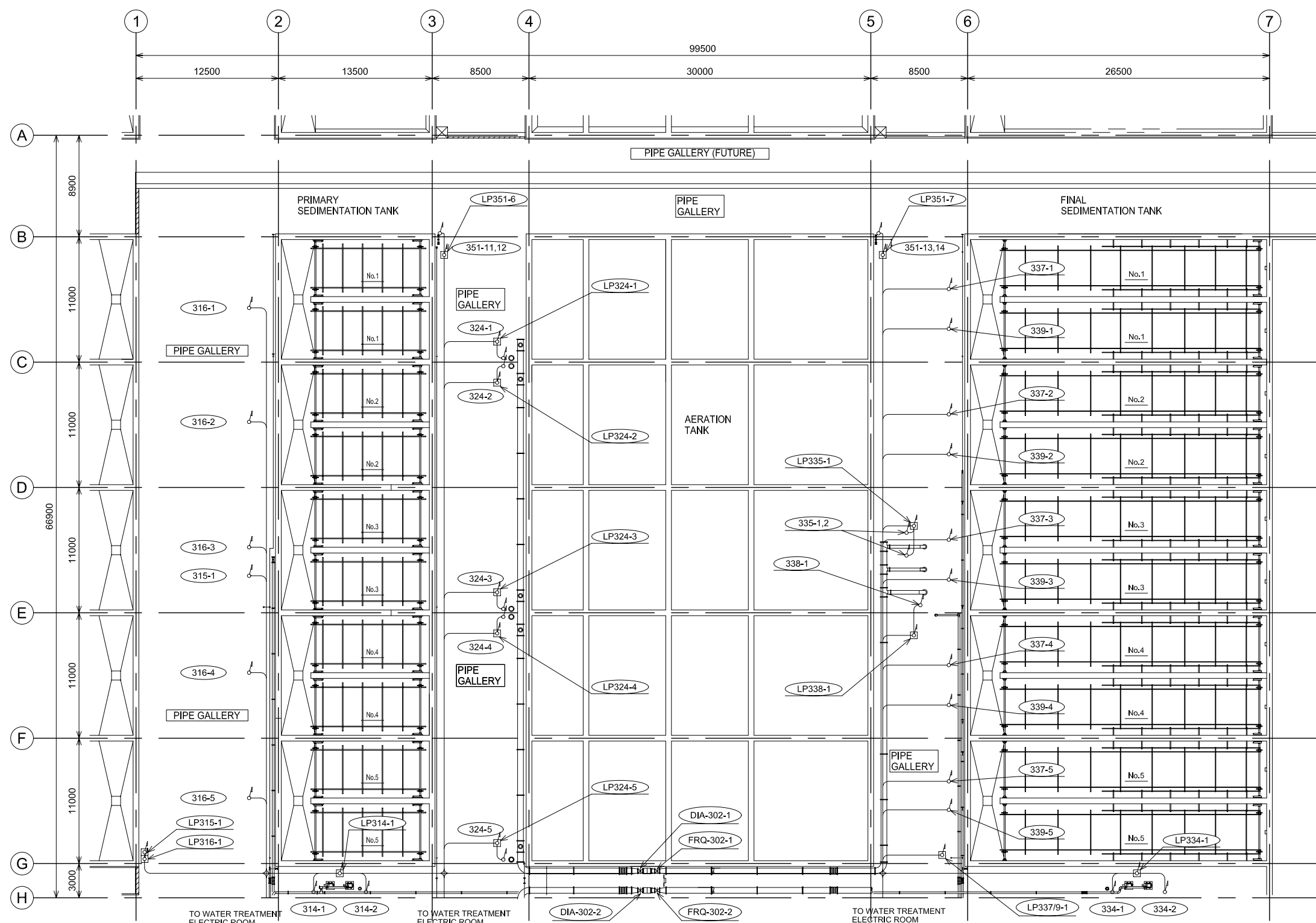
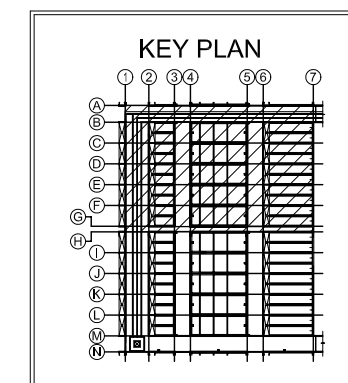




MOTOR LIST

MOTOR No.	NAME OF EQUIPMENT	MOTOR No.	NAME OF EQUIPMENT	MOTOR No.	NAME OF EQUIPMENT	MOTOR No.	NAME OF EQUIPMENT
312-1	PRIMARY SEDIMENTATION TANK	316-8	RAW SLUDGE VALVE	332-5	SLUDGE SCRAPER	338-1	EXCESS SLUDGE PUMP
312-2	SLUDGE SCRAPER	316-9	RAW SLUDGE VALVE	332-6	SLUDGE SCRAPER	338-2	EXCESS SLUDGE PUMP
312-3	SLUDGE SCRAPER	316-10	RAW SLUDGE VALVE	332-7	SLUDGE SCRAPER	339-1	EXCESS SLUDGE VALVE
312-4	SLUDGE SCRAPER	317-1	COMMINUTER	332-8	SLUDGE SCRAPER	339-2	EXCESS SLUDGE VALVE
312-5	SLUDGE SCRAPER			332-9	SLUDGE SCRAPER	339-3	EXCESS SLUDGE VALVE
312-6	SLUDGE SCRAPER		AERATION TANK	332-10	SLUDGE SCRAPER	339-4	EXCESS SLUDGE VALVE
312-7	SLUDGE SCRAPER	324-1	AIR FLOW CONTROL VALVE	334-1	SCUM PUMP	339-5	EXCESS SLUDGE VALVE
312-8	SLUDGE SCRAPER	324-2	AIR FLOW CONTROL VALVE	334-2	SCUM PUMP	339-6	EXCESS SLUDGE VALVE
312-9	SLUDGE SCRAPER	324-3	AIR FLOW CONTROL VALVE	335-1	RETURN SLUDGE PUMP (25%)	339-7	EXCESS SLUDGE VALVE
312-10	SLUDGE SCRAPER	324-4	AIR FLOW CONTROL VALVE	335-2	RETURN SLUDGE PUMP (25%)	339-8	EXCESS SLUDGE VALVE
314-1	SCUM PUMP	324-5	AIR FLOW CONTROL VALVE	335-3	RETURN SLUDGE PUMP (25%)	339-9	EXCESS SLUDGE VALVE
314-2	SCUM PUMP	324-6	AIR FLOW CONTROL VALVE	335-4	RETURN SLUDGE PUMP (25%)	339-10	EXCESS SLUDGE VALVE
315-1	RAW SLUDGE PUMP	324-7	AIR FLOW CONTROL VALVE	337-1	RETURN SLUDGE VALVE	340-1	COMMINUTER
315-2	RAW SLUDGE PUMP	324-8	AIR FLOW CONTROL VALVE	337-2	RETURN SLUDGE VALVE	351-1	FLOOR DRAINAGE PUMP
316-1	RAW SLUDGE VALVE	324-9	AIR FLOW CONTROL VALVE	337-3	RETURN SLUDGE VALVE	351-2	FLOOR DRAINAGE PUMP
316-2	RAW SLUDGE VALVE	324-10	AIR FLOW CONTROL VALVE	337-4	RETURN SLUDGE VALVE	351-3	FLOOR DRAINAGE PUMP
316-3	RAW SLUDGE VALVE			337-5	RETURN SLUDGE VALVE	351-4	FLOOR DRAINAGE PUMP
316-4	RAW SLUDGE VALVE		FINAL SEDIMENTATION TANK	337-6	RETURN SLUDGE VALVE	351-5	FLOOR DRAINAGE PUMP
316-5	RAW SLUDGE VALVE	332-1	SLUDGE SCRAPER	337-7	RETURN SLUDGE VALVE	351-6	FLOOR DRAINAGE PUMP
316-6	RAW SLUDGE VALVE	332-2	SLUDGE SCRAPER	337-8	RETURN SLUDGE VALVE	351-7	FLOOR DRAINAGE PUMP
316-7	RAW SLUDGE VALVE	332-3	SLUDGE SCRAPER	337-9	RETURN SLUDGE VALVE	351-8	FLOOR DRAINAGE PUMP
		332-4	SLUDGE SCRAPER	337-10	RETURN SLUDGE VALVE	351-9	FLOOR DRAINAGE PUMP

