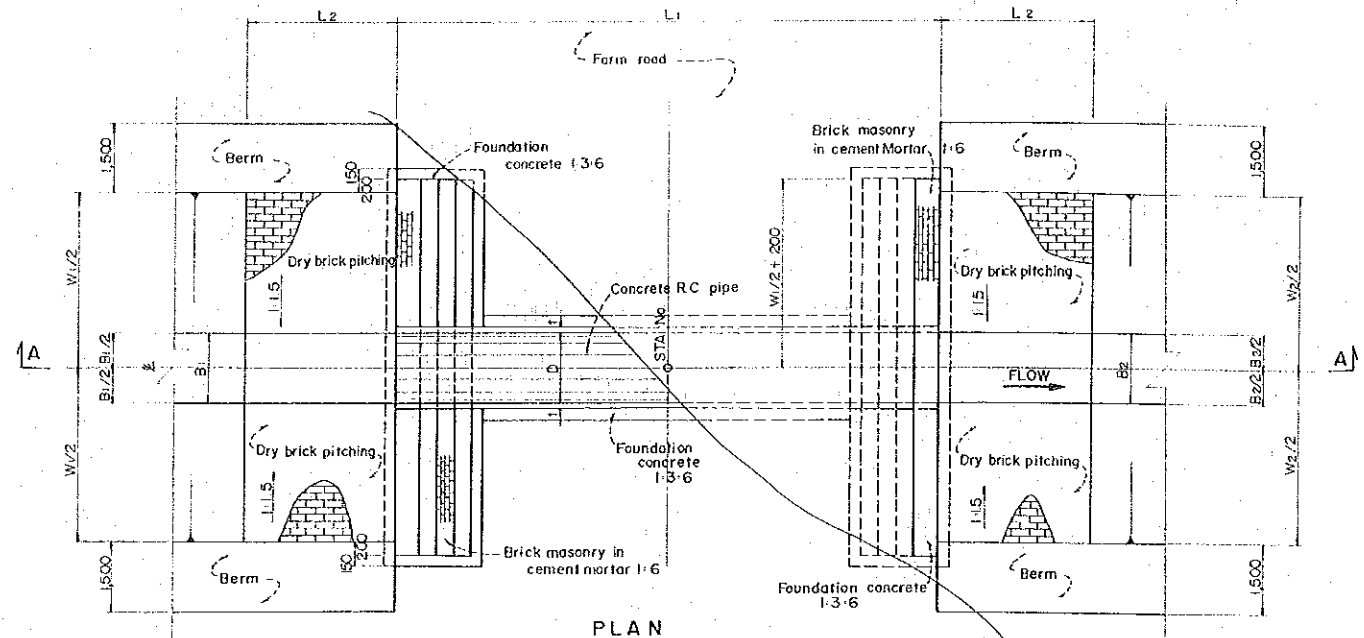
TYPICAL CROSS SECTION

COLLECTOR DRAIN

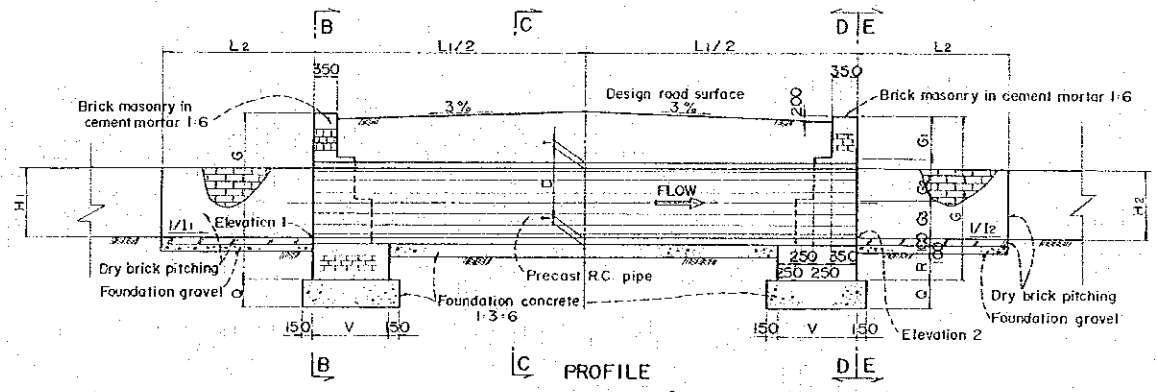
UNITY: Meter

	THE DEMOCRATIC REPUBLIC OF THE SUDAN	TITLE OF DRAWING	APPROVED
	MINISTRY OF AGRICULTURE, FOOD AND NATURAL RESOURCES	TYPICAL CROSS SECTIONS	DATE
	ABU GASABA PILOT FARM	JAPAN INTERNATIONAL COOPERATION AGENCY	

