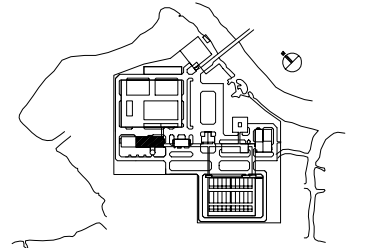


FIRST FLOOR - MECHANICAL PLAN

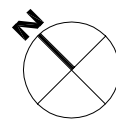
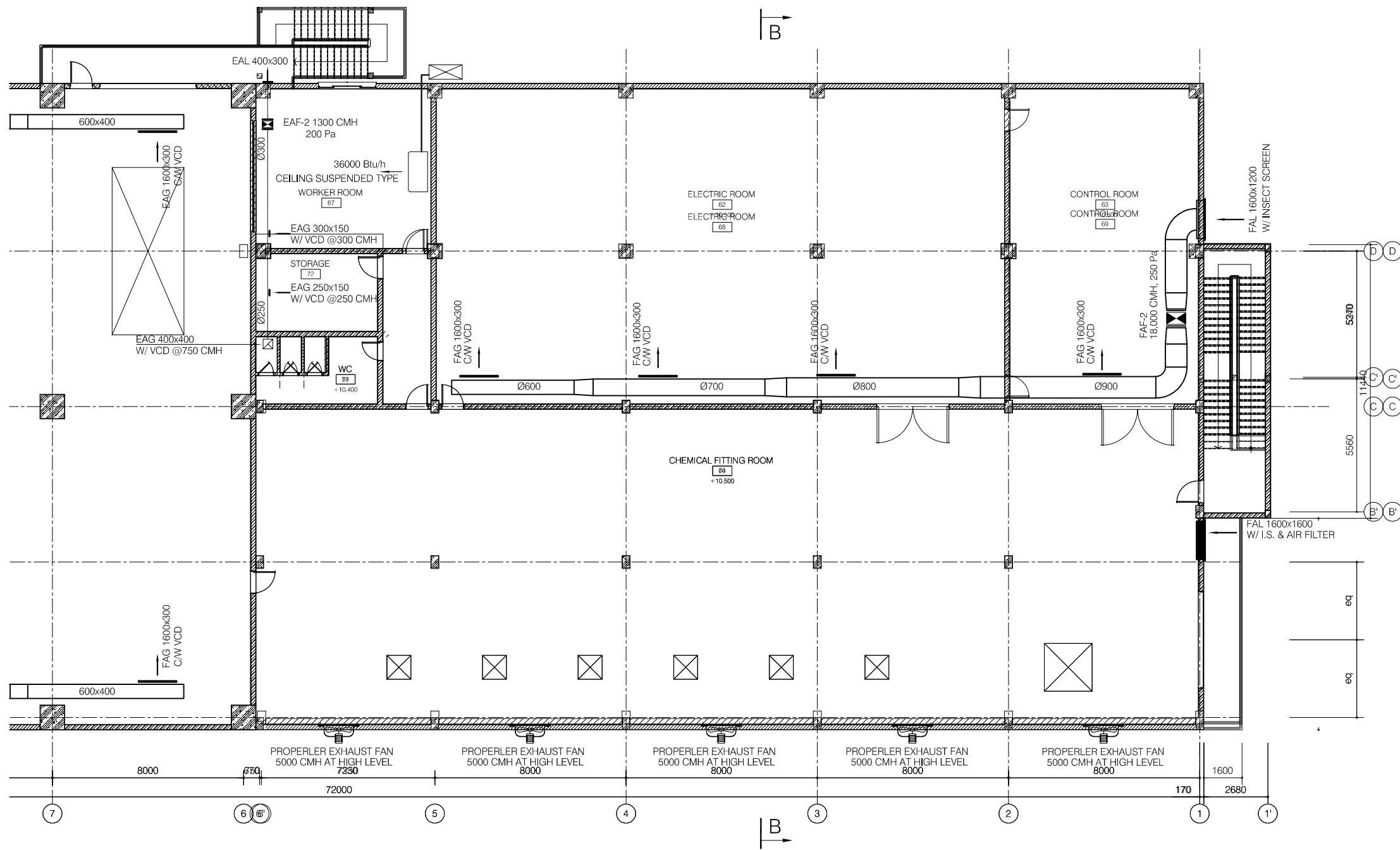
SCALE: 1/100

LEGEND :

- EAG EXHAUST AIR GRILLE
- EAF EXHAUST AIR FAN
- EAL EXHAUST AIR LOUVRE
- FAL FRESH AIR LOUVRE
- W/ WITH
- AXIAL FAN
- WALL MOUNTED FAN
- NON INSULATION
- INTERNAL INSULATION 25mm THK



NO.	DATE	DESCRIPTIONS	BY	APRO.
REVISIONS				
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT				
THE DETAILED DESIGN STUDY ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM				
PACKAGE E WASTEWATER TREATMENT PLANT DEWATERING AND CENTRIFUGAL THICKENER BUILDING FIRST FLOOR PLAN (2/2) MECHANICAL PLAN				
SCALE : 1/100				
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				
PACIFIC CONSULTANTS INTERNATIONAL				
DESIGNED KIKUTA HIROSHI		CHECKED KONDO MASAMI		
DATE : JUNE 2001		DWG. No. PE-WWTP-304-27		

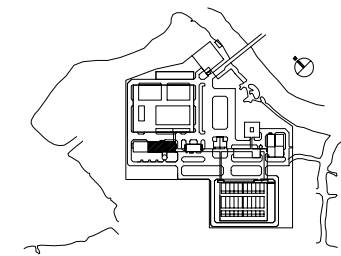


SECOND FLOOR - MECHANICAL PLAN

SCALE: 1/100

LEGEND :