MIDDLE PLAN (1/2)

NO.	DATE	DESCRIPTIONS	BY	APRO.
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REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

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

PACKAGE E
WASTEWATER TREATMENT PLANT

WIRING & PIPING PLAN
FOR
WASTEWATER TREATMENT PLANT
(3/8)

SCALE : 1/200

JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

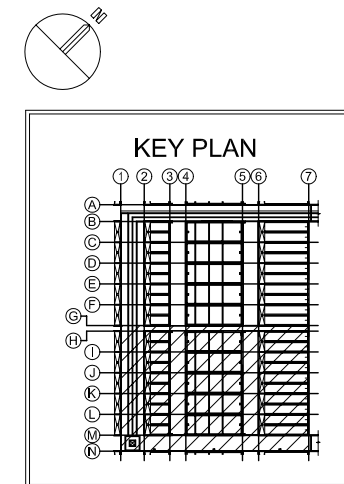
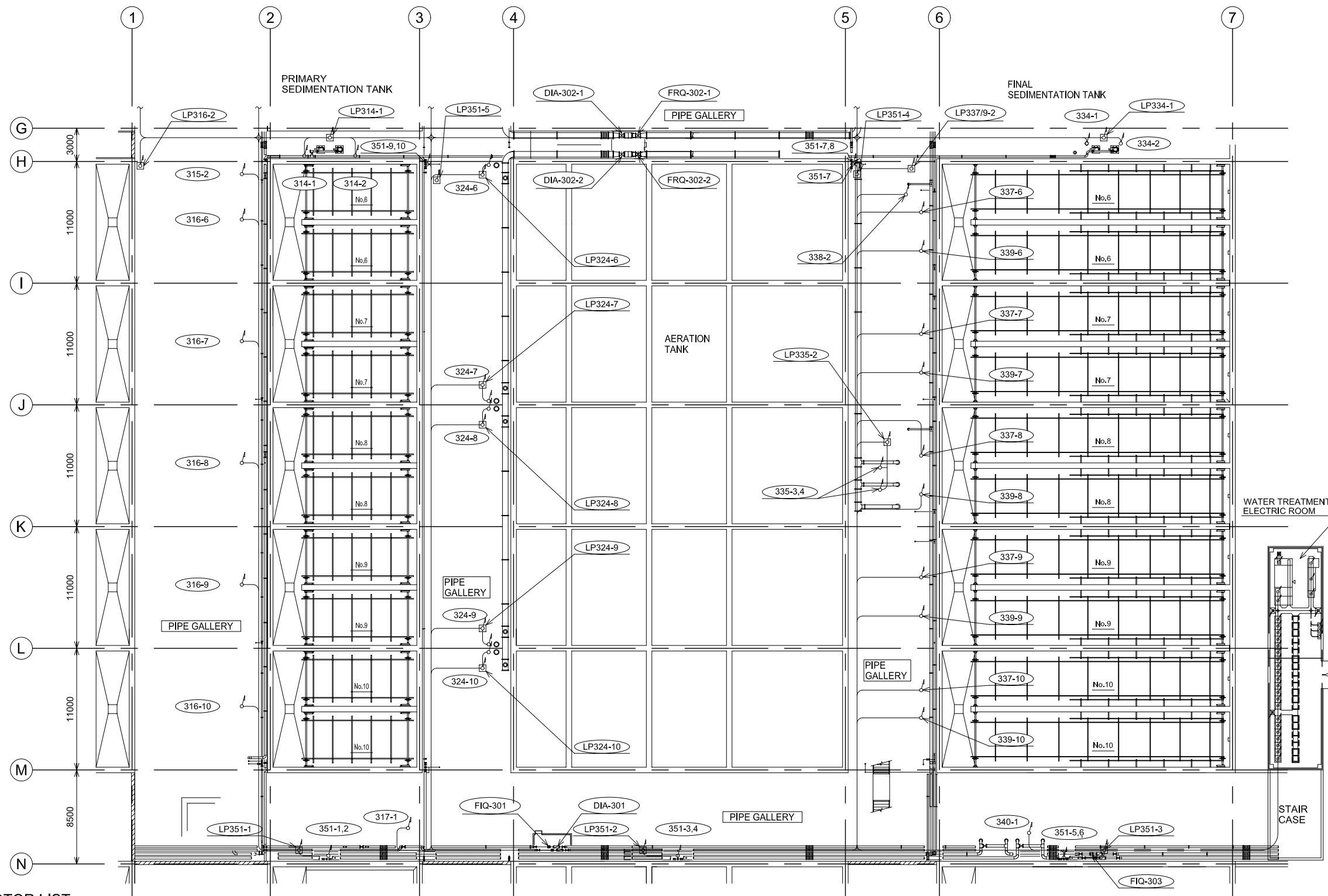
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED
KOMIYA NOBUO