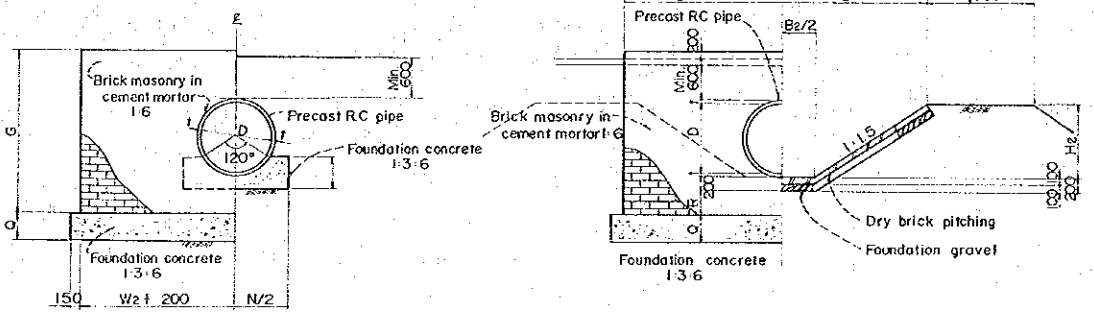
MAIN CANAL CULVERT



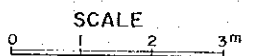
PLAN



PROFILE

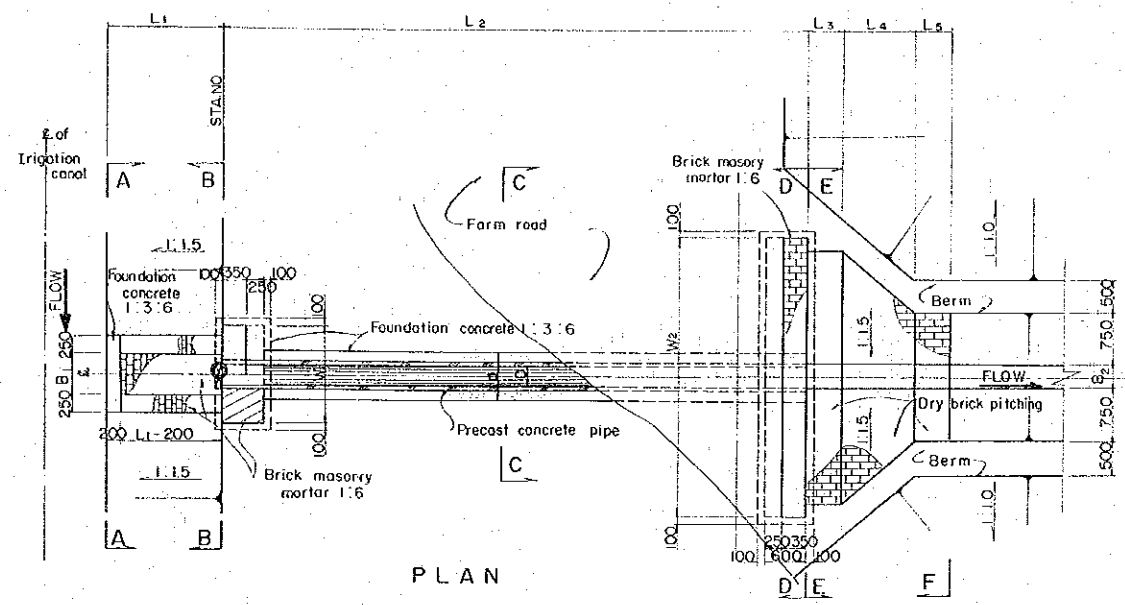


SECTION B-B SECTION C-C SECTION D-D SECTION E-E

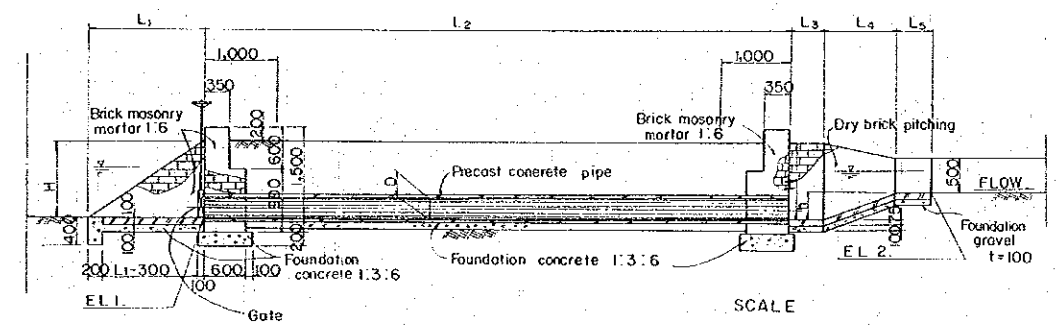


SCALE

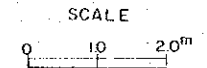
TURNOUT



PLAN

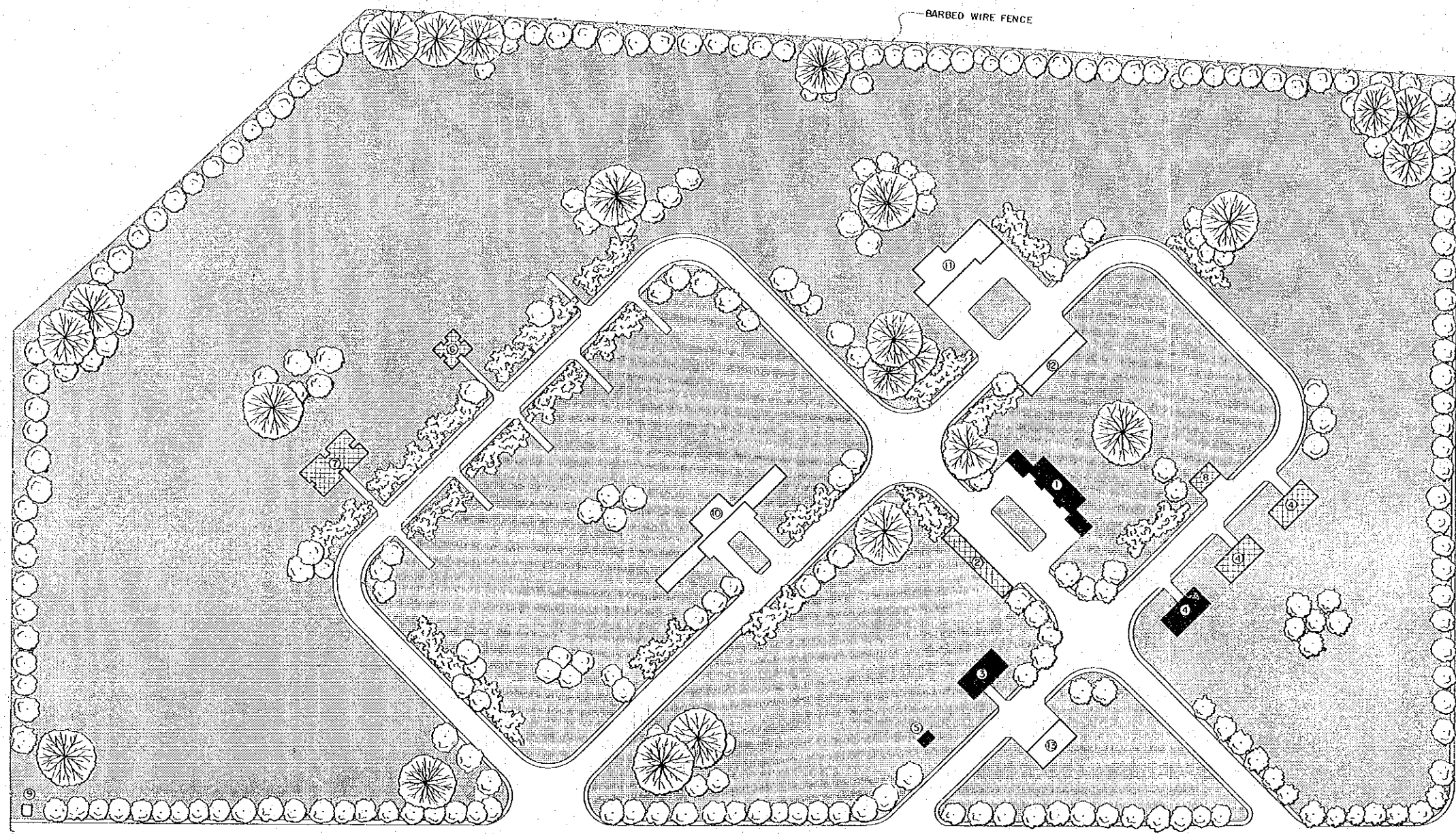
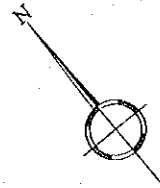


PROFILE



SCALE

THE DEMOCRATIC REPUBLIC OF THE SUDAN MINISTRY OF AGRICULTURE, FOOD AND NATURAL RESOURCES ABU GASABA PILOT FARM	TITLE OF DRAWING	APPROVED
	CULVERT AND TURNOUT	DATE
	JAPAN INTERNATIONAL COOPERATION AGENCY	

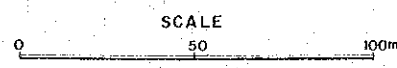


GATE V

GATE

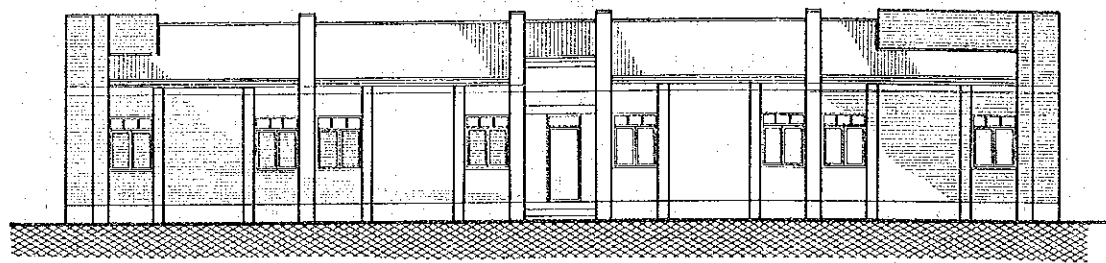
- BUILDING LIST**
- ① OFFICE
  - ② GARAGE NO.1
  - ③ WORK SHOP
  - ④ WAREHOUSE
  - ⑤ GENERATOR HOUSE
  - ⑥ FAMILY RESIDENCE NO.1
  - ⑦ BACHELOR QUARTERS
  - ⑧ WORK SHED
  - ⑨ GUARD HOUSE
  - ⑩ DORMITORY
  - ⑪ TRAINING CENTER
  - ⑫ GARAGE NO.2
  - ⑬ REPAIR SHOP
- 
- FIRST STAGE (UNDER CONSTRUCTION)
  - ▨ SECOND STAGE
  - TRAINING FACILITY

PLOT PLAN

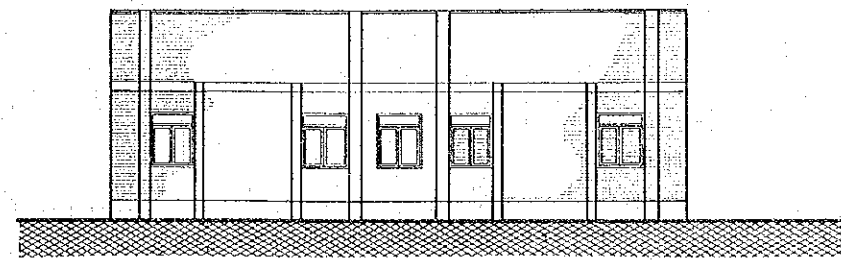


THE DEMOCRATIC REPUBLIC OF THE SUDAN MINISTRY OF AGRICULTURE, FOOD AND NATURAL RESOURCES ABU GASABA PILOT FARM	TITLE OF DRAWING <b>PLOT PLAN</b>	APPROVED _____ DATE _____
	JAPAN INTERNATIONAL COOPERATION AGENCY	