- EAG EXHAUST AIR GRILLE
- EAF EXHAUST AIR FAN
- EAL EXHAUST AIR LOUVRE
- FAL FRESH AIR LOUVRE
- W/ WITH
- AXIAL FAN
- WALL MOUNTED FAN
- NON INSULATION
- INTERNAL INSULATION 25mm THK



NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN STUDY ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PACKAGE E
WASTEWATER TREATMENT PLANT
DEWATERING AND CENTRIFUGAL
THICKENER BUILDING
SECOND FLOOR PLAN (2/2)
MECHANICAL PLAN

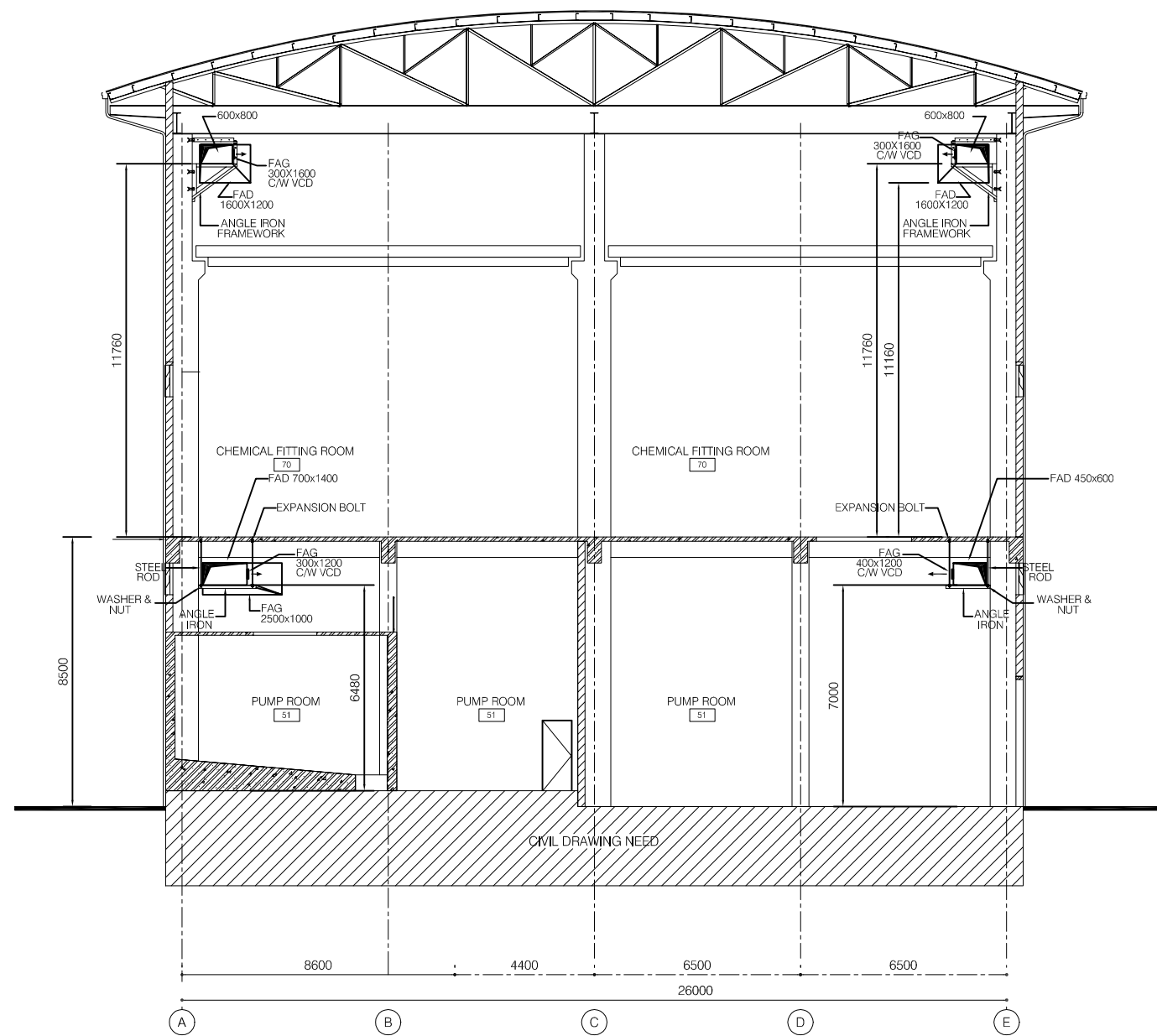
SCALE : 1/100

JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PC PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED KIKUTA HIROSHI	CHECKED KONDO MASAMI
----------------------------	-------------------------

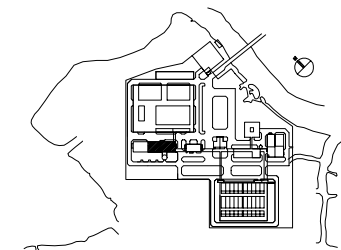
DATE : JUNE 2001 DWG. No. PE-WWTP-304-29



SECTION A-A
SCALE: 1/100

LEGEND :

- EAG EXHAUST AIR GRILLE
- EAF EXHAUST AIR FAN
- EAL EXHAUST AIR LOUVRE
- FAL FRESH AIR LOUVRE
- W/ WITH
- ☒ AXIAL FAN
- ▮ WALL MOUNTED FAN
- ▭ NON INSULATION
- ▨ INTERNAL INSULATION 25mm THK



NO.	DATE	DESCRIPTIONS	BY	APRO.
-----	------	--------------	----	-------

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN STUDY ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PACKAGE E
WASTEWATER TREATMENT PLANT
DEWATERING AND CENTRIFUGAL
THICKENER BUILDING
MECHANICAL SECTION A-A

