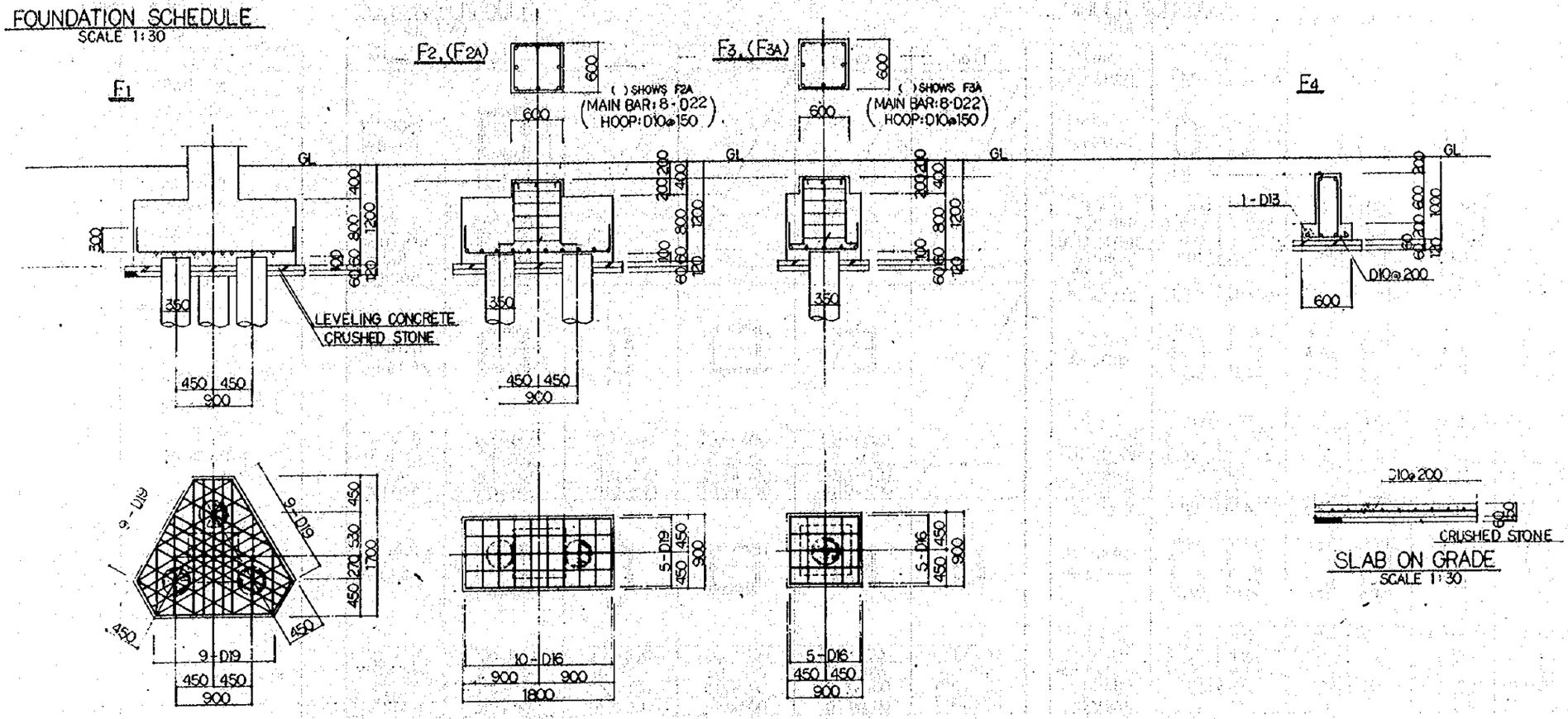
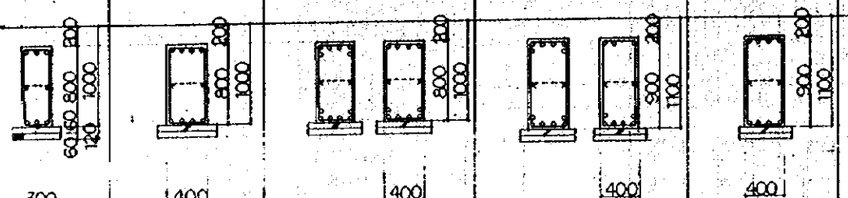
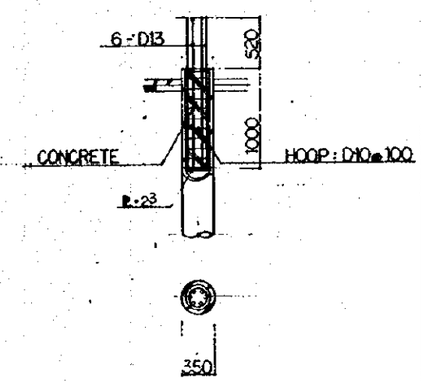
FOUNDATION SCHEDULE
SCALE 1:30