CHECKED
KONDO MASAMI

DATE : JUNE 2001

DWG. No. PE - WWTP - 534-03

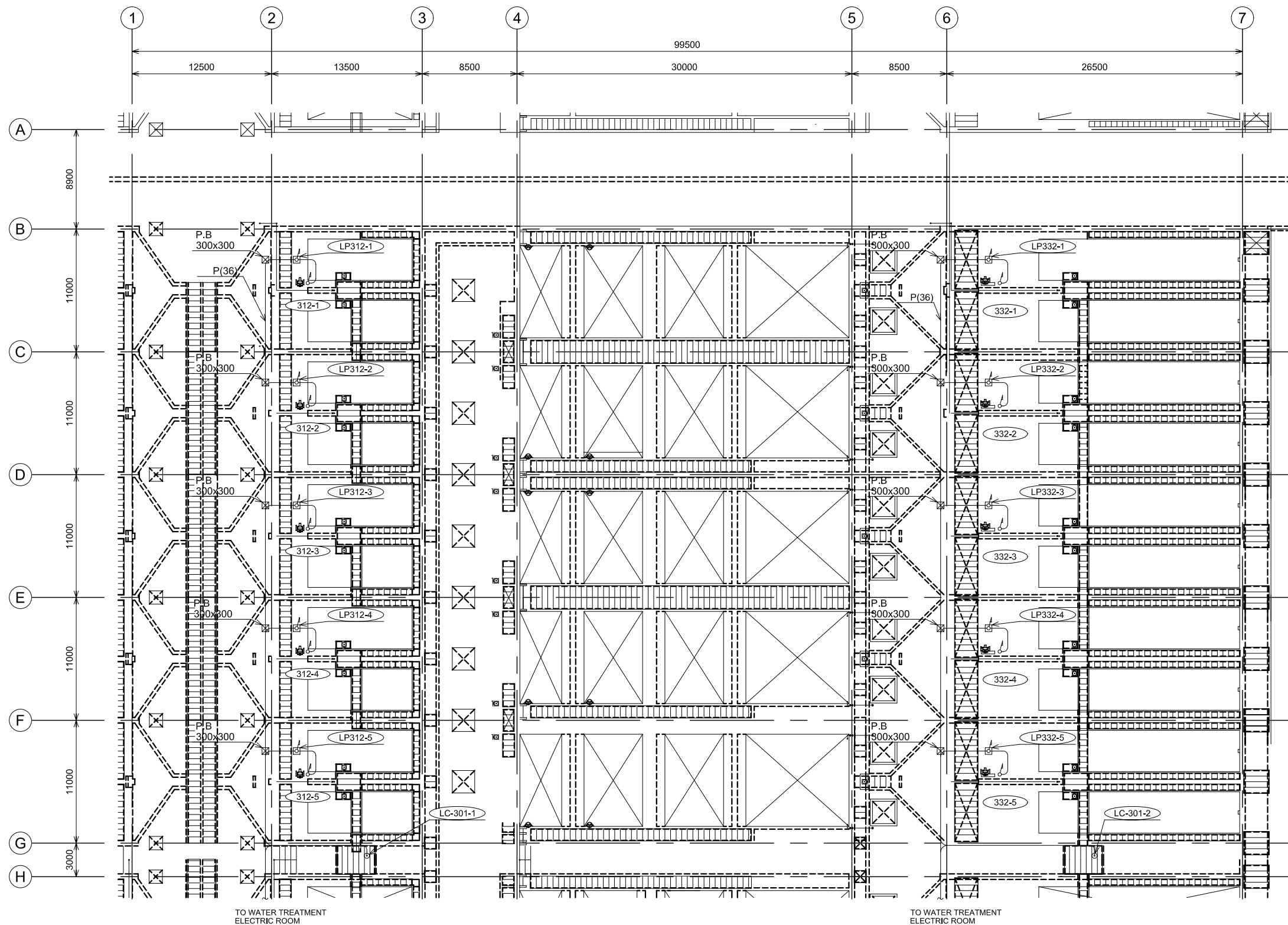


MOTOR LIST

MOTOR No.	NAME OF EQUIPMENT	MOTOR No.	NAME OF EQUIPMENT	MOTOR No.	NAME OF EQUIPMENT	MOTOR No.	NAME OF EQUIPMENT	MOTOR No.	NAME OF EQUIPMENT
312-1	PRIMARY SEDIMENTATION TANK	316-8	RAW SLUDGE VALVE	332-5	SLUDGE SCRAPER	338-1	EXCESS SLUDGE PUMP	351-10	FLOOR DRAINAGE PUMP
312-2	SLUDGE SCRAPER	316-9	RAW SLUDGE VALVE	332-6	SLUDGE SCRAPER	338-2	EXCESS SLUDGE PUMP	351-11	FLOOR DRAINAGE PUMP
312-3	SLUDGE SCRAPER	316-10	RAW SLUDGE VALVE	332-7	SLUDGE SCRAPER	339-1	EXCESS SLUDGE VALVE	351-12	FLOOR DRAINAGE PUMP
312-4	SLUDGE SCRAPER	317-1	COMMINUTER	332-8	SLUDGE SCRAPER	339-2	EXCESS SLUDGE VALVE	351-13	FLOOR DRAINAGE PUMP
312-5	SLUDGE SCRAPER			332-9	SLUDGE SCRAPER	339-3	EXCESS SLUDGE VALVE	351-14	FLOOR DRAINAGE PUMP
312-6	SLUDGE SCRAPER			332-10	SLUDGE SCRAPER	339-4	EXCESS SLUDGE VALVE		
312-7	SLUDGE SCRAPER	324-1	AIR FLOW CONTROL VALVE	334-1	SCUM PUMP	339-5	EXCESS SLUDGE VALVE	ITEM No.	INSTRUMENTATION EQUIPMENT
312-8	SLUDGE SCRAPER	324-2	AIR FLOW CONTROL VALVE	334-2	SCUM PUMP	339-6	EXCESS SLUDGE VALVE	FIQ-202-1-10	AERATION TANK AIR FLOW METER
312-9	SLUDGE SCRAPER	324-3	AIR FLOW CONTROL VALVE	335-1	RETURN SLUDGE PUMP (25%)	339-7	EXCESS SLUDGE VALVE	FIQ-301	RAW SLUDGE FLOW METER
312-10	SLUDGE SCRAPER	324-4	AIR FLOW CONTROL VALVE	335-2	RETURN SLUDGE PUMP (25%)	339-8	EXCESS SLUDGE VALVE	FRQ-302-1.2	RETURN SLUDGE FLOW METER
314-1	SCUM PUMP	324-5	AIR FLOW CONTROL VALVE	335-3	RETURN SLUDGE PUMP (25%)	339-9	EXCESS SLUDGE VALVE	FIQ-303	EXCESS SLUDGE FLOW METER
314-2	SCUM PUMP	324-6	AIR FLOW CONTROL VALVE	335-4	RETURN SLUDGE PUMP (25%)	339-10	EXCESS SLUDGE VALVE	DIA-301	RAW SLUDGE DENSITY METER
315-1	RAW SLUDGE PUMP	324-7	AIR FLOW CONTROL VALVE	337-1	RETURN SLUDGE VALVE	340-1	COMMINUTER	DIA-302-1.2	RETURN SLUDGE DENSITY METER
315-2	RAW SLUDGE PUMP	324-8	AIR FLOW CONTROL VALVE	337-2	RETURN SLUDGE VALVE	351-1	FLOOR DRAINAGE PUMP	LC-301-1.2	SCUM TANK LEVEL SWITCH
316-1	RAW SLUDGE VALVE	324-9	AIR FLOW CONTROL VALVE	337-3	RETURN SLUDGE VALVE	351-2	FLOOR DRAINAGE PUMP	LC-302-308	FLOOR DRAINAGE PIT LEVEL SWITCH
316-2	RAW SLUDGE VALVE	324-10	AIR FLOW CONTROL VALVE	337-4	RETURN SLUDGE VALVE	351-3	FLOOR DRAINAGE PUMP		
316-3	RAW SLUDGE VALVE			337-5	RETURN SLUDGE VALVE	351-4	FLOOR DRAINAGE PUMP		
316-4	RAW SLUDGE VALVE			337-6	RETURN SLUDGE VALVE	351-5	FLOOR DRAINAGE PUMP		
316-5	RAW SLUDGE VALVE			337-7	RETURN SLUDGE VALVE	351-6	FLOOR DRAINAGE PUMP		
316-6	RAW SLUDGE VALVE			337-8	RETURN SLUDGE VALVE	351-7	FLOOR DRAINAGE PUMP		
316-7	RAW SLUDGE VALVE			337-9	RETURN SLUDGE VALVE	351-8	FLOOR DRAINAGE PUMP		
				337-10	RETURN SLUDGE VALVE	351-9	FLOOR DRAINAGE PUMP		