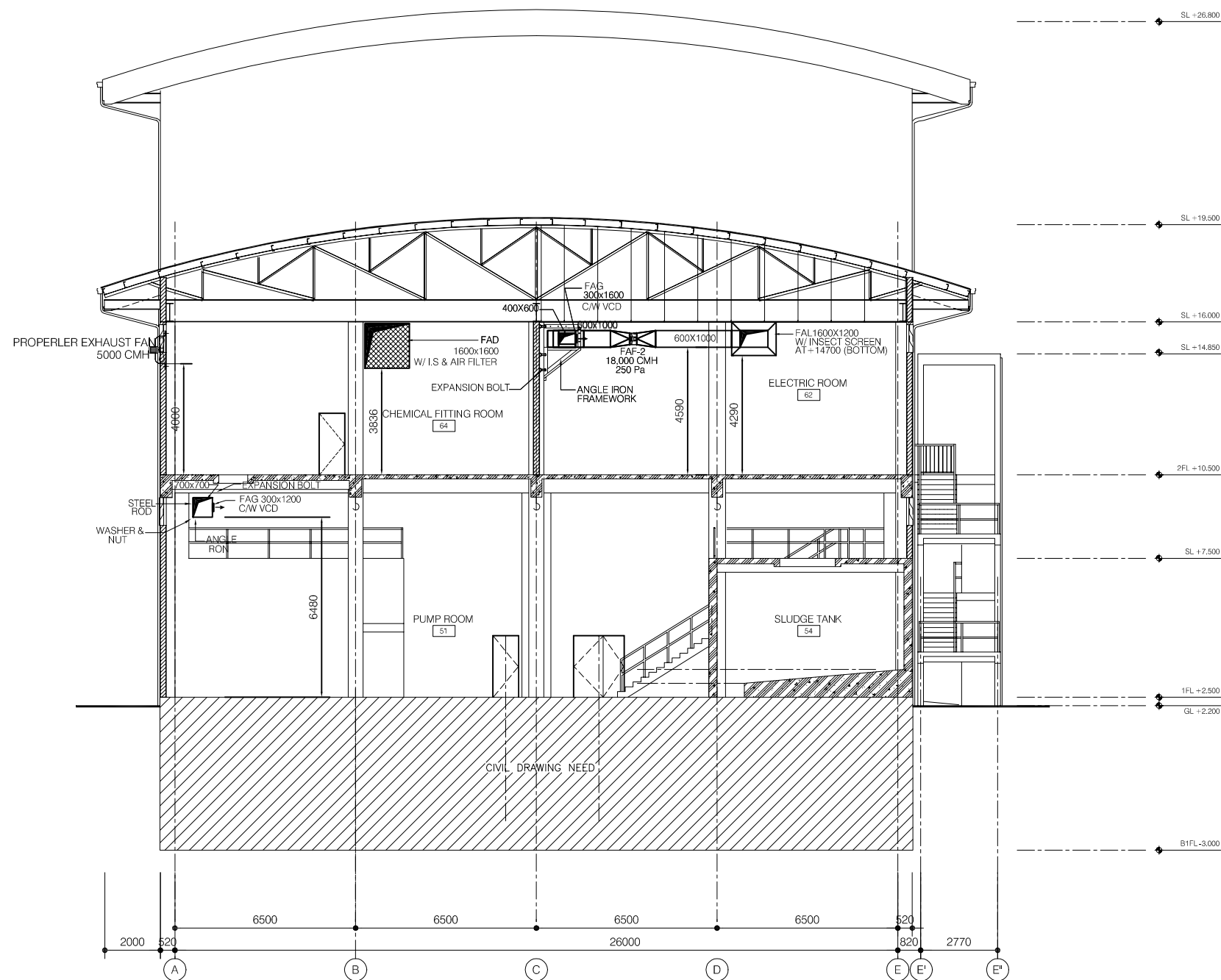
SCALE : 1/100

JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED KIKUTA HIROSHI	CHECKED KONDO MASAMI
----------------------------	-------------------------

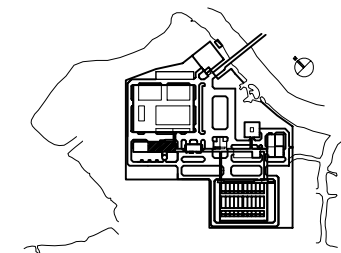
DATE : JUNE 2001 DWG. No. PE-WWTP-304-30



CROSS SECTION B-B
SCALE: 1/100

LEGEND :

- EAG EXHAUST AIR GRILLE
- EAF EXHAUST AIR FAN
- EAL EXHAUST AIR LOUVRE
- FAL FRESH AIR LOUVRE
- W/ WITH
- AXIAL FAN
- WALL MOUNTED FAN
- NON INSULATION
- INTERNAL INSULATION 25mm THK



NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN STUDY ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