SLAB ON GRADE
SCALE 1:30

GIRDER SCHEDULE
SCALE 1:30 ←→ SHOWS TIE BAR : D10@600

MARK	FG1	FG2	FG3		FG4		FG5
POSITION	ALL	ALL	END	CENTER	END	CENTER	ALL
SECTION							
B x D	300x800	400x800	400x800		400x900		400x900
TOP BAR	3-D25	4-D25	6-D25	4-D25	6-D25	3-D25	4-D25
BOTTOM BAR	3-D25	4-D25	6-D25	6-D25	6-D25	6-D25	4-D25
STIRRUP	D13@200	D13@200	D13@200		D13@200		D13@200
WEB BAR	2-D13	2-D13	2-D13		2-D13		2-D13



PILE HEAD DETAIL

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1999.08					
A	1998.09					

FOUNDATION SCHEDULE

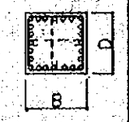
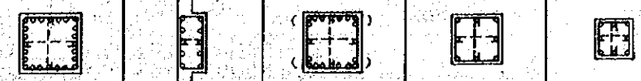
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:30 | DRAWING NO. AS - 001

STEEL MEMBER SCHEDULE

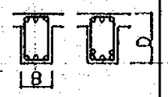
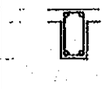
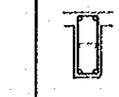
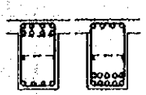
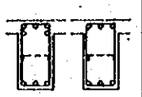
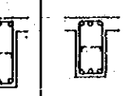
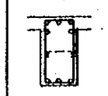
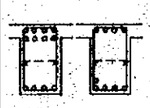
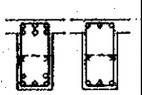
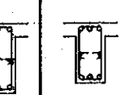
	MARK	SIZE
AIRPORT STATION	C1	ø-355.6x7.9
	C2	ø-457.2x9.5
	G1	ø-355.6x7.9
	G2	ø-355.6x9.5
	G3	ø-355.6x6.4
	G4	ø-457.2x9.5
	G5	ø-267.4x6
	G6	ø-165.2x4
	B1	ø-267.4x6
	B2	ø-165.2x4
	B3	L-75x75x6
	V1	H 250x250x9x14
	P1	ø-355.6x6.4
	P2	ø-267.4x6
	P3	ø-165.2x4
KOTA INTAN STATION	KC1	H-250x250x 9 x14
	KG1	H-300x150x6.5x9
	KG2	H-300x150x6.5x9
	KB1	H-248x124x 5 x8
	KB2	H-175x 90 x 5 x8
	KB3	C-100x 50 x20x2.3
	KB4	H-300x150x6.5x9
	KP1	H-244x175x 7 x11
SIGNAL CABIN	SG1	H-250x125x 6 x9
	SB1	2C-100x 50 x20x2.3