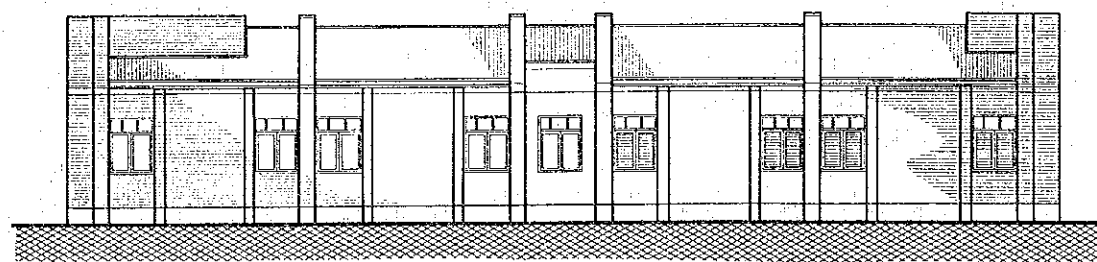




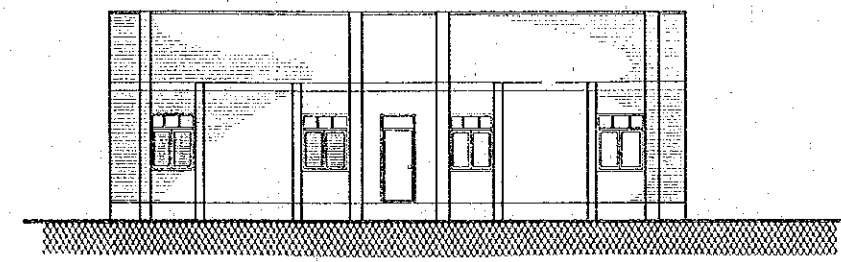
FRONT ELEVATION



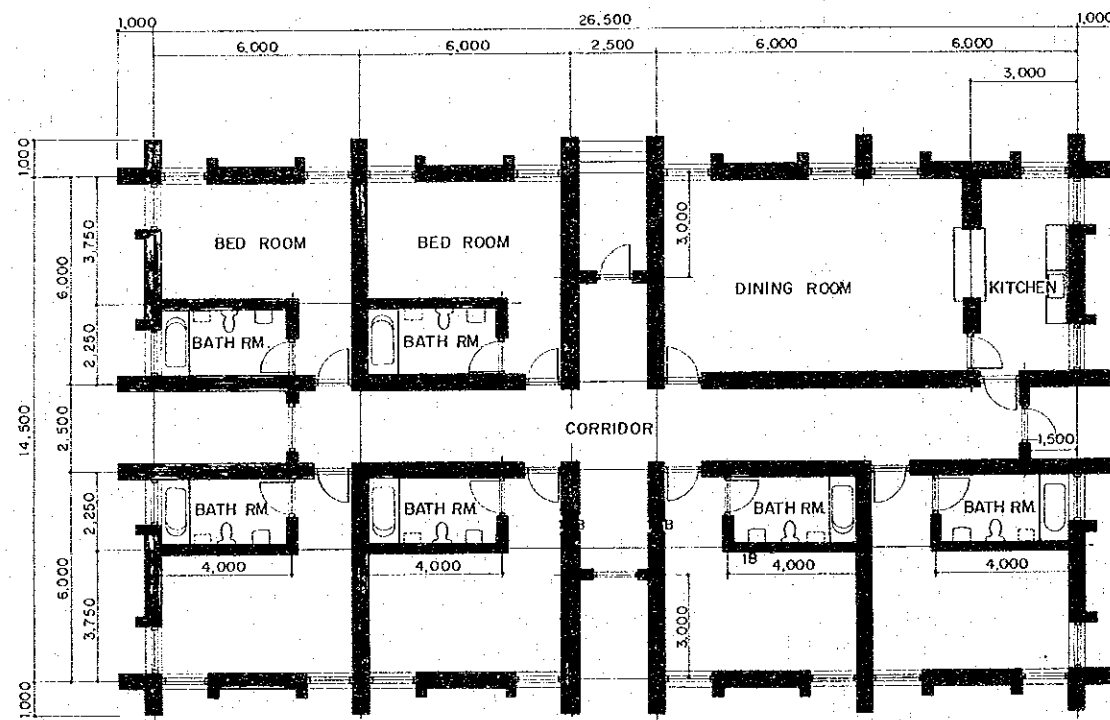
RIGHT ELEVATION



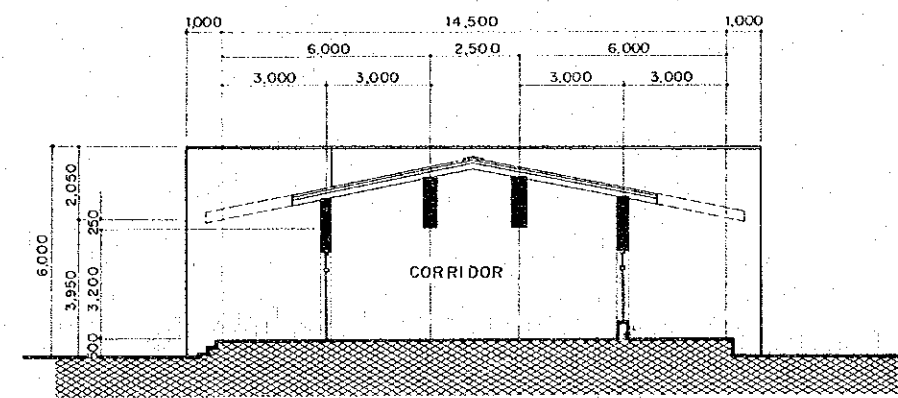
REAR ELEVATION



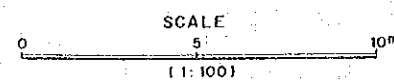
LEFT ELEVATION



P L A N ( FLOOR AREA 355.5m<sup>2</sup> )



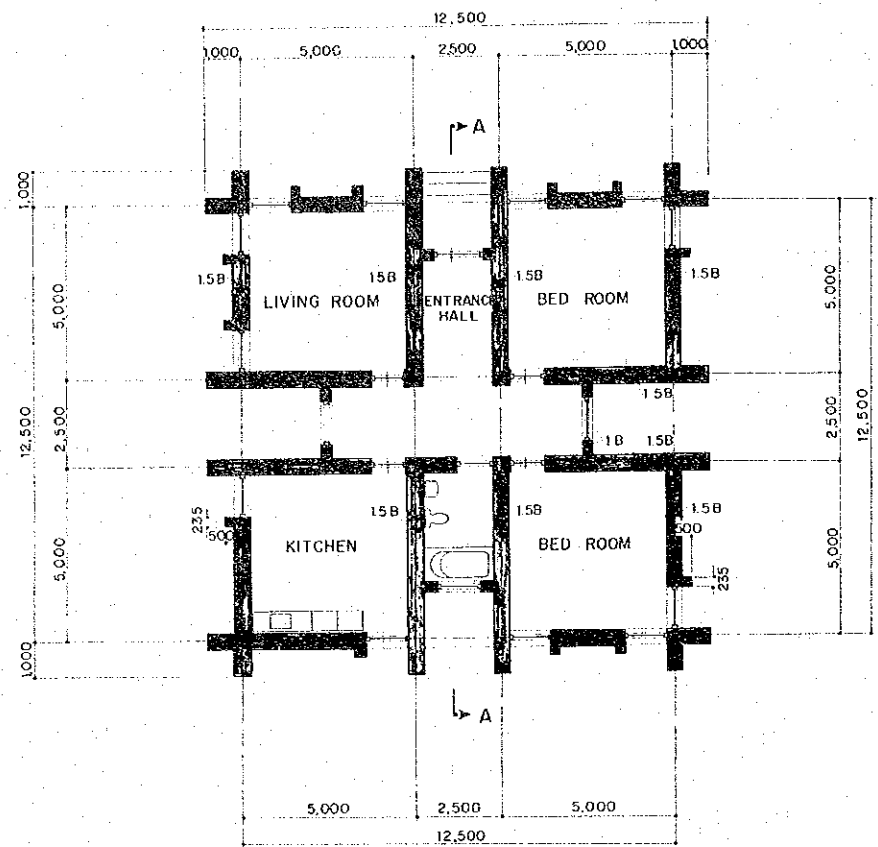
SECTION



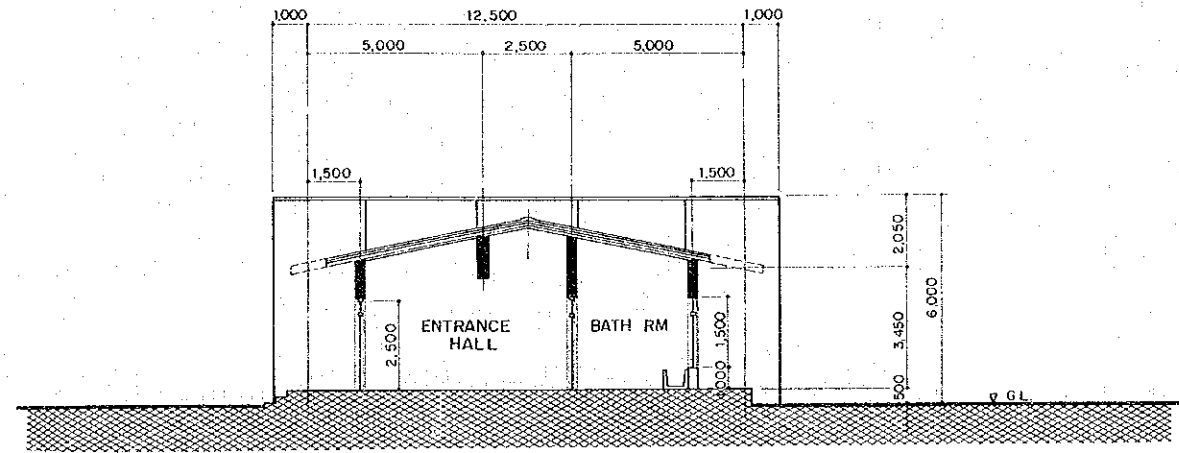
THE DEMOCRATIC REPUBLIC OF THE SUDAN  
 MINISTRY OF AGRICULTURE,  
 FOOD AND NATURAL RESOURCES  
 ABU GASABA PILOT FARM

TITLE OF DRAWING  
 BACHELOR QUARTERS  
 ELEVATION, SECTION & PLAN  
 JAPAN INTERNATIONAL COOPERATION AGENCY

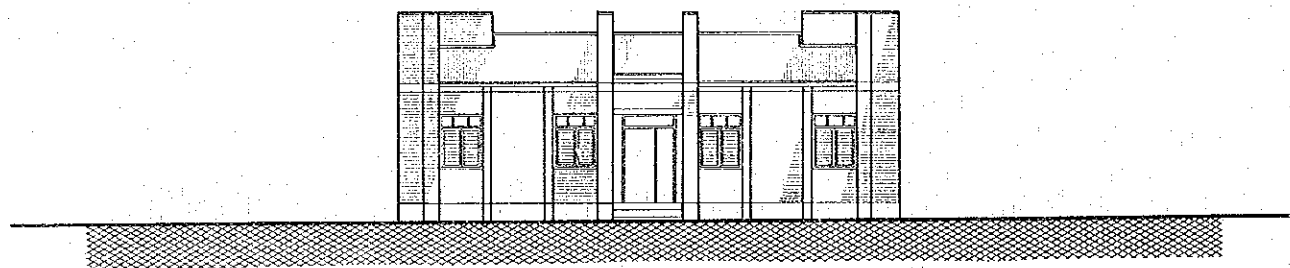
APPROVED  
 \_\_\_\_\_  
 DATE



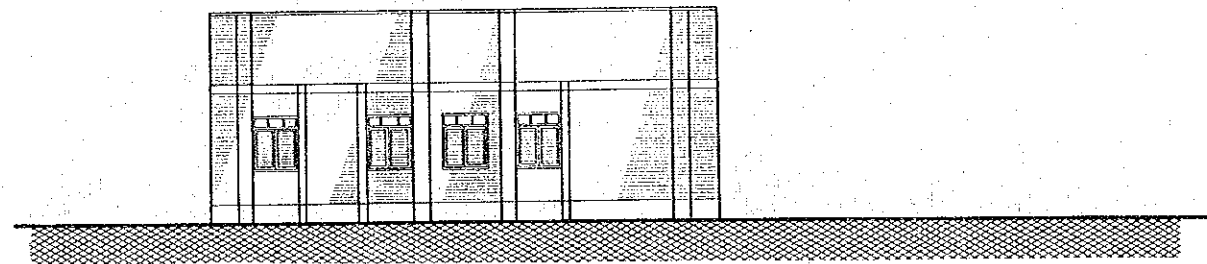
FLOOR PLAN (FLOOR AREA 136m<sup>2</sup>)