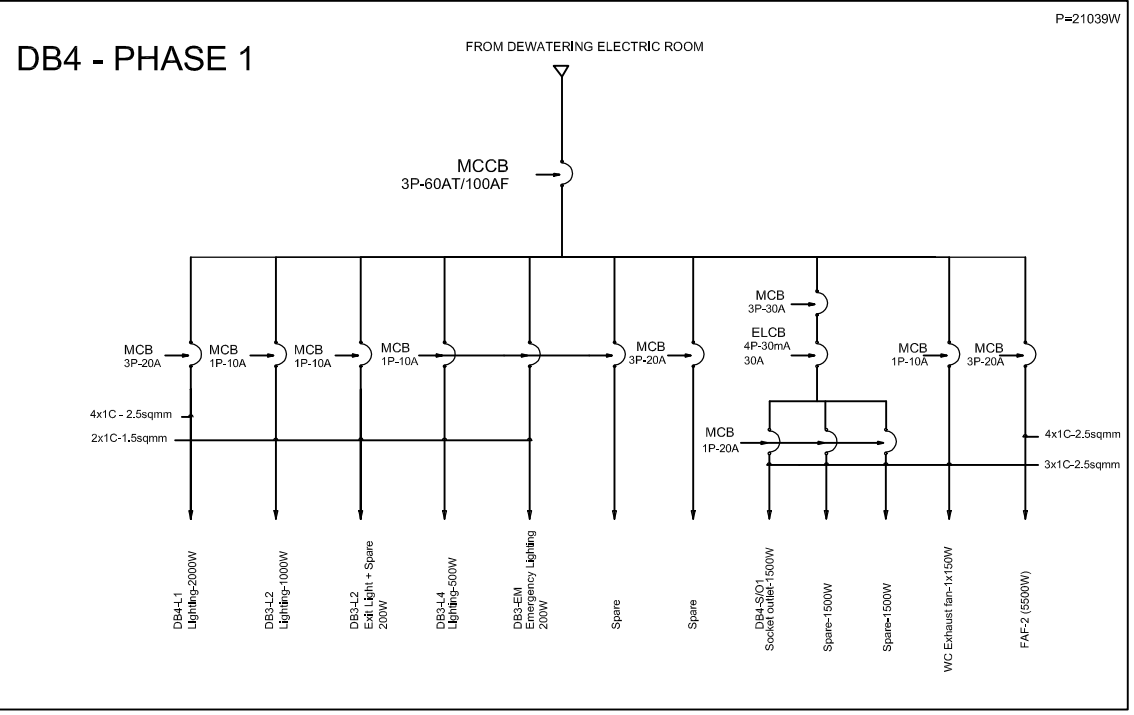
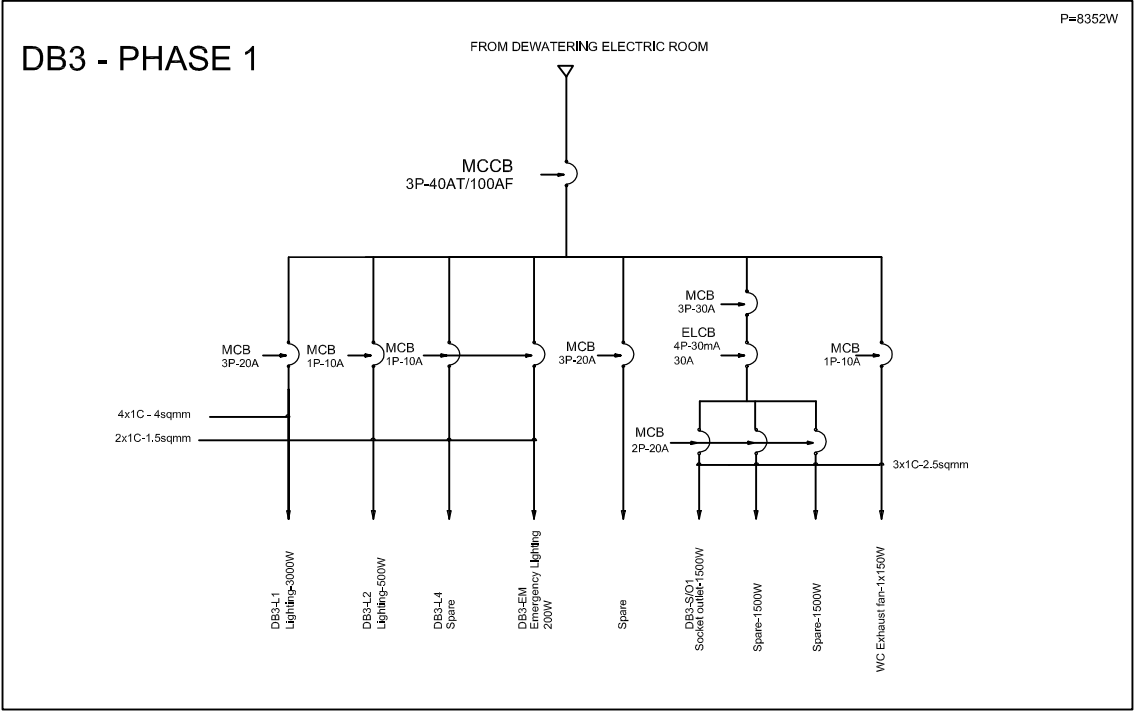
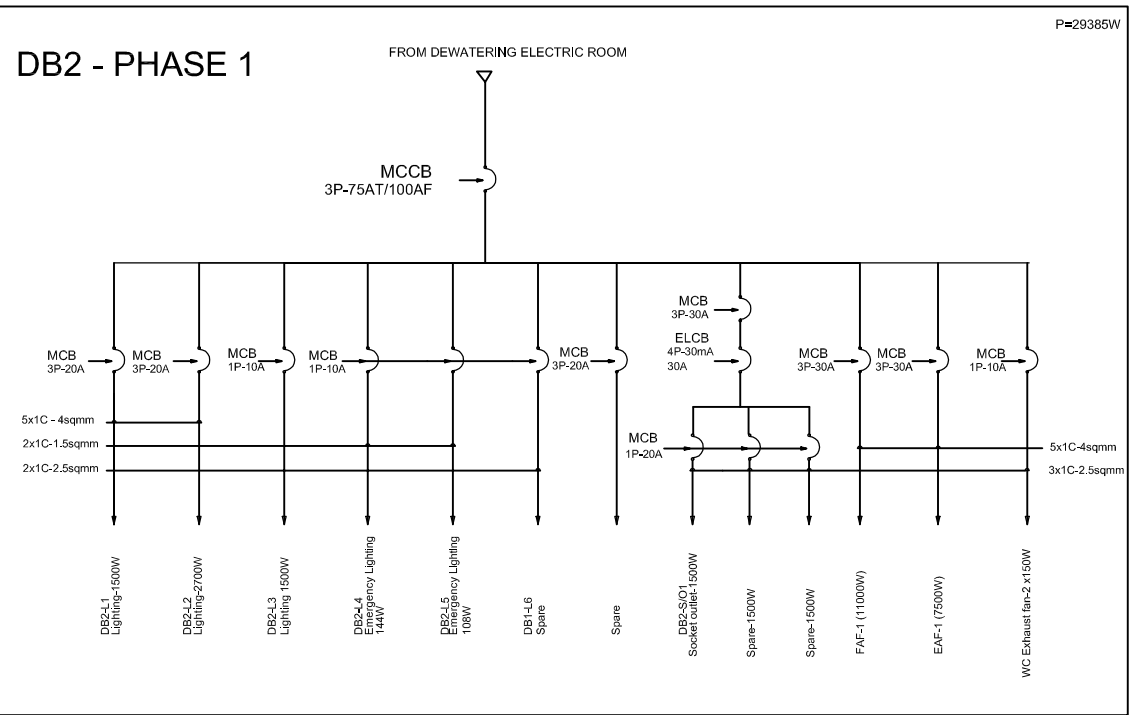
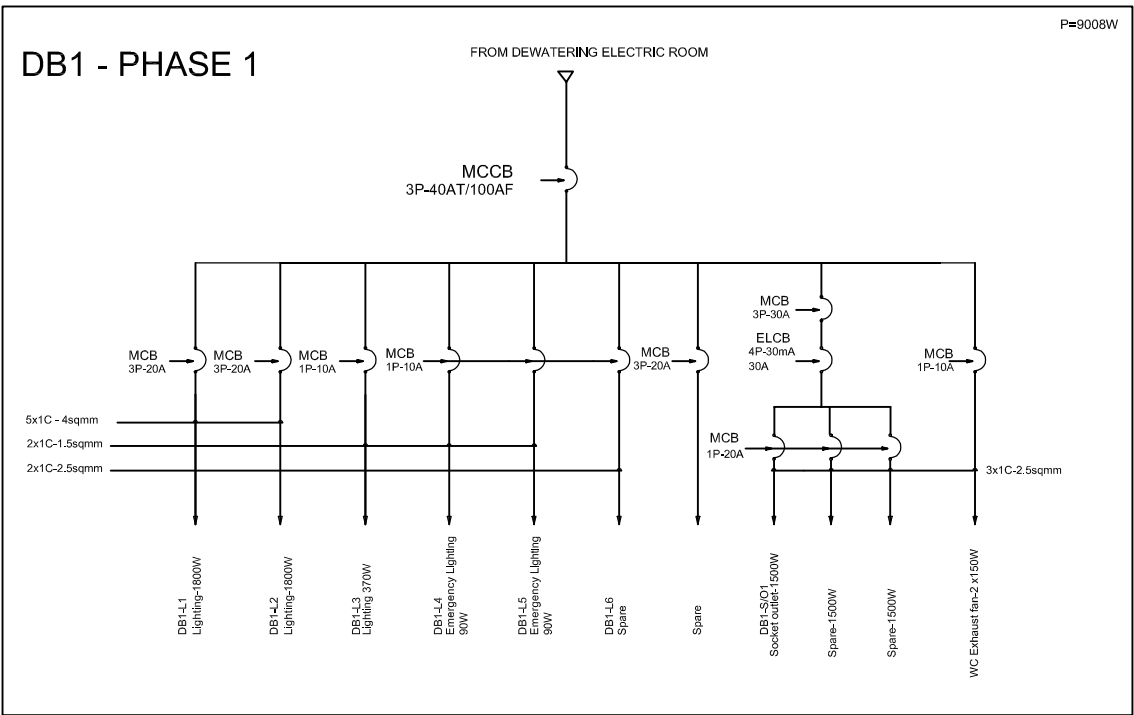
PACKAGE E
WASTEWATER TREATMENT PLANT
DEWATERING AND CENTRIFUGAL
THICKENER BUILDING
MECHANICAL SECTION B-B