COLUMN SCHEDULE
SCALE 1:30

MARK	C10	C11	KC10	SC10	SC11
3rd STORY SECTION					
B x D	600x600				
MAIN BAR	24-D22				
HOOP	D13@100				
D.HOOP	D10@600				
2nd STORY SECTION					
B x D	600x600	300x600	600x600	500x500	
MAIN BAR	24-D22	10-D19	20-D25	8-D25	
HOOP	D13@100	D10@100	D13@100	D13@100	
D.HOOP	D10@600	D10@600	D10@600	D10@600	
1st STORY SECTION					
B x D	600x600	300x600	600x600	500x500	400x400
MAIN BAR	24-D22	10-D19	20-D25	8-D25	8-D16
HOOP	D13@100	D10@100	D13@100	D13@100	D10@100
D.HOOP	D10@600	D10@600	D10@600	D10@600	D10@600

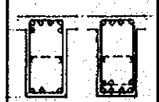
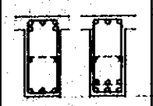
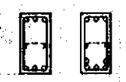
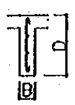
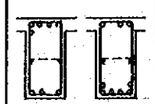
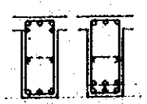
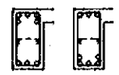
GIRDER SCHEDULE
SCALE 1:30

---- SHOWS TIE BAR D10@600

MARK	G10		G11		G12	CG10
POSITION	END	CENTER	ALL		ALL	
ROOF SECTION						
B x D	300x500		250x500		250x650	
TOP BAR	3-D22	3-D22	2-D22		2-D22	
BOTTOM BAR	3-D22	5-D22	2-D22		2-D22	
STIRRUP	D10@200		D10@200		D10@200	
WEB BAR	—		—		2-D10	
POSITION	END	CENTER	END	CENTER	ALL	ALL
3rd STORY SECTION						
B x D	400x700		350x700		300x600	350x700
TOP BAR	8-D25	4-D25	5-D25	3-D25	3-D25	5-D25
BOTTOM BAR	4-D25	10-D25	3-D25	3-D25	3-D25	3-D25
STIRRUP	D13@100		D13@200		D10@200	D10@200
WEB BAR	2-D13		2-D13		2-D10	2-D10
POSITION	END	CENTER	END	CENTER	ALL	ALL
2nd STORY SECTION						
B x D	400x700		350x700		300x600	350x700
TOP BAR	8-D25	4-D25	6-D25	3-D25	3-D25	5-D25
BOTTOM BAR	4-D25	6-D25	5-D25	3-D25	3-D25	3-D25
STIRRUP	D13@100		D13@200		D10@200	D10@200
WEB BAR	2-D13		2-D13		2-D10	2-D10

GIRDER SCHEDULE
SCALE 1:30

---- SHOWS TIE BAR D10@600

MARK	WG1		KG10		KG11		KG12		SG10		SG11	SG12
POSITION			END	CENTER	END	CENTER	ALL		END	CENTER	ALL	
ROOF SECTION												
B x D			400 x 800		350x800		350x800		300 x600		300 x 600	
TOP BAR			6-D25	4-D25	5-D25	3-D25	4-D25		3-D22	3-D22	3-D19	
BOTTOM BAR			3-D25	7-D25	3-D25	6-D25	4-D25		3-D22	5-D22	3-D19	
STIRRUP			D13@100		D13@100		D10@200		D10@200		D10@200	
WEB BAR			2-D13		2-D13		2-D10		2-D10		2-D10	
POSITION	ALL		END	CENTER	END	CENTER	ALL		END	CENTER	ALL	ALL
2nd STORY SECTION												
B x D	150x600		400 x 800		350 x 800		350x800		300 x 600		300x600	250x500
TOP BAR	1-D13		5-D25	3-D25	5-D25	3-D25	4-D25		5-D22	3-D22	3-D22	2-D19
BOTTOM BAR	1-D13		3-D25	6-D25	3-D25	6-D25	4-D25		3-D22	5-D22	3-D22	2-D19
STIRRUP	D10@200		D13@100		D13@100		D10@200		D10@200		D10@200	D10@200
WEB BAR	2-D10		2-D13		2-D13		2-D10		2-D10		2-D10	—

REPUBLIC OF INDONESIA
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DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. 88				K.M	
A	15 FEB. 88				K.M	