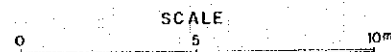
SECTION A - A



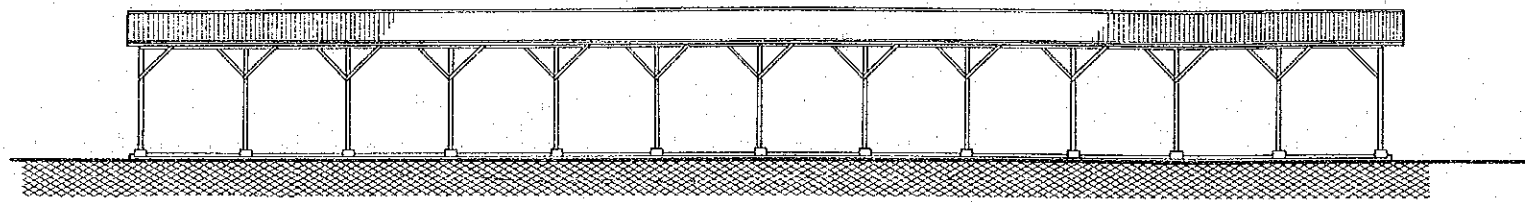
FRONT ELEVATION



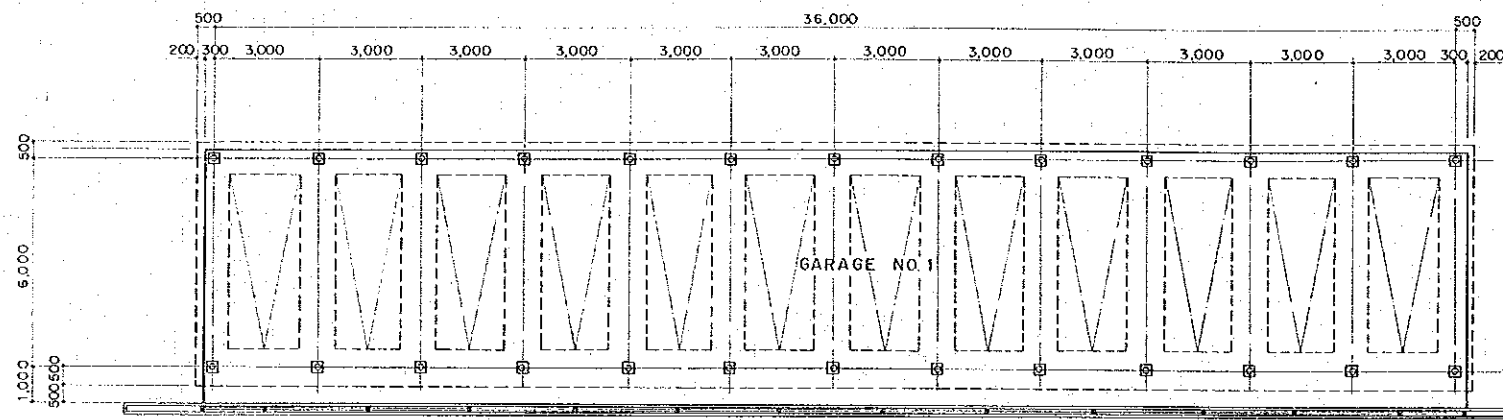
SIDE ELEVATION



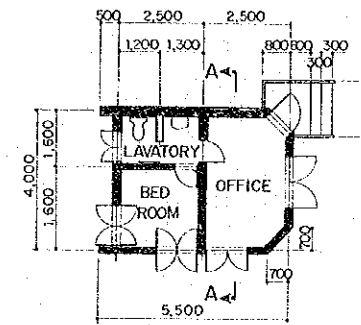
THE DEMOCRATIC REPUBLIC OF THE SUDAN MINISTRY OF AGRICULTURE, FOOD AND NATURAL RESOURCES ABU GASABA PILOT FARM	TITLE OF DRAWING FAMILY RESIDENCE PLAN, ELEVATION & SECTION	APPROVED _____ DATE
	JAPAN INTERNATIONAL COOPERATION AGENCY	



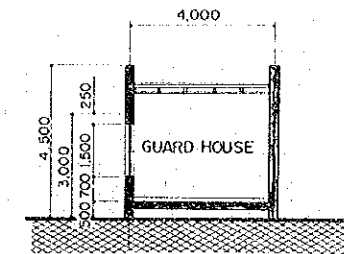
FRONT ELEVATION



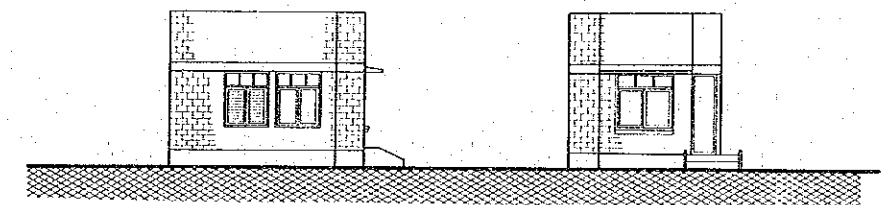
FLOOR PLAN (FLOOR AREA 216 m<sup>2</sup>)



FLOOR PLAN (FLOOR AREA 20 m<sup>2</sup>)

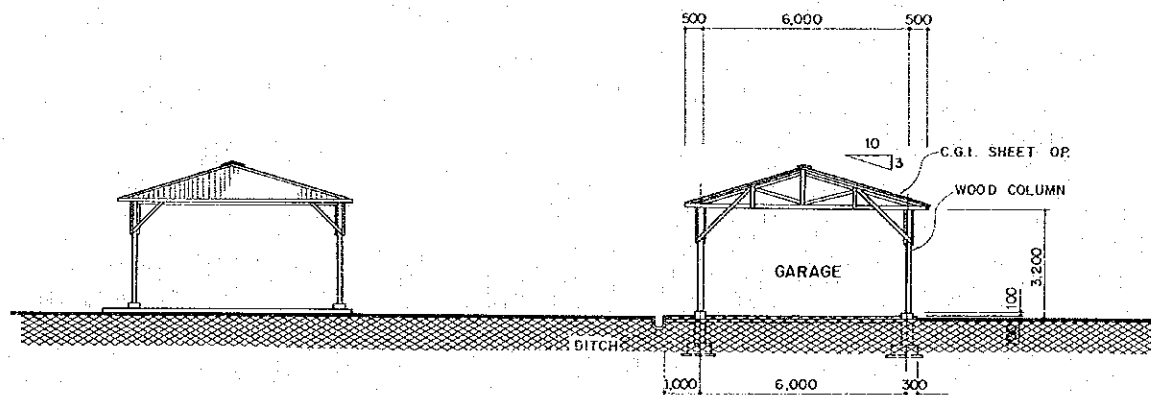


SECTION A - A



LEFT SIDE ELEVATION

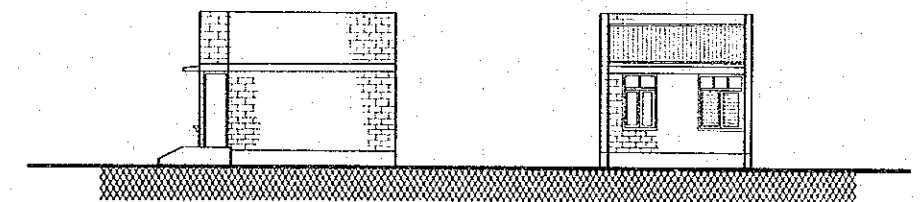
FRONT ELEVATION



SIDE ELEVATION

SECTION

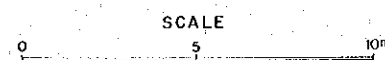
GARAGE NO. 1



RIGHT SIDE ELEVATION

REAR ELEVATION

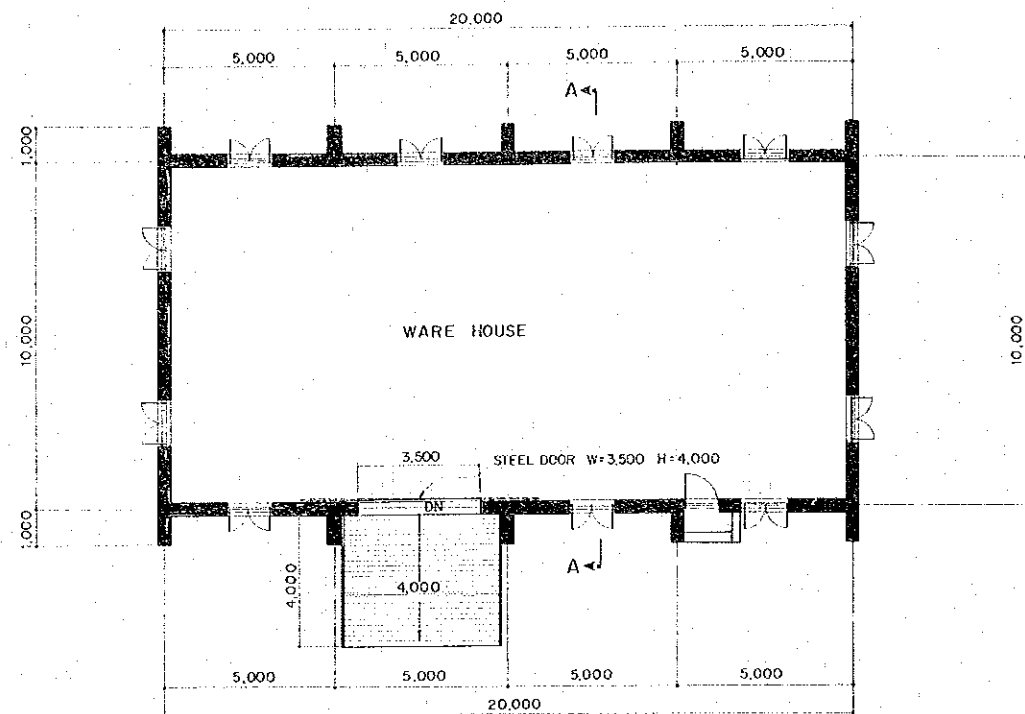
GUARD HOUSE



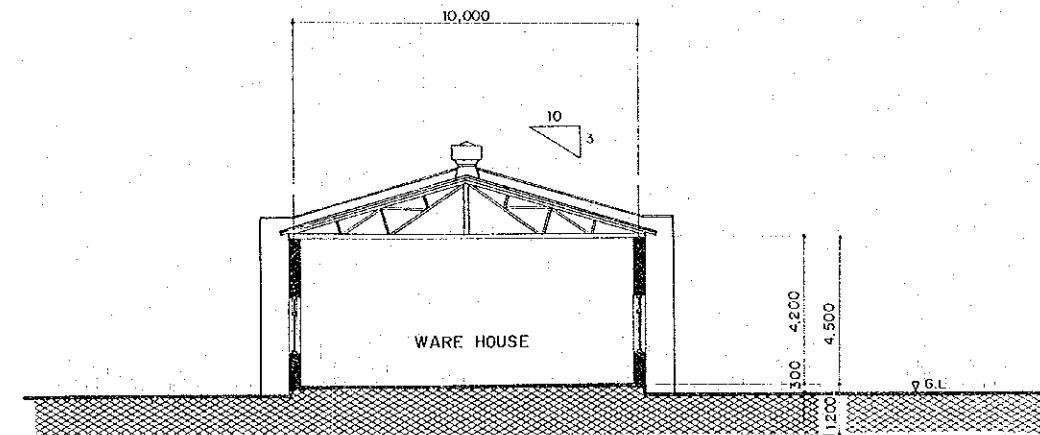
THE DEMOCRATIC REPUBLIC OF THE SUDAN  
 MINISTRY OF AGRICULTURE,  
 FOOD AND NATURAL RESOURCES  
 ABU GASABA PILOT FARM