SCALE : 1/100

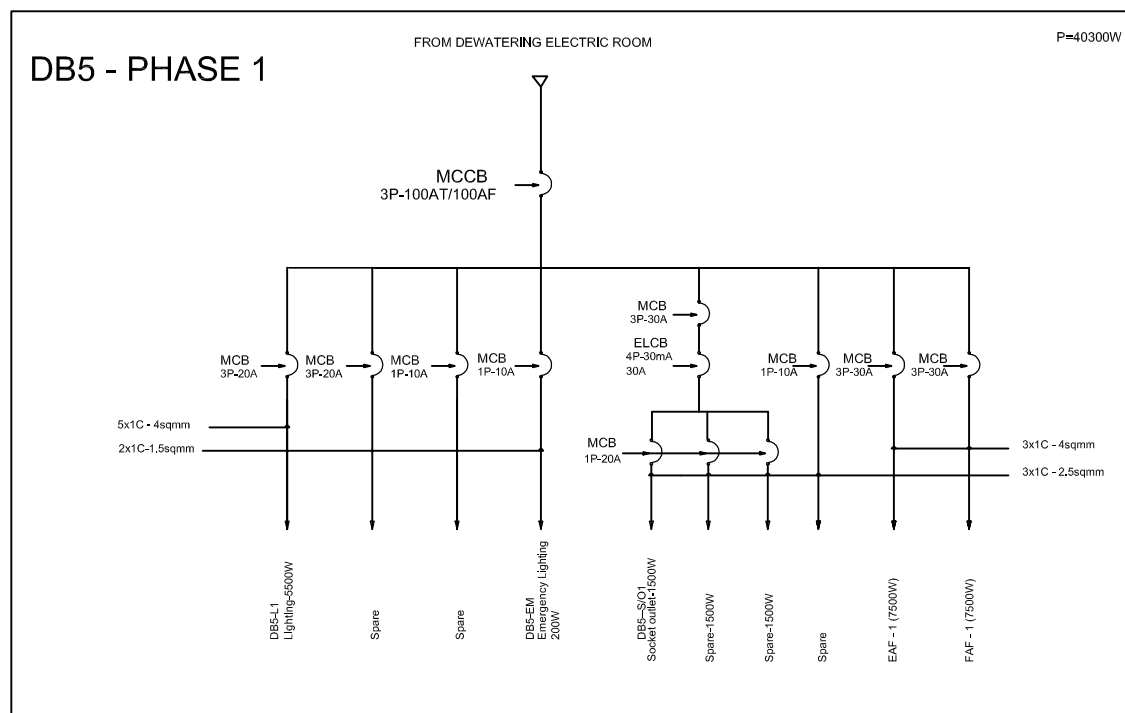
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED KIKUTA HIROSHI	CHECKED KONDO MASAMI
DATE : JUNE 2001	DWG. No. PE-WWTP-304-31