COLUMN AND GIRDER SCHEDULE

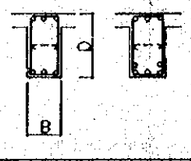
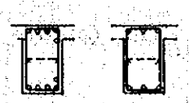
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:30

DRAWING NO. AS - 002

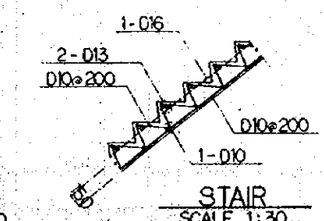
BEAM SCHEDULE

SCALE 1:30 ⟿ SHOWS TIE BAR D10@600

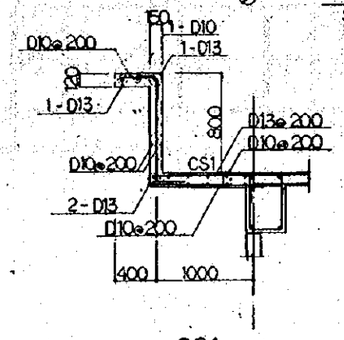
MARK	B10		B11	B12		B13	B14		B15		B16
POSITION	END	CENTER	ALL	END	CENTER	ALL	END	CENTER	END	CENTER	ALL
SECTION											
B x D	350 x 650		300 x 500	300 x 600		200 x 500	400 x 800		400 x 700		400 x 600
TOP BAR	3 - D22	3 - D22	3 - D22	3 - D22	3 - D22	2 - D19	5 - D25	3 - D25	5 - D25	3 - D25	3 - D25
BOTTOM BAR	3 - D22	5 - D22	3 - D22	3 - D22	5 - D22	2 - D19	3 - D25	6 - D25	5 - D25	3 - D25	3 - D25
STIRRUP	D10 @200		D10 @200	D10 @200		D10 @200	D13 @200		D13 @200		D13 @200
WEB BAR	2 - D10		—	2 - D10		2 - D10	2 - D13		2 - D13		2 - D13

SLAB SCHEDULE

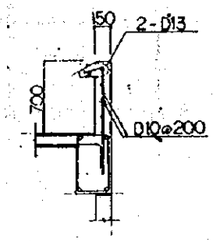
MARK	THICKNESS	POSITION	SHORT SPAN END	SHORT SPAN CENTER	LONG SPAN END	LONG SPAN CENTER	NOTE
S1	130	TOP	D10 D13 @ 200	D10 D13 @ 200	D10 D13 @ 200	D10 D13 @ 200	
		BOTTOM	D10 D13 @ 200	D10 D13 @ 200	D10 D13 @ 200	D10 D13 @ 200	
S2	130	TOP	D10 D13 @ 200	D10 D13 @ 200	D10 @ 200	D10 @ 200	
		BOTTOM	D10 D13 @ 200	D10 D13 @ 200	D10 @ 200	D10 @ 200	
S3	150	TOP	D13 @ 200		D13 @ 200		
		BOTTOM	D13 @ 200		D13 @ 200		
CS1	150 ~ 130	TOP	D13 @ 200		D10 @ 200		
		BOTTOM	D10 @ 200		D10 @ 200		
CS2	200 ~ 130	TOP	D13 @ 200		D10 @ 200		
		BOTTOM	D10 @ 200		D10 @ 200		



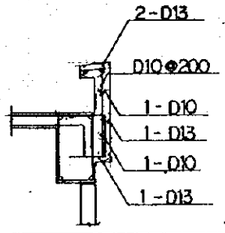
STAIR
SCALE 1:30



CS1
SCALE 1:30



ROOF PARAPET
SCALE 1:30



WALL SCHEDULE

SCALE 1:30

MARK	W15	W18
SECTION		
	150	180
THICKNESS	150	180
VERTI. BAR	D10@200	D10 D13@200
HORI. BAR	D10@200	D10@200
TIE BAR	—	D10@1000

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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