TITLE OF DRAWING  
 GARAGE NO. 1 & GUARD HOUSE  
 PLAN ELEVATION & SECTION  
 JAPAN INTERNATIONAL COOPERATION AGENCY

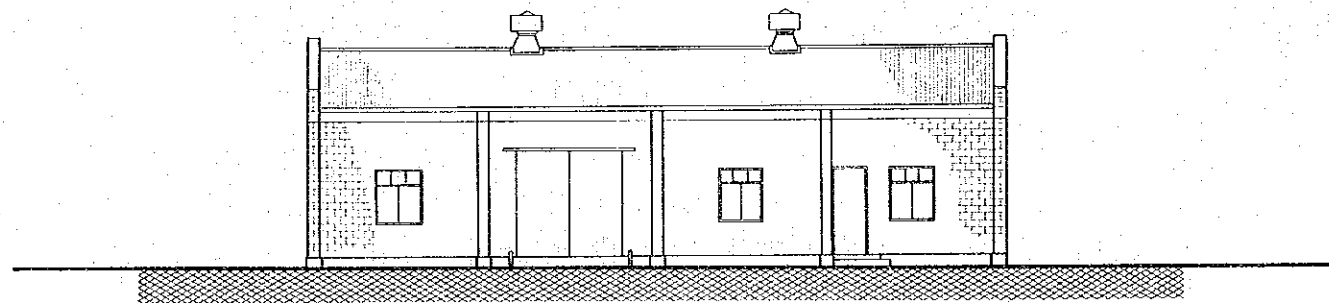
APPROVED  
 DATE



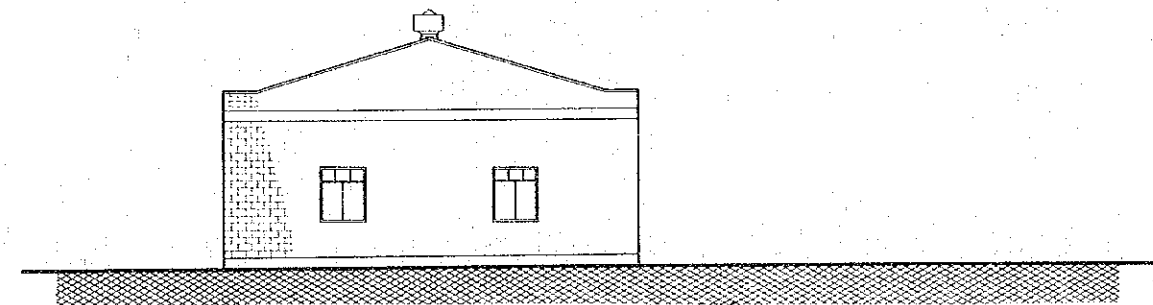
FLOOR PLAN ( FLOOR AREA 200m<sup>2</sup> )



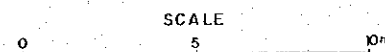
SECTION A - A



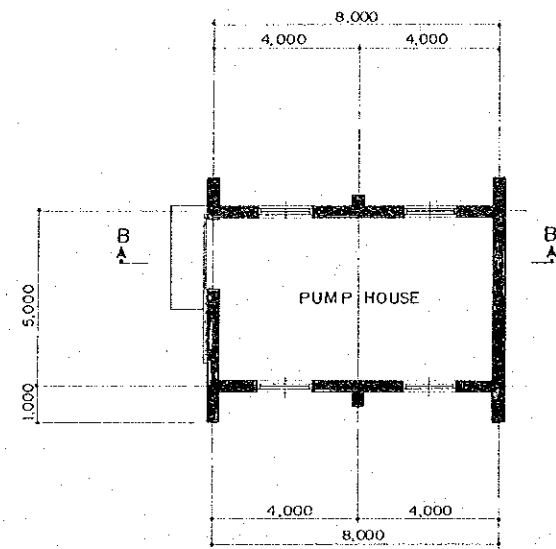
FRONT ELEVATION



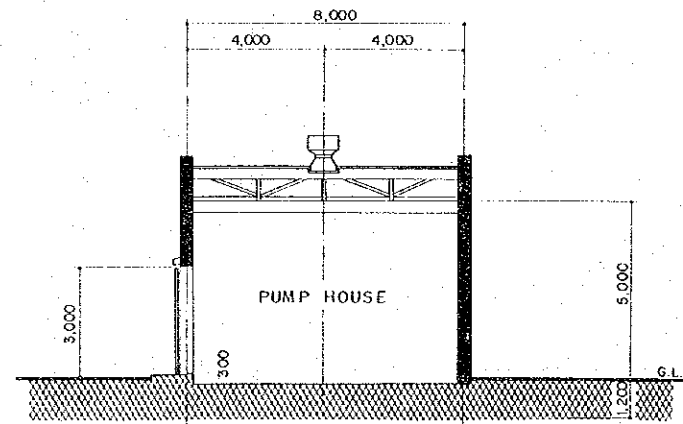
SIDE ELEVATION



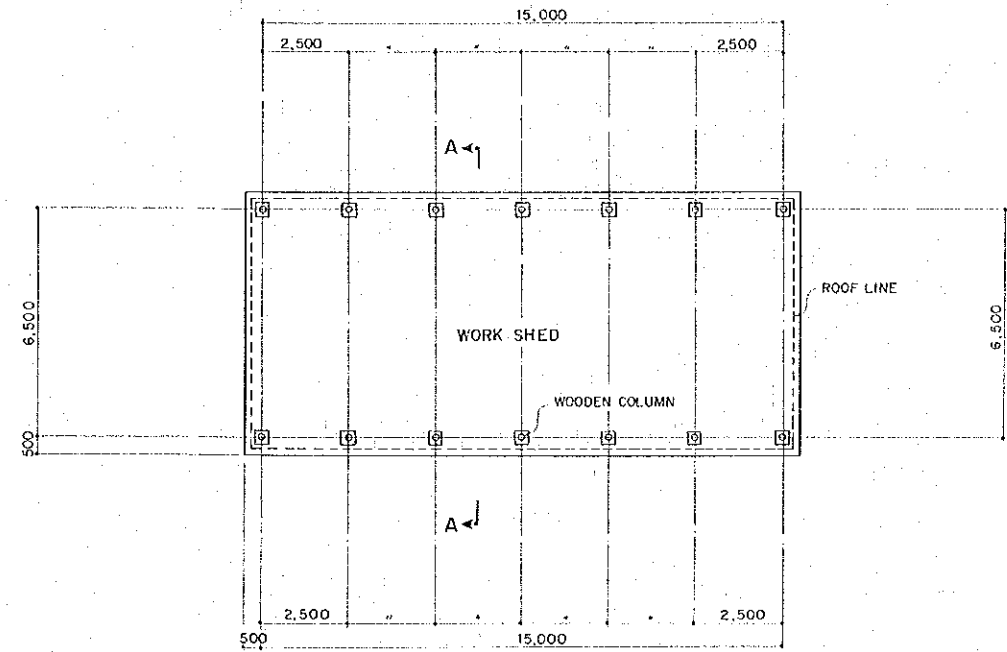
THE DEMOCRATIC REPUBLIC OF THE SUDAN MINISTRY OF AGRICULTURE, FOOD AND NATURAL RESOURCES ABU GASABA PILOT FARM	TITLE OF DRAWING <b>WAREHOUSE</b> PLAN ELEVATION & SECTION	APPROVED _____ DATE
	JAPAN INTERNATIONAL COOPERATION AGENCY	



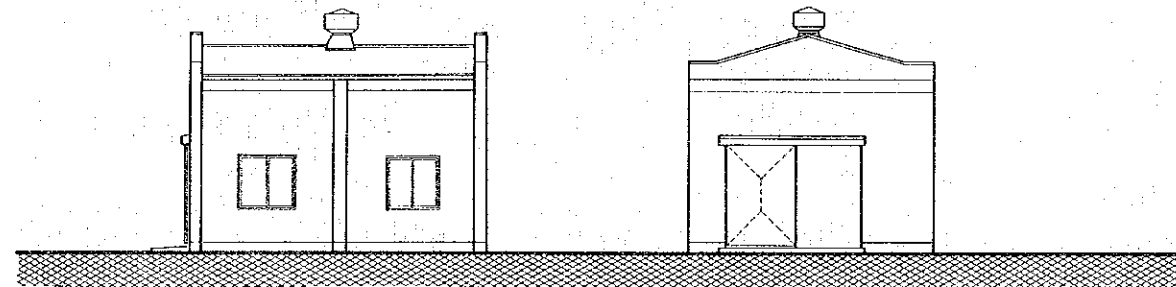
FLOOR PLAN (FLOOR AREA 40m<sup>2</sup>)



SECTION B-B



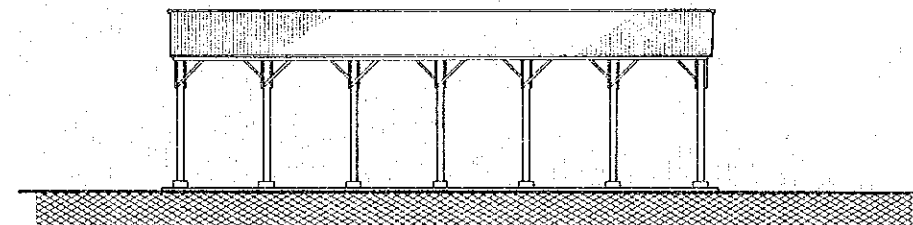
FLOOR PLAN (FLOOR AREA 97.5m<sup>2</sup>)