NO.	DATE	DESCRIPTIONS	BY	APRO.
REVISIONS				
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT				
THE DETAILED DESIGN STUDY ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM				
PACKAGE E WASTE WATER TREATMENT PLANT DEWATERING AND CENTRIFUGAL THICKENER BUILDING ELECTRICAL DIAGRAM (1/2)				
SCALE : N.T.S				
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				
PACIFIC CONSULTANTS INTERNATIONAL				
DESIGNED KIKUTA HIROSHI		CHECKED KONDO MASAMI		
DATE : JUNE 2001		DWG. No. PE-WWTP-304-32		



NO.	DATE	DESCRIPTIONS	BY	APRO.
-----	------	--------------	----	-------

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN STUDY ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PACKAGE E
WASTE WATER TREATMENT PLANT
**DEWATERING AND CENTRIFUGAL
THICKENER BUILDING**
ELECTRICAL DIAGRAM (2/2)

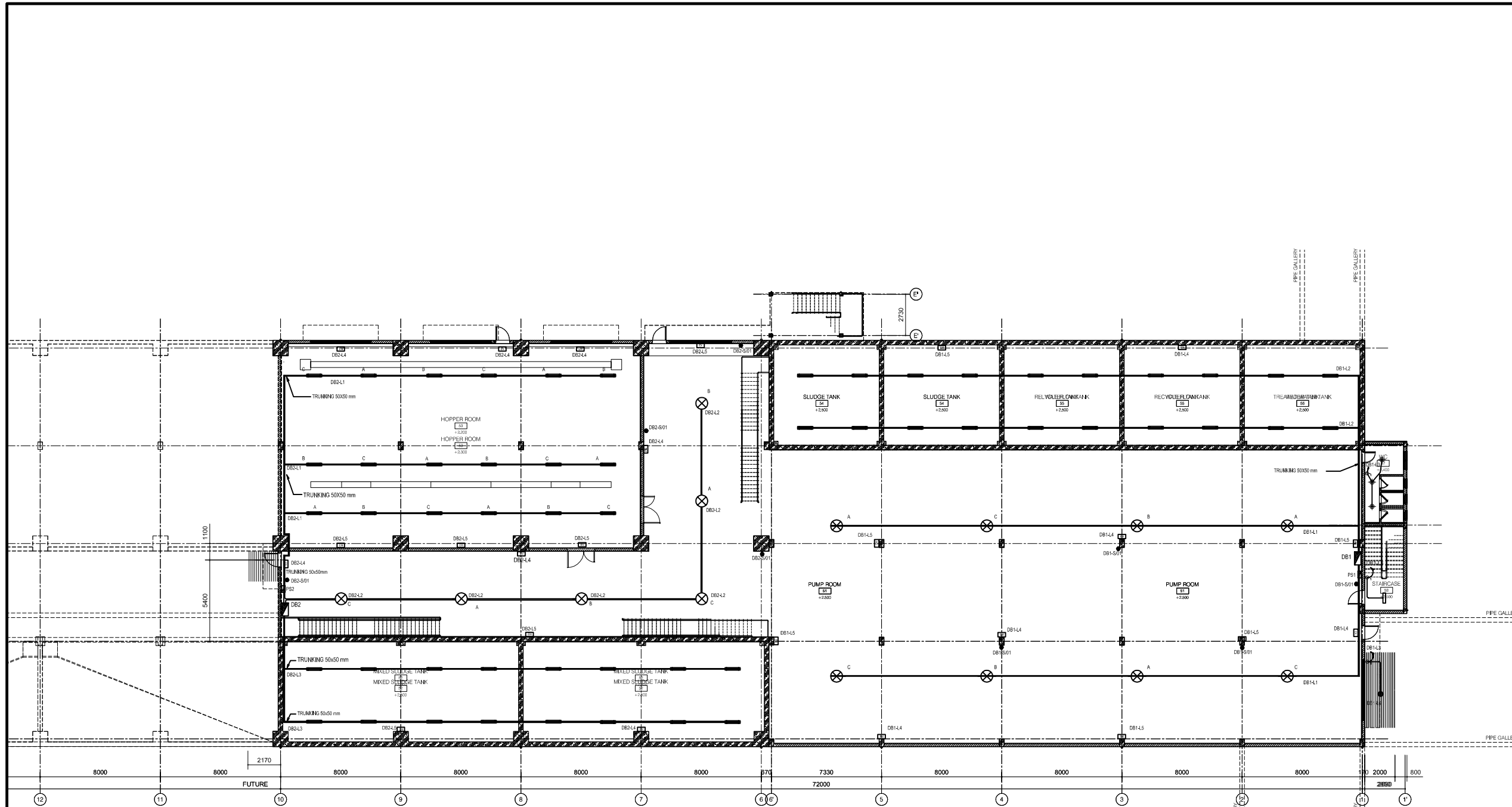
SCALE : N.T.S

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

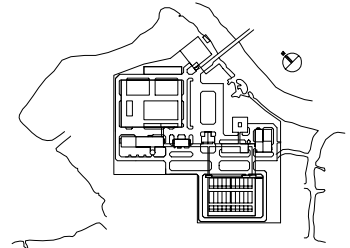
DESIGNED KIKUTA HIROSHI	CHECKED KONDO MASAMI
----------------------------	-------------------------