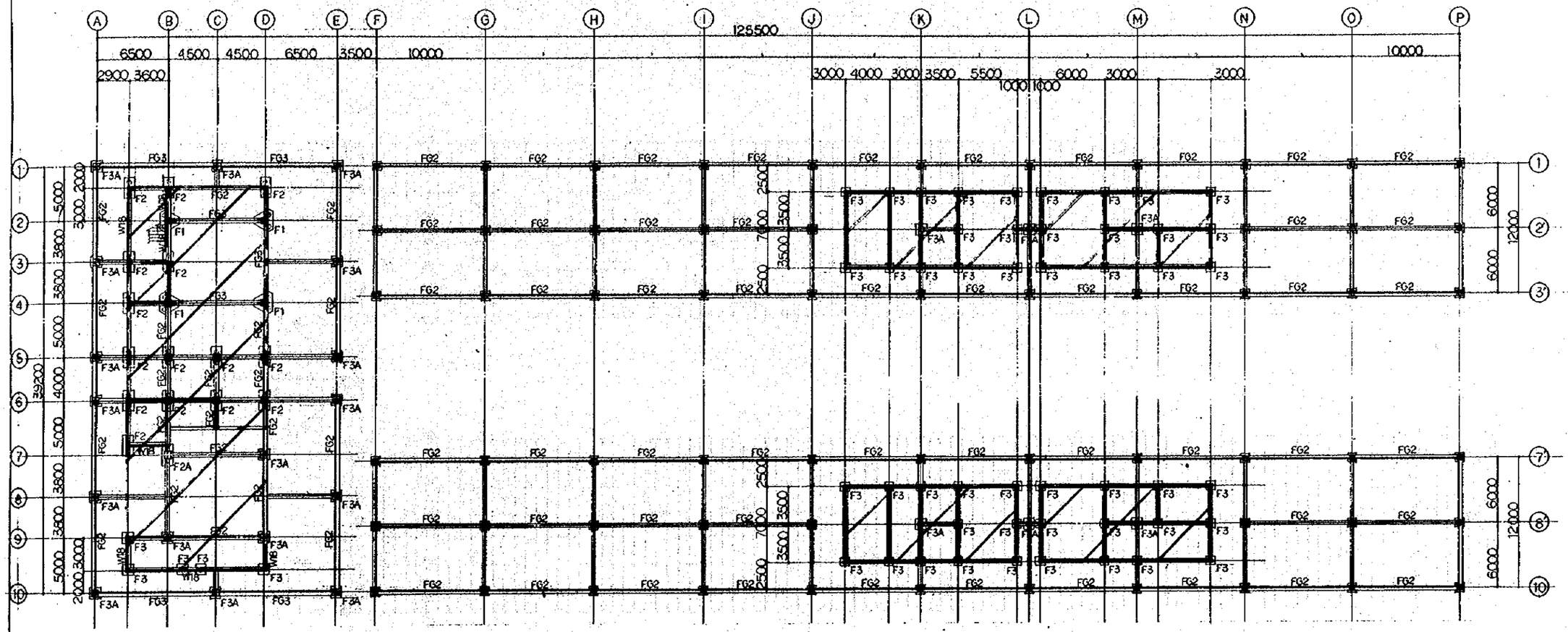
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. 89				KM	
A	15 FEB. 89				KM	

BEAM, SLAB AND WALL SCHEDULE

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:30

DRAWING NO. AS - 003



FOUNDATION PLAN

SCALE 1:200

UNLESS OTHERWISE NOTED

1. GIRDER MARK : FG1
2. WALL MARK : W15
3. FOOTING MARK : F3A
4. ▨ : SHOWS SLAB ON GRADE

REPUBLIC OF INDONESIA
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NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