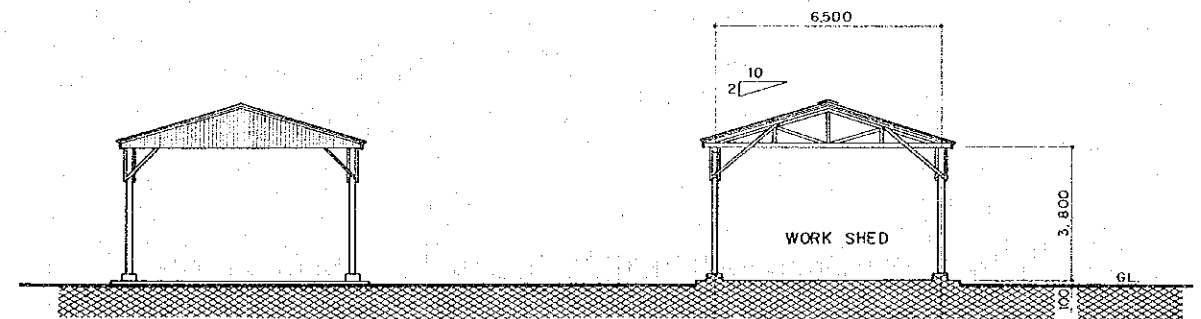
FRONT ELEVATION

SIDE ELEVATION

DRAINAGE PUMP HOUSE



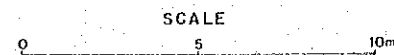
FRONT ELEVATION



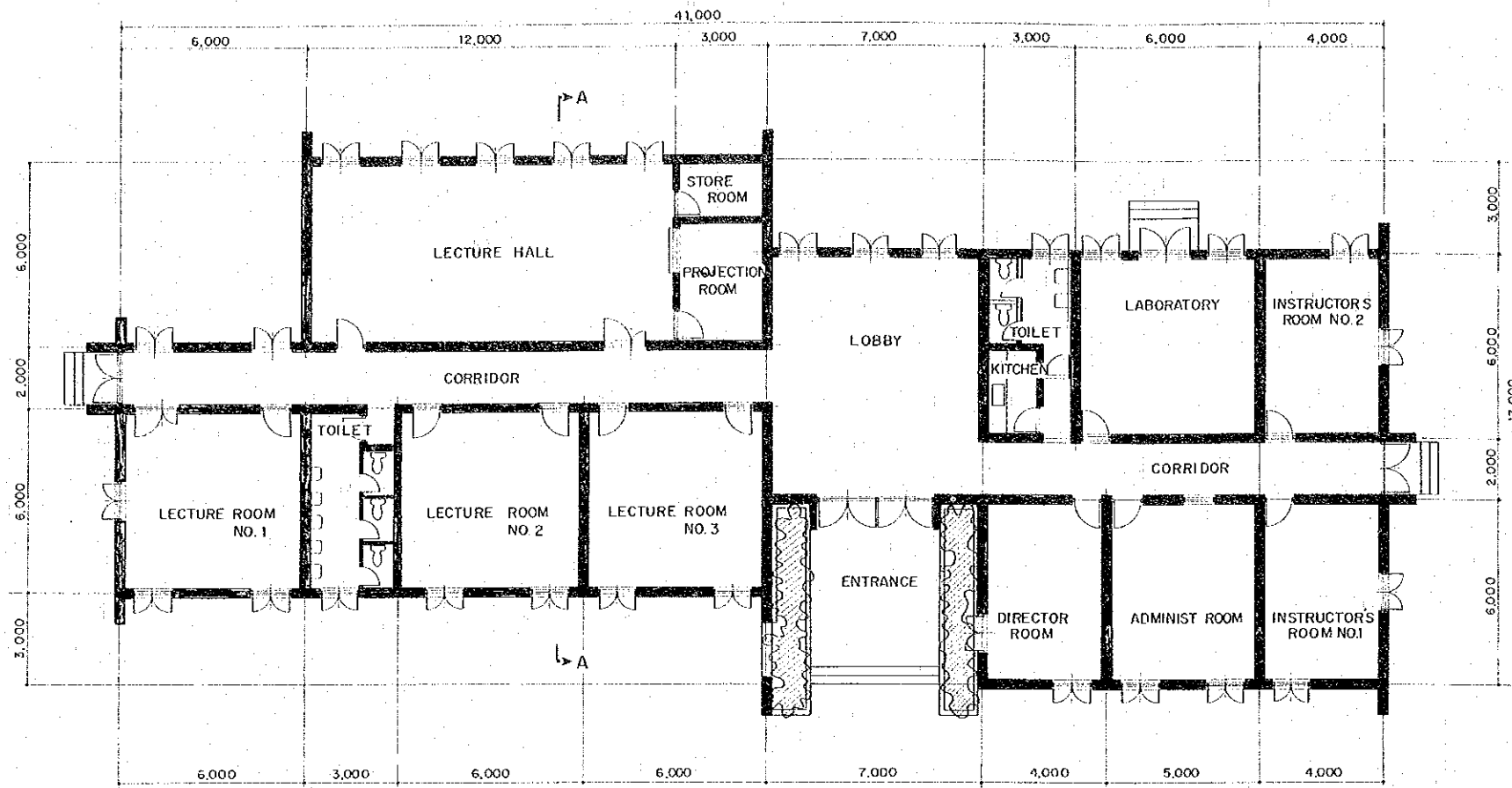
SIDE ELEVATION

SECTION A-A

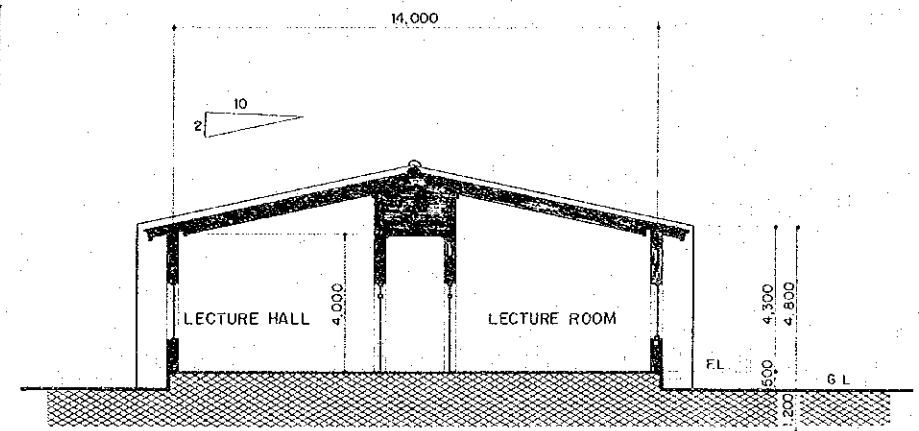
WORK SHED



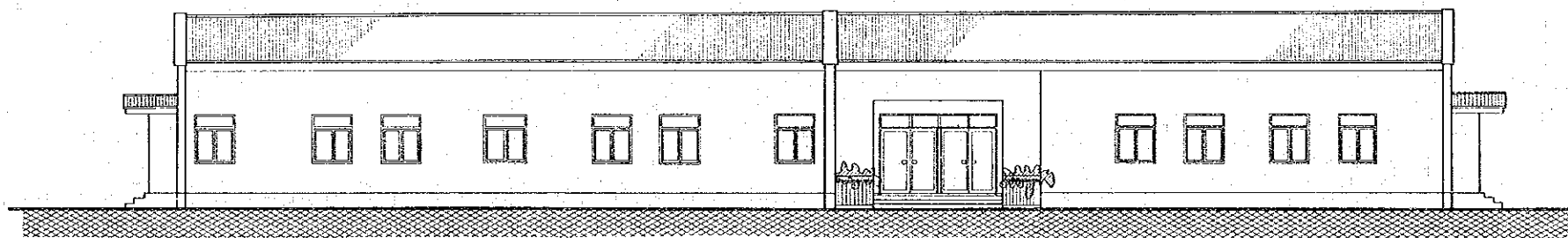
THE DEMOCRATIC REPUBLIC OF THE SUDAN MINISTRY OF AGRICULTURE, FOOD AND NATURAL RESOURCES ABU GASABA PILOT FARM	TITLE OF DRAWING DRAINAGE PUMP HOUSE & WORK SHED FLOOR PLAN, ELEVATION & SECTION	APPROVED
	JAPAN INTERNATIONAL COOPERATION AGENCY	DATE



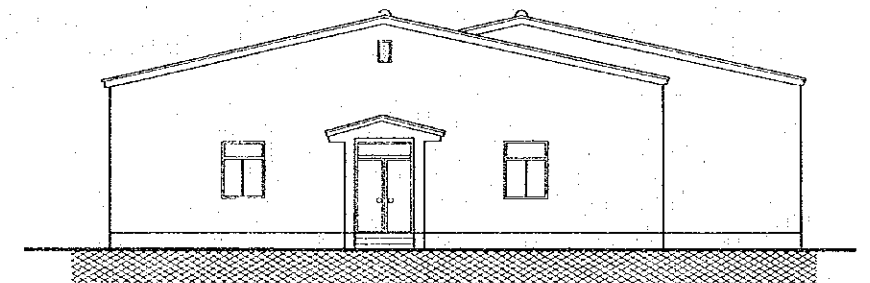
FLOOR PLAN ( FLOOR AREA 511m<sup>2</sup> )