MIDDLE PLAN (2/2)

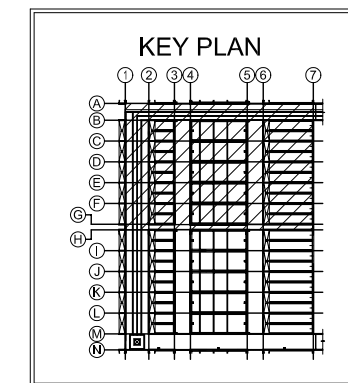
NO.	DATE	DESCRIPTIONS	BY	APPRO.
REVISIONS				
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT				
THE DETAILED DESIGN ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM				
PACKAGE E WASTEWATER TREATMENT PLANT WIRING & PIPING PLAN FOR WASTEWATER TREATMENT PLANT (4/8)				
SCALE : 1/200				
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				
 PACIFIC CONSULTANTS INTERNATIONAL				
DESIGNED KOMIYA NOBUO		CHECKED KONDO MASAMI		
DATE : JUNE 2001		DWG. No. PE - WWTP - 534-04		



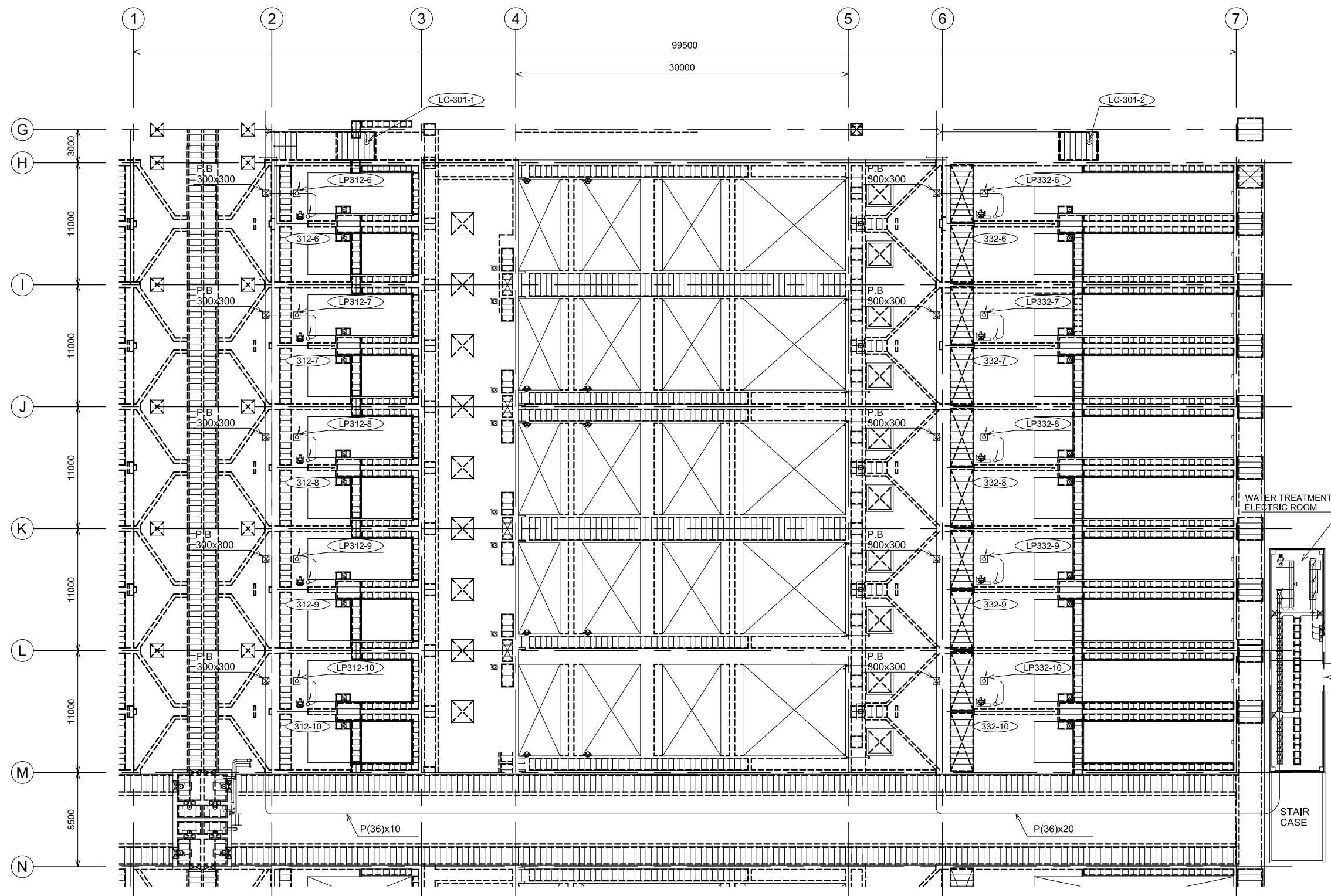
MOTOR LIST

MOTOR No.	NAME OF EQUIPMENT	MOTOR No.	NAME OF EQUIPMENT
	PRIMARY SEDIMENTATION TANK		FINAL SEDIMENTATION TANK
312-1	SLUDGE SCRAPER	332-1	SLUDGE SCRAPER
312-2	SLUDGE SCRAPER	332-2	SLUDGE SCRAPER
312-3	SLUDGE SCRAPER	332-3	SLUDGE SCRAPER
312-4	SLUDGE SCRAPER	332-4	SLUDGE SCRAPER
312-5	SLUDGE SCRAPER	332-5	SLUDGE SCRAPER
312-6	SLUDGE SCRAPER	332-6	SLUDGE SCRAPER
312-7	SLUDGE SCRAPER	332-7	SLUDGE SCRAPER
312-8	SLUDGE SCRAPER	332-8	SLUDGE SCRAPER
312-9	SLUDGE SCRAPER	332-9	SLUDGE SCRAPER
312-10	SLUDGE SCRAPER	332-10	SLUDGE SCRAPER