DATE : JUNE 2001 DWG. No. PE-WWTP-304-33



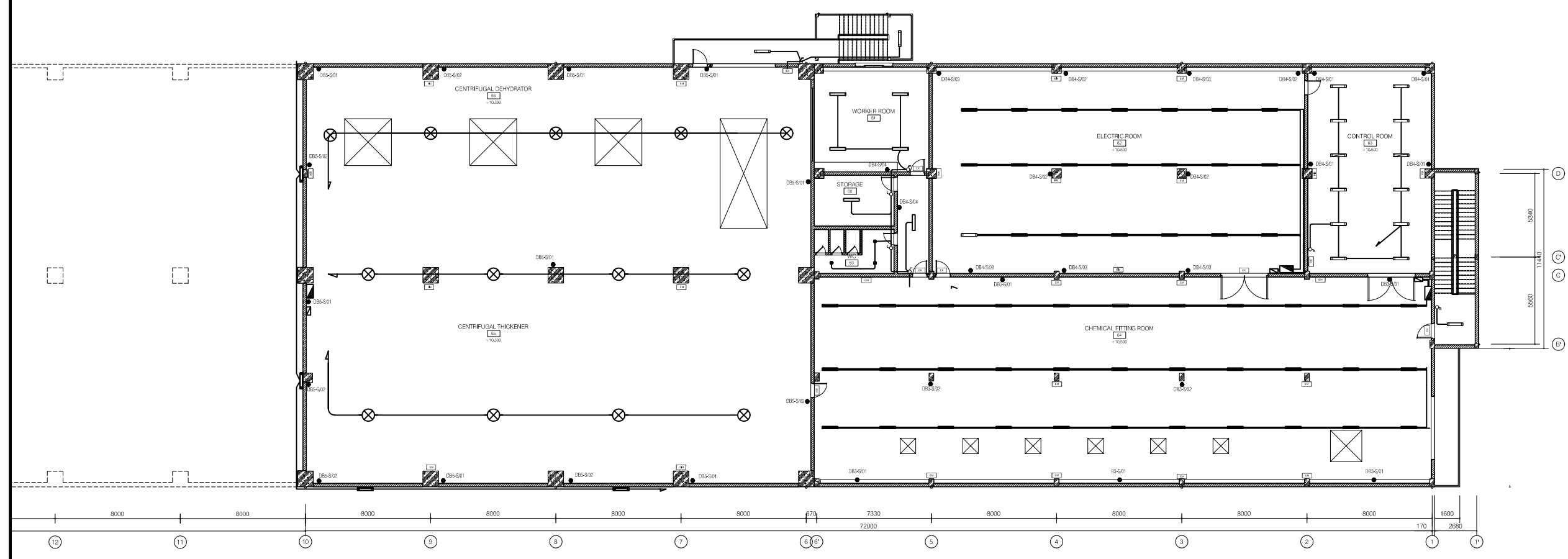
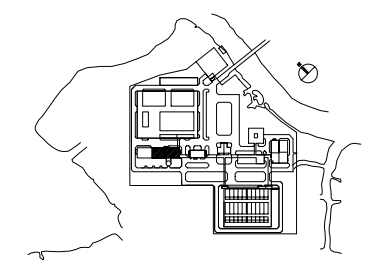
FIRST FLOOR - ELECTRICAL PLAN
SCALE: 1/150

- LEGEND**
- ⊗ 400W HIGH PRESSURE SODIUM INDUSTRIAL HIGH BAY LUMINAIRE
 - ▬ 2x36W RECESSED FLOURESCENT.
 - ▬ 2x36W FLOURESCENT BATTEN (CEILING OR WALL MOUNTED)
 - 1x40W DOWNLIGHT (h WC)
 - 100W OUTDOOR LUMINAIRE, IP 56
 - 1x40W DOWNLIGHT (h WC)
 - ▬ 1x18W FLOURESCENT BATTEN, IP65
 - ▬ 2x36W FLOURESCENT BATTEN, IP65
 - 2x10W NON-MAINTAINED EXIT LIGHT
 - 16A DUPLEX SOCKET OUTLET
 - 16A DUPLEX SOCKET OUTLET FOR A/C UNIT
 - ⚡ 1 WAY SINGLE SWITCH
 - DISTRIBUTION BOARD
 - DL : DOOR LOUVER
 - EAF : EXHAUST AIR FAN



NO.	DATE	DESCRIPTIONS	BY	APRO.
REVISIONS				
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT				
THE DETAILED DESIGN STUDY ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM				
PACKAGE E WASTEWATER TREATMENT PLANT DEWATERING AND CENTRIFUGAL THICKENER BUILDING FIRST FLOOR ELECTRICAL PLAN				
SCALE : 1/150				
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				
PACIFIC CONSULTANTS INTERNATIONAL				
DESIGNED KIKUTA HIROSHI		CHECKED KONDO MASAMI		
DATE : JUNE 2001		DWG. No. PE-WWTP-304-34		