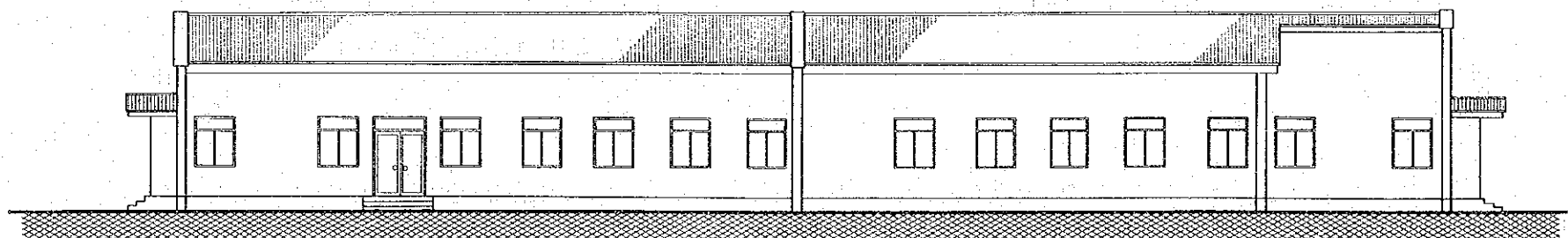
SECTION A - A



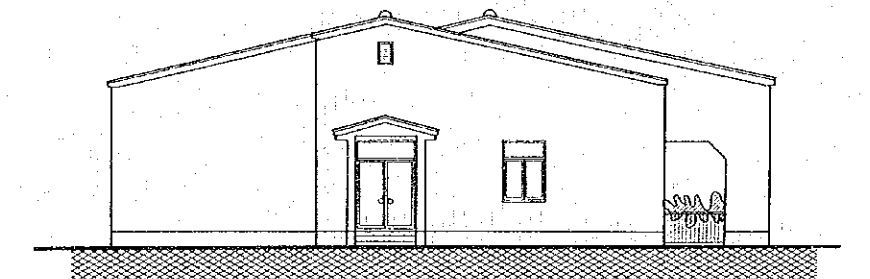
SOUTH ELEVATION



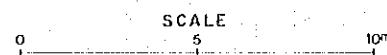
EAST ELEVATION



NORTH ELEVATION



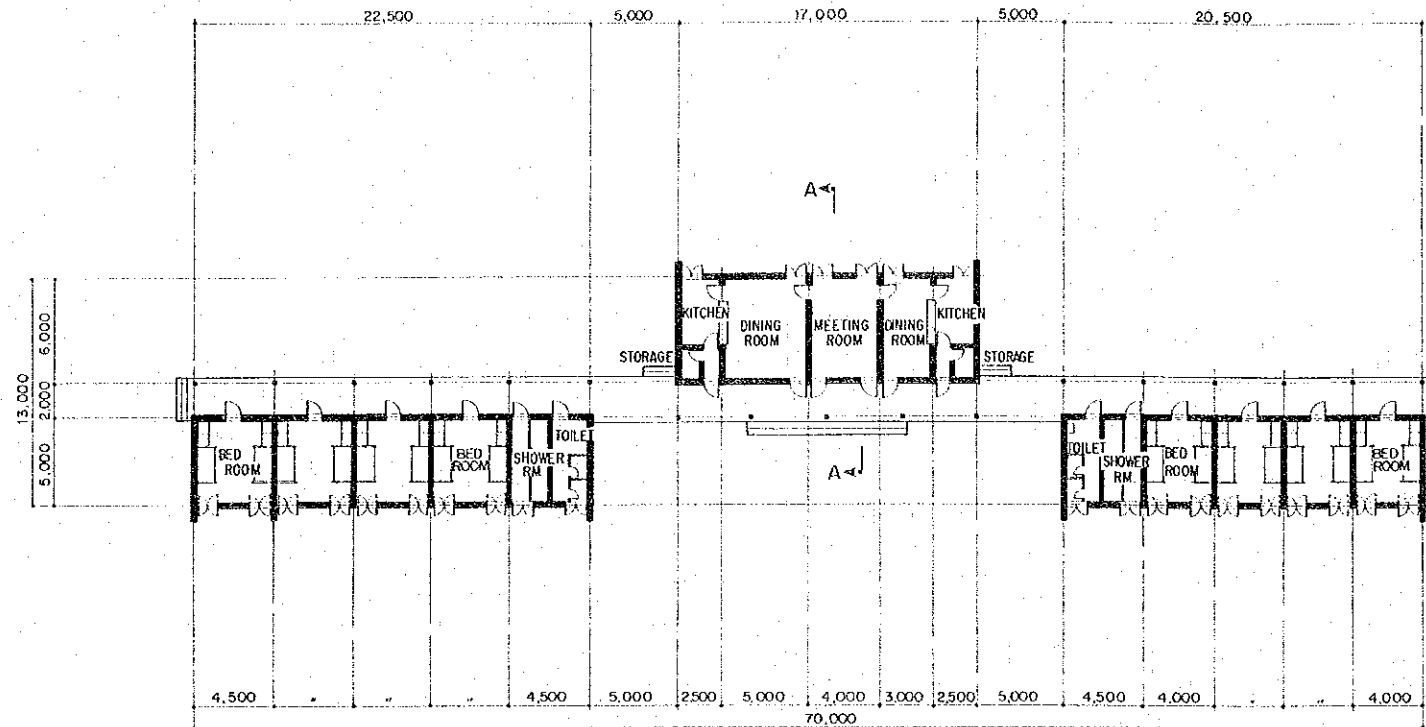
WEST ELEVATION



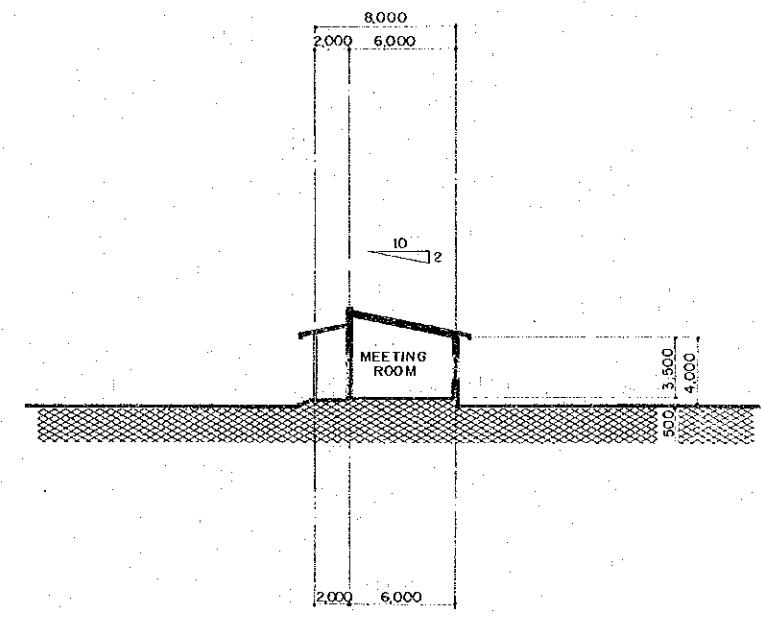
THE DEMOCRATIC REPUBLIC OF THE SUDAN  
 MINISTRY OF AGRICULTURE,  
 FOOD AND NATURAL RESOURCES  
 ABU GASABA PILOT FARM