UPPER PLAN (1/2)



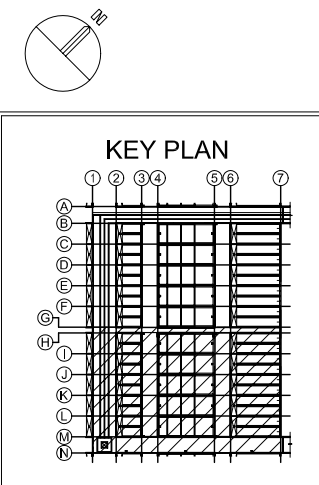
NO.	DATE	DESCRIPTIONS		BY	APPRO.
REVISIONS					
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT					
THE DETAILED DESIGN ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM					
PACKAGE E WASTEWATER TREATMENT PLANT WIRING & PIPING PLAN FOR WASTEWATER TREATMENT PLANT (5/8)					
SCALE : 1/200					
		JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)			
		PACIFIC CONSULTANTS INTERNATIONAL			
DESIGNED KOMIYA NOBUO			CHECKED KONDO MASAMI		
DATE : JUNE 2001			DWG. No. PE - WWTP - 534-05		



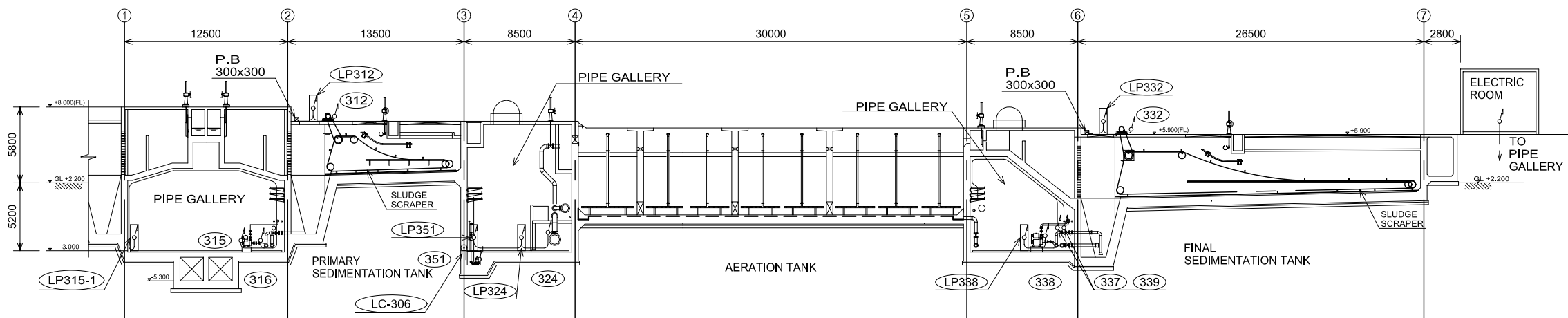
MOTOR LIST

MOTOR No.	NAME OF EQUIPMENT	MOTOR No.	NAME OF EQUIPMENT
	PRIMARY SEDIMENTATION TANK		FINAL SEDIMENTATION TANK
312-1	SLUDGE SCRAPER	332-1	SLUDGE SCRAPER
312-2	SLUDGE SCRAPER	332-2	SLUDGE SCRAPER
312-3	SLUDGE SCRAPER	332-3	SLUDGE SCRAPER
312-4	SLUDGE SCRAPER	332-4	SLUDGE SCRAPER
312-5	SLUDGE SCRAPER	332-5	SLUDGE SCRAPER
312-6	SLUDGE SCRAPER	332-6	SLUDGE SCRAPER
312-7	SLUDGE SCRAPER	332-7	SLUDGE SCRAPER
312-8	SLUDGE SCRAPER	332-8	SLUDGE SCRAPER
312-9	SLUDGE SCRAPER	332-9	SLUDGE SCRAPER
312-10	SLUDGE SCRAPER	332-10	SLUDGE SCRAPER