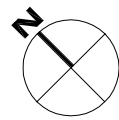
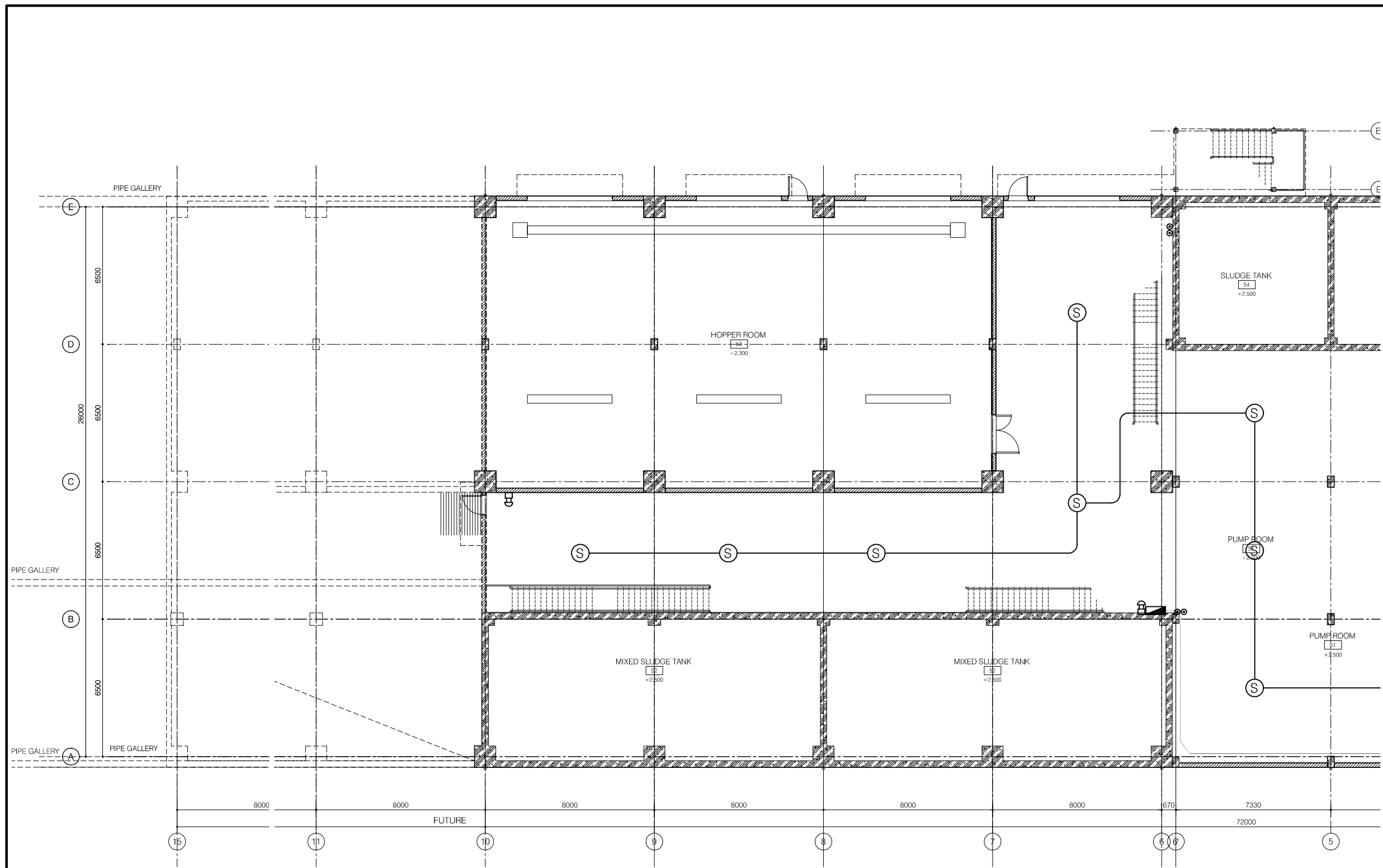
- LEGEND**
- ⊗ 400W HIGH PRESSURE SODIUM INDUSTRIAL HIGH BAY LUMINAIRE
 - 2x36W RECESSED FLOURESCENT
 - ▬ 2x36W FLOURESCENT BATTEN (CEILING OR WALL MOUNTED)
 - 1x40W DOWNLIGHT (in VCI)
 - 100W OUTDOOR LUMINAIRE, IP 56
 - 1x40W DOWNLIGHT (in VCI)
 - ▬ 1x18W FLOURESCENT BATTEN, IP65
 - ▬ 2x36W FLOURESCENT BATTEN, IP65
 - 2x10W NON-MAINTAINED EXIT LIGHT
 - 16A DUPLEX SOCKET OUTLET
 - 16A DUPLEX SOCKET OUTLET FOR A/C UNIT
 - 1 WAY SINGLE SWITCH
 - DISTRIBUTION BOARD
 - DL : DOOR LOUVER
 - EAF : EXHAUST AIR FAN



SECOND FLOOR- ELECTRICAL PLAN
SCALE: 1/150

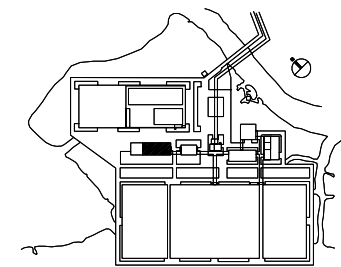
NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS				
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT				
THE DETAILED DESIGN STUDY ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM				
PACKAGE E WASTEWATER TREATMENT PLANT DEWATERING AND CENTRIFUGAL THICKENER BUILDING SECOND FLOOR ELECTRICAL PLAN				
SCALE : 1/150				
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				
PACIFIC CONSULTANTS INTERNATIONAL				
DESIGNED KIKUTA HIROSHI		CHECKED KONDO MASAMI		
DATE : JUNE 2001		DWG. No. PE-WWTP-304-35		



FIRST FLOOR - FIRE ALARM PLAN (UPPER - 1/2)
SCALE 1/100

- LEGEND**
- RX - TX BEAM TYPE
 - EMERGENCY BUTTON
 - FIRE ALARM BELL
 - HOSE REEL BOX
 - ABC FIRE EXTINGUISHER 8KG
 - SIREN
 - SMOKE DETECTOR ION-POINT TYPE



NO.	DATE	DESCRIPTIONS	BY	APPRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN STUDY ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PACKAGE E
WASTEWATER TREATMENT PLANT
DEWATERING & CENTRIFUGAL
THICKENER BUILDING
FIRST FLOOR PLAN (UPPER-1/2)
FIRE ALARM PLAN

SCALE : 1/100

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED KIKUTA HIROSHI	CHECKED KONDO MASAMI
----------------------------	-------------------------

DATE : JUNE 2001 DWG. No. PE-WWTP-304-36