TITLE OF DRAWING  
 TRAINING CENTER  
 PLAN, ELEVATION & SECTION  
 JAPAN INTERNATIONAL COOPERATION AGENCY

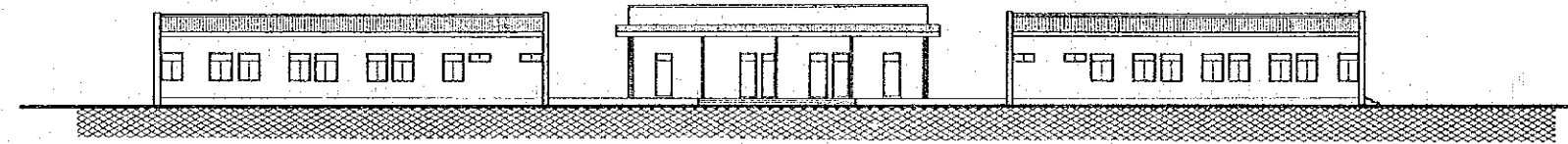
APPROVED  
 \_\_\_\_\_  
 DATE



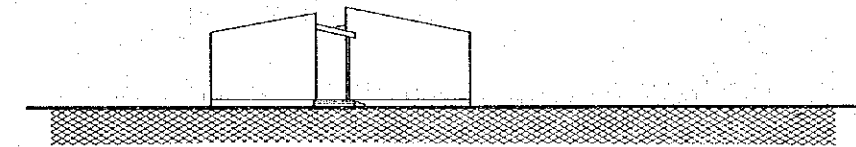
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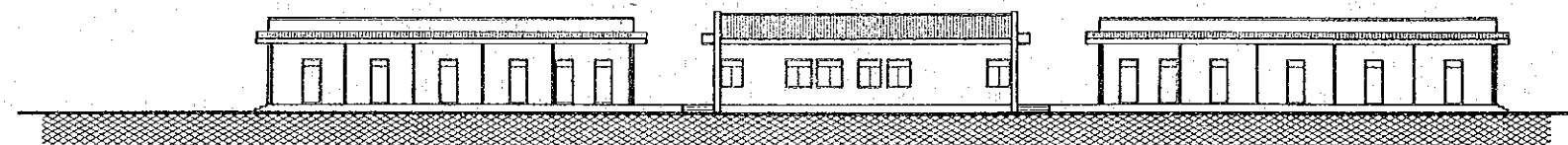
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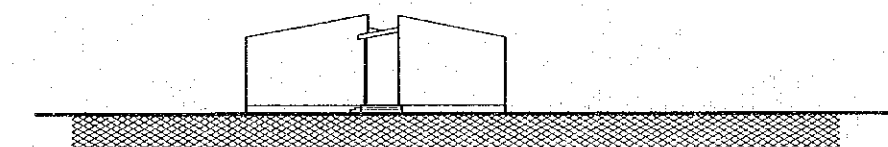
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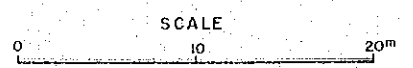
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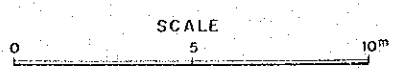
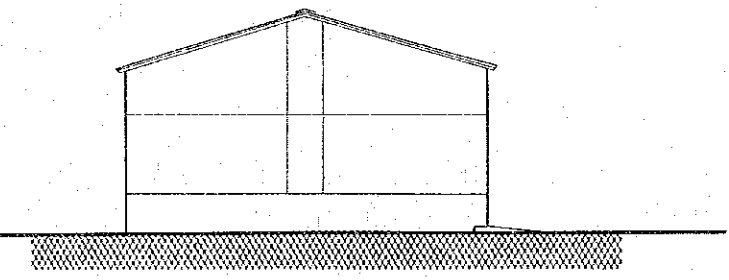
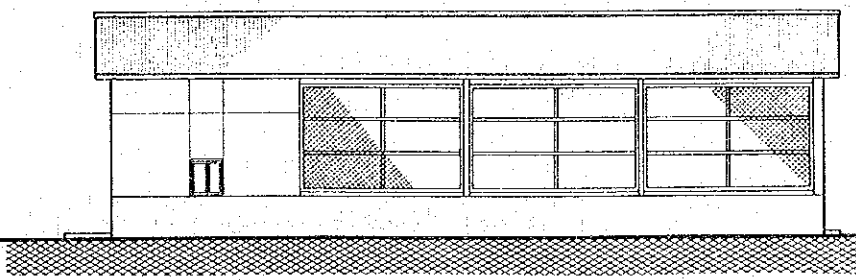
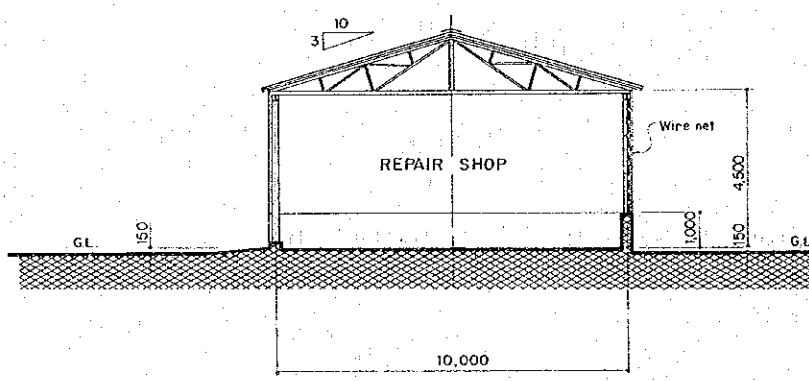
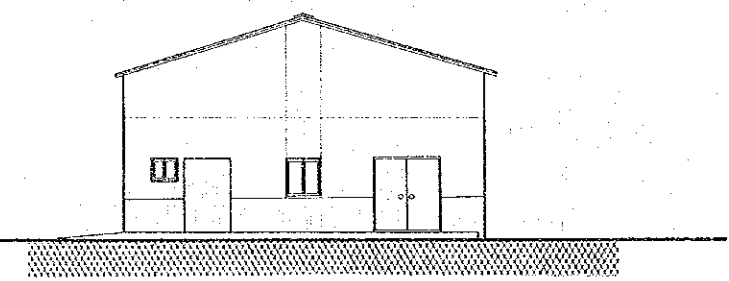
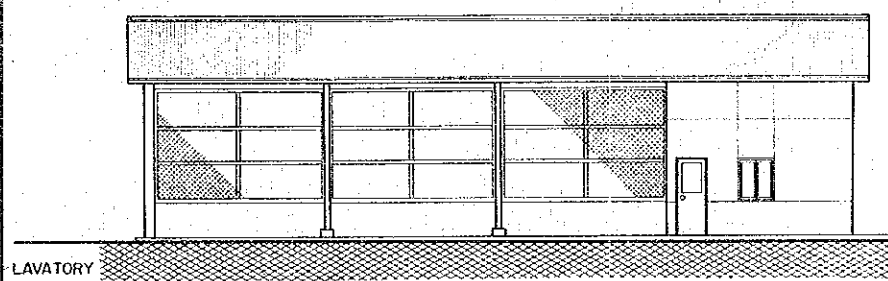
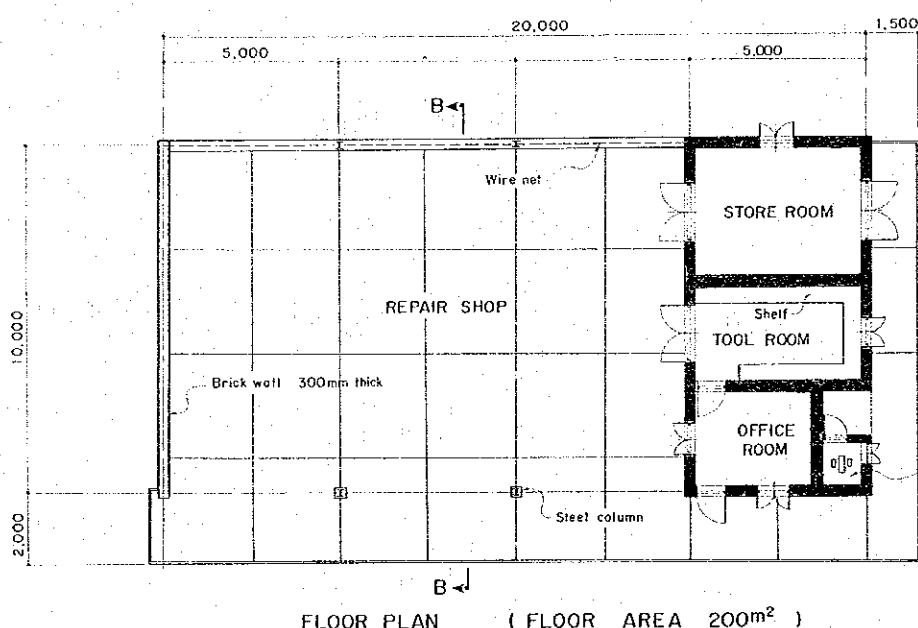
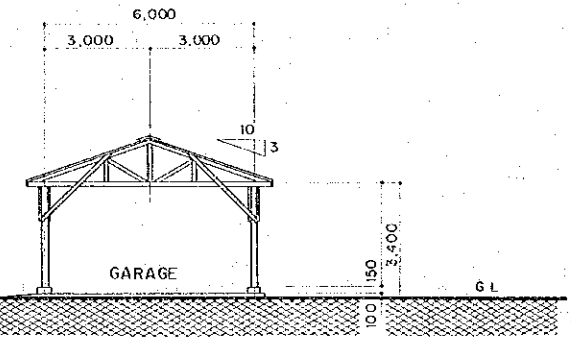
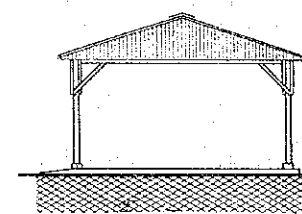
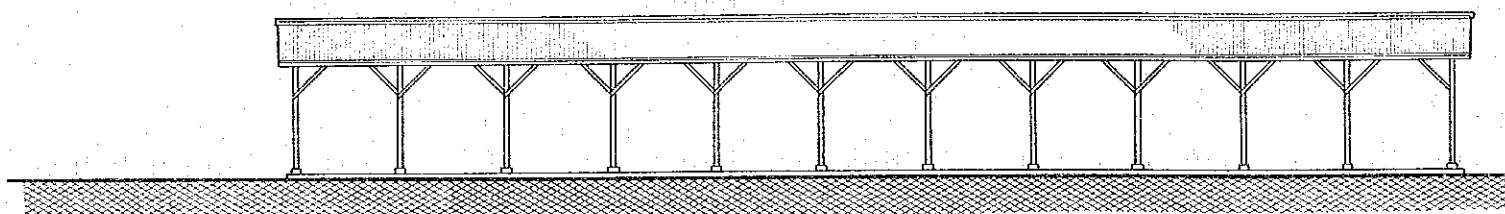
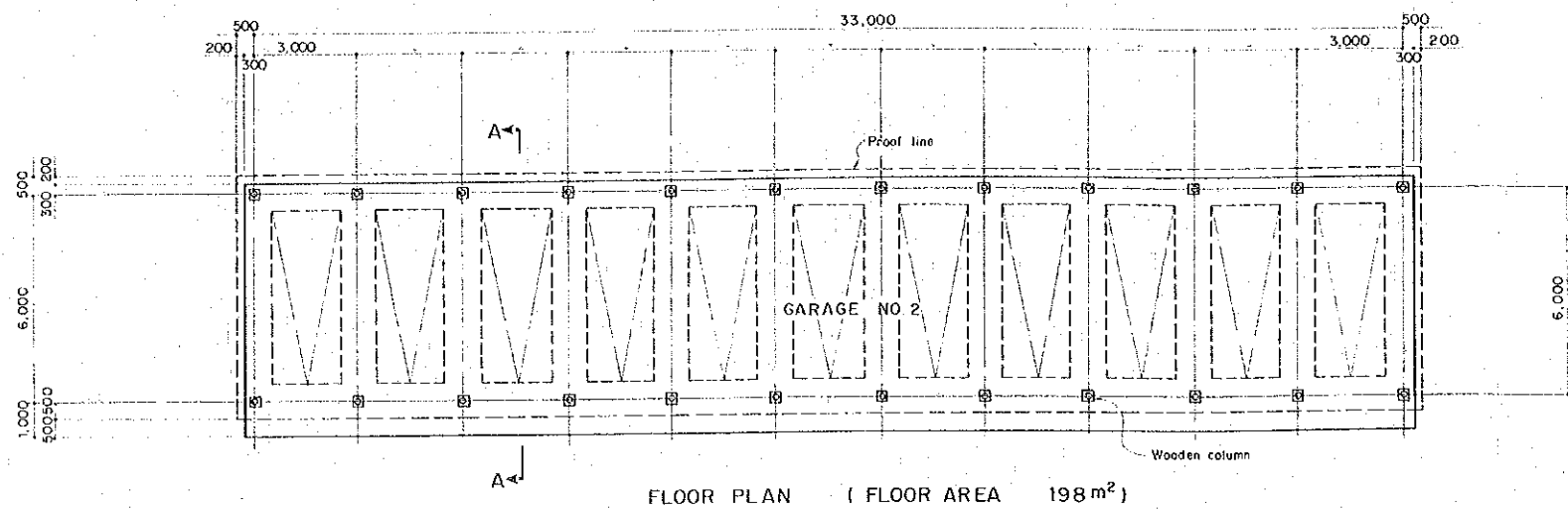
N O R T H E L E V A T I O N



W E S T E L E V A T I O N



THE DEMOCRATIC REPUBLIC OF THE SUDAN MINISTRY OF AGRICULTURE, FOOD AND NATURAL RESOURCES ABU GASABA PILOT FARM	TITLE OF DRAWING <b>DORMITORY          PLAN, ELEVATION &amp; SECTION</b>	APPROVED _____ DATE
	JAPAN INTERNATIONAL COOPERATION AGENCY	



THE DEMOCRATIC REPUBLIC OF THE SUDAN MINISTRY OF AGRICULTURE, FOOD AND NATURAL RESOURCES ABU GASABA PILOT FARM	TITLE OF DRAWING <b>GARAGE NO.2 &amp; REAIR SHOP          PLAN, ELEVATION &amp; SECTION</b>	APPROVED _____ DATE
	JAPAN INTERNATIONAL COOPERATION AGENCY	







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