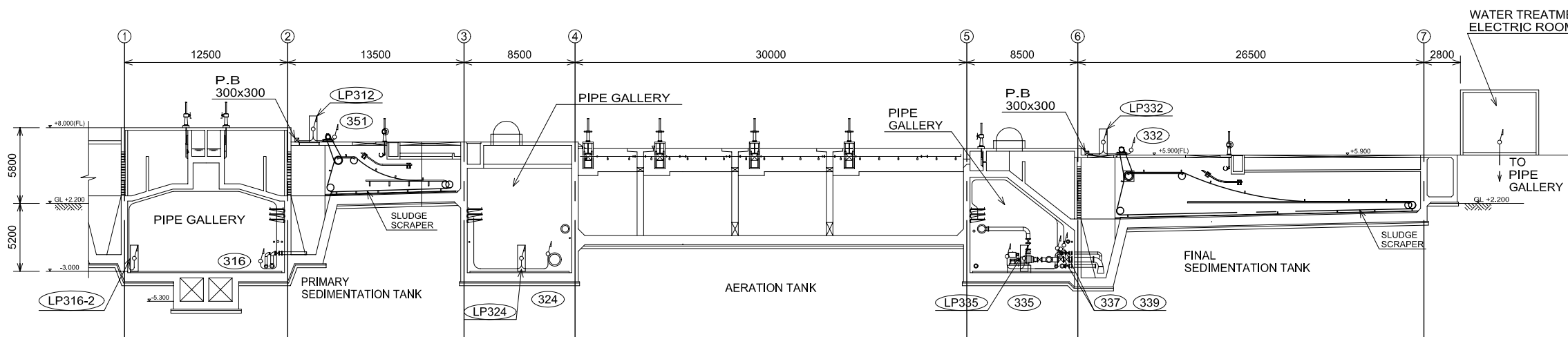
UPPER PLAN (2/2)



NO.	DATE	DESCRIPTIONS		BY	APPRO.
REVISIONS					
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT					
THE DETAILED DESIGN ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM					
PACKAGE E WASTEWATER TREATMENT PLANT WIRING & PIPING PLAN FOR WASTEWATER TREATMENT PLANT (6/8)					
SCALE : 1/200					
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
 PACIFIC CONSULTANTS INTERNATIONAL					
DESIGNED KOMIYA NOBUO			CHECKED KONDO MASAMI		
DATE : JUNE 2001			DWG. No. PE - WWTP - 534-06		



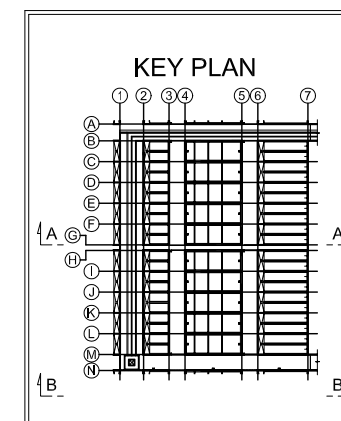
SECTION A-A



SECTION B-B

MOTOR LIST

MOTOR No.	NAME OF EQUIPMENT	MOTOR No.	NAME OF EQUIPMENT	MOTOR No.	NAME OF EQUIPMENT	MOTOR No.	NAME OF EQUIPMENT	MOTOR No.	NAME OF EQUIPMENT
312-1	PRIMARY SEDIMENTATION TANK	316-8	RAW SLUDGE VALVE	332-5	SLUDGE SCRAPER	338-1	EXCESS SLUDGE PUMP	351-10	FLOOR DRAINAGE PUMP
312-2	SLUDGE SCRAPER	316-9	RAW SLUDGE VALVE	332-6	SLUDGE SCRAPER	338-2	EXCESS SLUDGE PUMP	351-11	FLOOR DRAINAGE PUMP
312-3	SLUDGE SCRAPER	316-10	RAW SLUDGE VALVE	332-7	SLUDGE SCRAPER	339-1	EXCESS SLUDGE VALVE	351-12	FLOOR DRAINAGE PUMP
312-4	SLUDGE SCRAPER	317-1	COMMINUTER	332-8	SLUDGE SCRAPER	339-2	EXCESS SLUDGE VALVE	351-13	FLOOR DRAINAGE PUMP
312-5	SLUDGE SCRAPER			332-9	SLUDGE SCRAPER	339-3	EXCESS SLUDGE VALVE	351-14	FLOOR DRAINAGE PUMP
312-6	SLUDGE SCRAPER		AERATION TANK	332-10	SLUDGE SCRAPER	339-4	EXCESS SLUDGE VALVE		
312-7	SLUDGE SCRAPER	324-1	AIR FLOW CONTROL VALVE	334-1	SCUM PUMP	339-5	EXCESS SLUDGE VALVE	ITEM No.	INSTRUMENTATION EQUIPMENT
312-8	SLUDGE SCRAPER	324-2	AIR FLOW CONTROL VALVE	334-2	SCUM PUMP	339-6	EXCESS SLUDGE VALVE	FIQ-202-1-10	AERATION TANK AIR FLOW METER
312-9	SLUDGE SCRAPER	324-3	AIR FLOW CONTROL VALVE	335-1	RETURN SLUDGE PUMP (25%)	339-7	EXCESS SLUDGE VALVE	FIQ-301	RAW SLUDGE FLOW METER
312-10	SLUDGE SCRAPER	324-4	AIR FLOW CONTROL VALVE	335-2	RETURN SLUDGE PUMP (25%)	339-8	EXCESS SLUDGE VALVE	FRQ-302-1,2	RETURN SLUDGE FLOW METER
314-1	SCUM PUMP	324-5	AIR FLOW CONTROL VALVE	335-3	RETURN SLUDGE PUMP (25%)	339-9	EXCESS SLUDGE VALVE	FIQ-303	EXCESS SLUDGE FLOW METER
314-2	SCUM PUMP	324-6	AIR FLOW CONTROL VALVE	335-4	RETURN SLUDGE PUMP (25%)	339-10	EXCESS SLUDGE VALVE	DIA-301	RAW SLUDGE DENSITY METER
315-1	RAW SLUDGE PUMP	324-7	AIR FLOW CONTROL VALVE	337-1	RETURN SLUDGE VALVE	340-1	COMMINUTER	DIA-302-1,2	RETURN SLUDGE DENSITY METER
315-2	RAW SLUDGE PUMP	324-8	AIR FLOW CONTROL VALVE	337-2	RETURN SLUDGE VALVE	351-1	FLOOR DRAINAGE PUMP	LC-301-1,2	SCUM TANK LEVEL SWITCH
316-1	RAW SLUDGE VALVE	324-9	AIR FLOW CONTROL VALVE	337-3	RETURN SLUDGE VALVE	351-2	FLOOR DRAINAGE PUMP	LC-302-308	FLOOR DRAINAGE PIT LEVEL SWITCH
316-2	RAW SLUDGE VALVE	324-10	AIR FLOW CONTROL VALVE	337-4	RETURN SLUDGE VALVE	351-3	FLOOR DRAINAGE PUMP		
316-3	RAW SLUDGE VALVE			337-5	RETURN SLUDGE VALVE	351-4	FLOOR DRAINAGE PUMP		
316-4	RAW SLUDGE VALVE		FINAL SEDIMENTATION TANK	337-6	RETURN SLUDGE VALVE	351-5	FLOOR DRAINAGE PUMP		
316-5	RAW SLUDGE VALVE	332-1	SLUDGE SCRAPER	337-7	RETURN SLUDGE VALVE	351-6	FLOOR DRAINAGE PUMP		
316-6	RAW SLUDGE VALVE	332-2	SLUDGE SCRAPER	337-8	RETURN SLUDGE VALVE	351-7	FLOOR DRAINAGE PUMP		
316-7	RAW SLUDGE VALVE	332-3	SLUDGE SCRAPER	337-9	RETURN SLUDGE VALVE	351-8	FLOOR DRAINAGE PUMP		
		332-4	SLUDGE SCRAPER	337-10	RETURN SLUDGE VALVE	351-9	FLOOR DRAINAGE PUMP		



NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

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

PACKAGE E
WASTEWATER TREATMENT PLANT

WIRING & PIPING PLAN
FOR
WASTEWATER TREATMENT PLANT
(7/8)

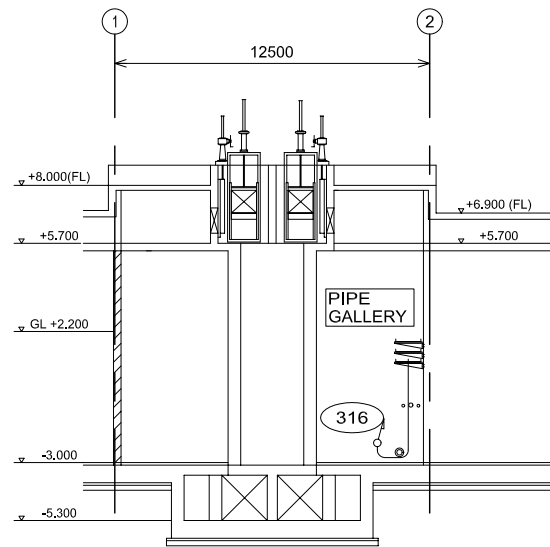
SCALE : 1/200

JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

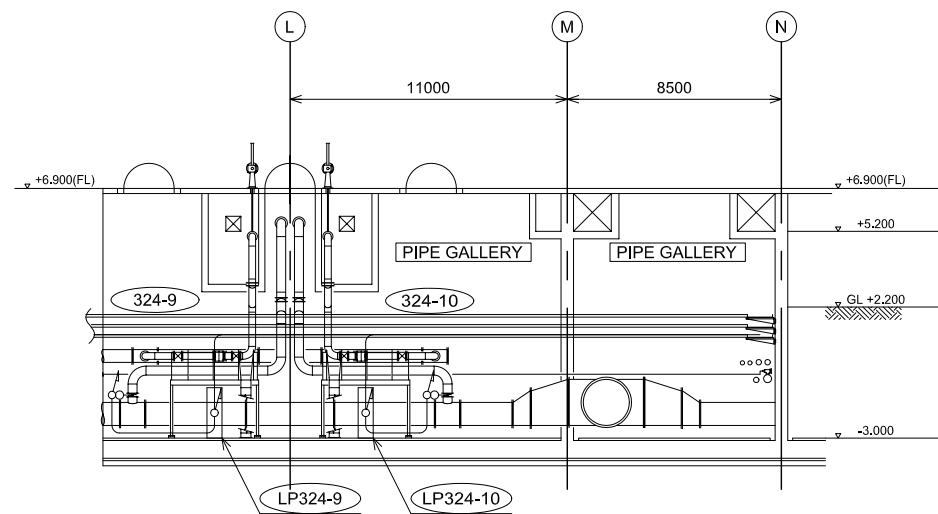
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED
KOMIYA NOBUO
CHECKED
KONDO MASAMI

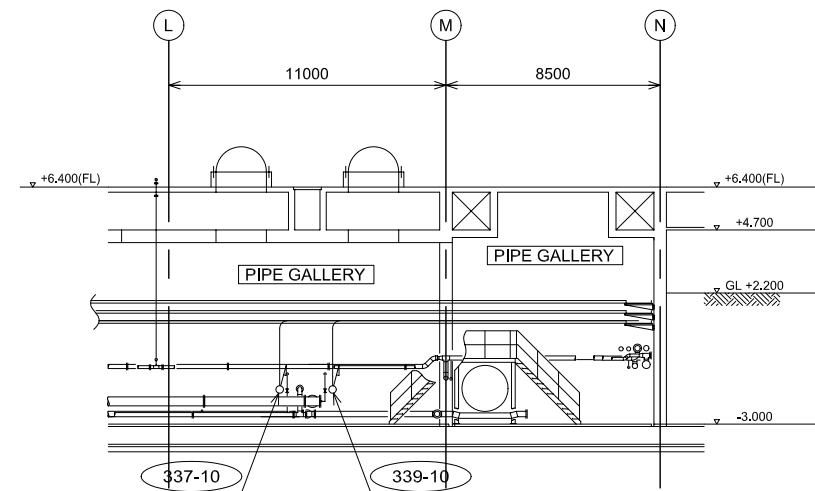
DATE : JUNE 2001 DWG. No. PE - WWTP - 534-07



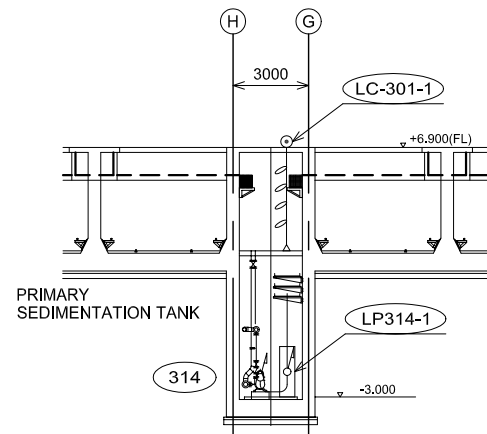
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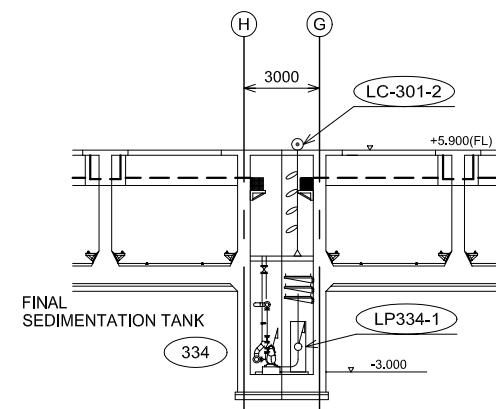
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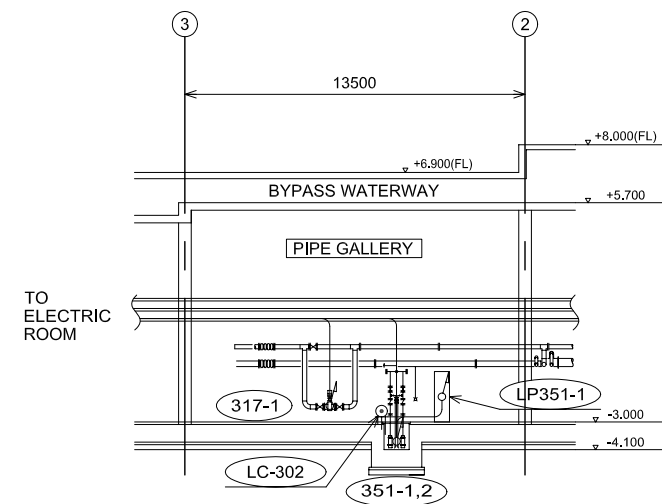
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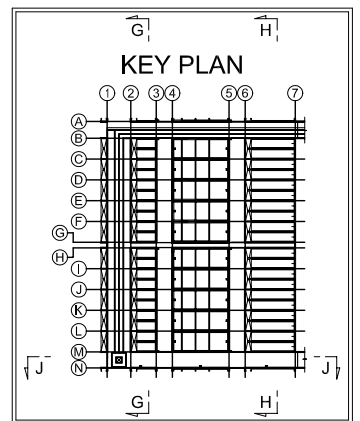
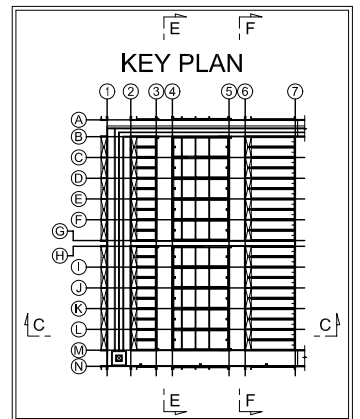
SECTION F-F



SECTION G-G



SECTION H-H



NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS				
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT				
THE DETAILED DESIGN ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM				

PACKAGE E WASTEWATER TREATMENT PLANT				
WIRING & PIPING PLAN FOR WASTEWATER TREATMENT PLANT (8/8)				

SCALE : 1/150	
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JICA	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
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PACIFIC CONSULTANTS INTERNATIONAL	
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DESIGNED KOMIYA NOBUO	CHECKED KONDO MASAMI
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DATE : JUNE 2001	DWG. No. PE - WWTP - 534-08
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MOTOR LIST

MOTOR No.	NAME OF EQUIPMENT	MOTOR No.	NAME OF EQUIPMENT	MOTOR No.	NAME OF EQUIPMENT	MOTOR No.	NAME OF EQUIPMENT
312-1	SLUDGE SCRAPER	316-8	RAW SLUDGE VALVE	332-5	SLUDGE SCRAPER	338-1	EXCESS SLUDGE PUMP
312-2	SLUDGE SCRAPER	316-9	RAW SLUDGE VALVE	332-6	SLUDGE SCRAPER	338-2	EXCESS SLUDGE PUMP
312-3	SLUDGE SCRAPER	316-10	RAW SLUDGE VALVE	332-7	SLUDGE SCRAPER	339-1	EXCESS SLUDGE VALVE
312-4	SLUDGE SCRAPER	317-1	COMMINUTER	332-8	SLUDGE SCRAPER	339-2	EXCESS SLUDGE VALVE
312-5	SLUDGE SCRAPER			332-9	SLUDGE SCRAPER	339-3	EXCESS SLUDGE VALVE
312-6	SLUDGE SCRAPER		AERATION TANK	332-10	SLUDGE SCRAPER	339-4	EXCESS SLUDGE VALVE
312-7	SLUDGE SCRAPER	324-1	AIR FLOW CONTROL VALVE	334-1	SCUM PUMP	339-5	EXCESS SLUDGE VALVE
312-8	SLUDGE SCRAPER	324-2	AIR FLOW CONTROL VALVE	334-2	SCUM PUMP	339-6	EXCESS SLUDGE VALVE
312-9	SLUDGE SCRAPER	324-3	AIR FLOW CONTROL VALVE	335-1	RETURN SLUDGE PUMP (25%)	339-7	EXCESS SLUDGE VALVE
312-10	SLUDGE SCRAPER	324-4	AIR FLOW CONTROL VALVE	335-2	RETURN SLUDGE PUMP (25%)	339-8	EXCESS SLUDGE VALVE
314-1	SCUM PUMP	324-5	AIR FLOW CONTROL VALVE	335-3	RETURN SLUDGE PUMP (25%)	339-9	EXCESS SLUDGE VALVE
314-2	SCUM PUMP	324-6	AIR FLOW CONTROL VALVE	335-4	RETURN SLUDGE PUMP (25%)	339-10	EXCESS SLUDGE VALVE
315-1	RAW SLUDGE PUMP	324-7	AIR FLOW CONTROL VALVE	337-1	RETURN SLUDGE VALVE	340-1	COMMINUTER
315-2	RAW SLUDGE PUMP	324-8	AIR FLOW CONTROL VALVE	337-2	RETURN SLUDGE VALVE	351-1	FLOOR DRAINAGE PUMP
316-1	RAW SLUDGE VALVE	324-9	AIR FLOW CONTROL VALVE	337-3	RETURN SLUDGE VALVE	351-2	FLOOR DRAINAGE PUMP
316-2	RAW SLUDGE VALVE	324-10	AIR FLOW CONTROL VALVE	337-4	RETURN SLUDGE VALVE	351-3	FLOOR DRAINAGE PUMP
316-3	RAW SLUDGE VALVE			337-5	RETURN SLUDGE VALVE	351-4	FLOOR DRAINAGE PUMP
316-4	RAW SLUDGE VALVE		FINAL SEDIMENTATION TANK	337-6	RETURN SLUDGE VALVE	351-5	FLOOR DRAINAGE PUMP
316-5	RAW SLUDGE VALVE	332-1	SLUDGE SCRAPER	337-7	RETURN SLUDGE VALVE	351-6	FLOOR DRAINAGE PUMP
316-6	RAW SLUDGE VALVE	332-2	SLUDGE SCRAPER	337-8	RETURN SLUDGE VALVE	351-7	FLOOR DRAINAGE PUMP
316-7	RAW SLUDGE VALVE	332-3	SLUDGE SCRAPER	337-9	RETURN SLUDGE VALVE	351-8	FLOOR DRAINAGE PUMP
		332-4	SLUDGE SCRAPER	337-10	RETURN SLUDGE VALVE	351-9	FLOOR DRAINAGE PUMP