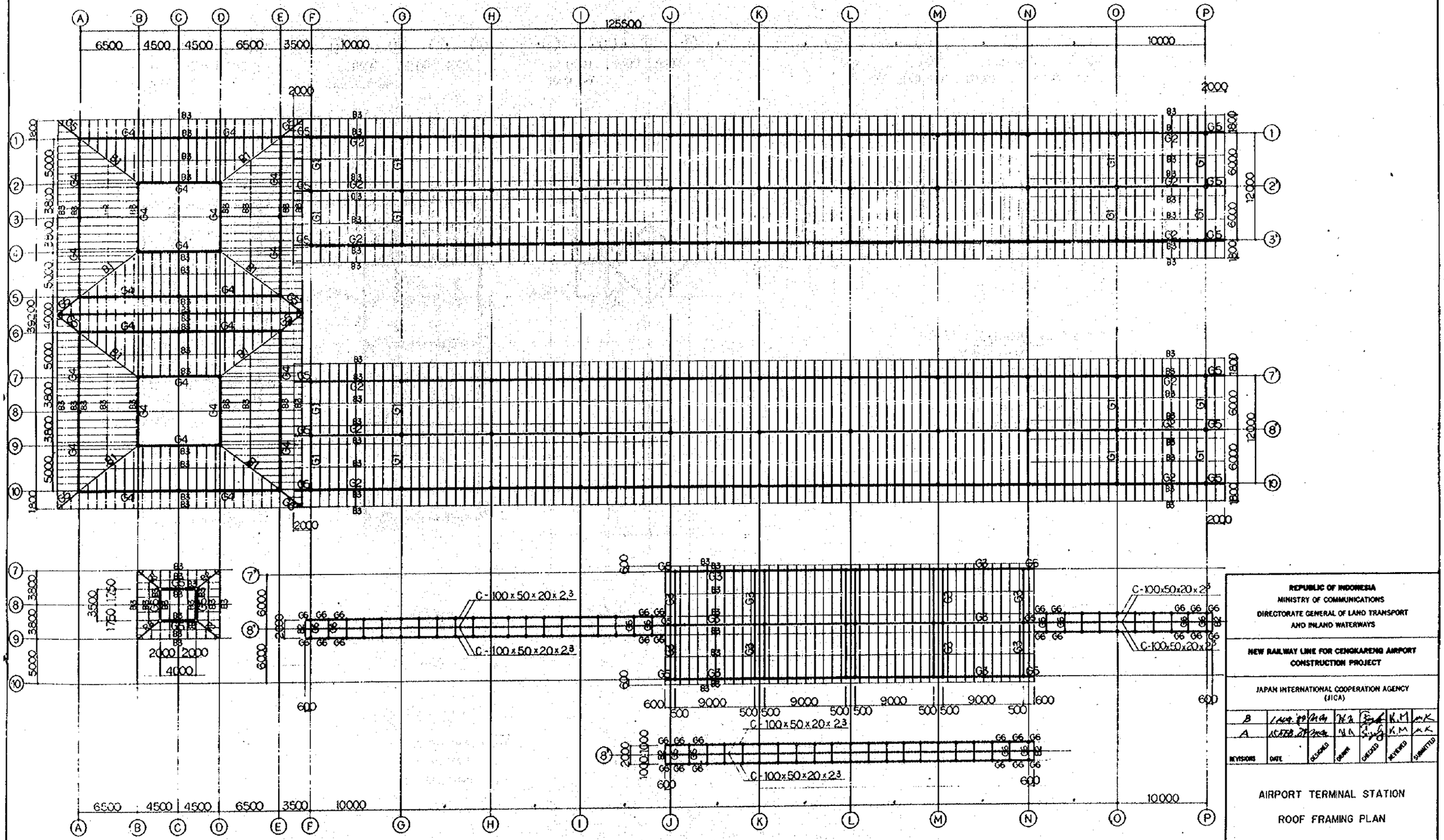
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. 88				K.M	
A	15 FEB. 88				K.M	

AIRPORT TERMINAL STATION

FOUNDATION PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:200 – DRAWING NO. AS - 004



ROOF FRAMING PLAN
SCALE 1:200

UNLESS OTHERWISE NOTED
1. PURLIN : ø-165.2 x 4 (B2)
2. ROOF DECKING : V50 TYPE I - 1.6

REPUBLIC OF INDONESIA
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DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	[illegible]	[illegible]	[illegible]	[illegible]	K.M	[illegible]
A	[illegible]	[illegible]	[illegible]	[illegible]	K.M	[illegible]

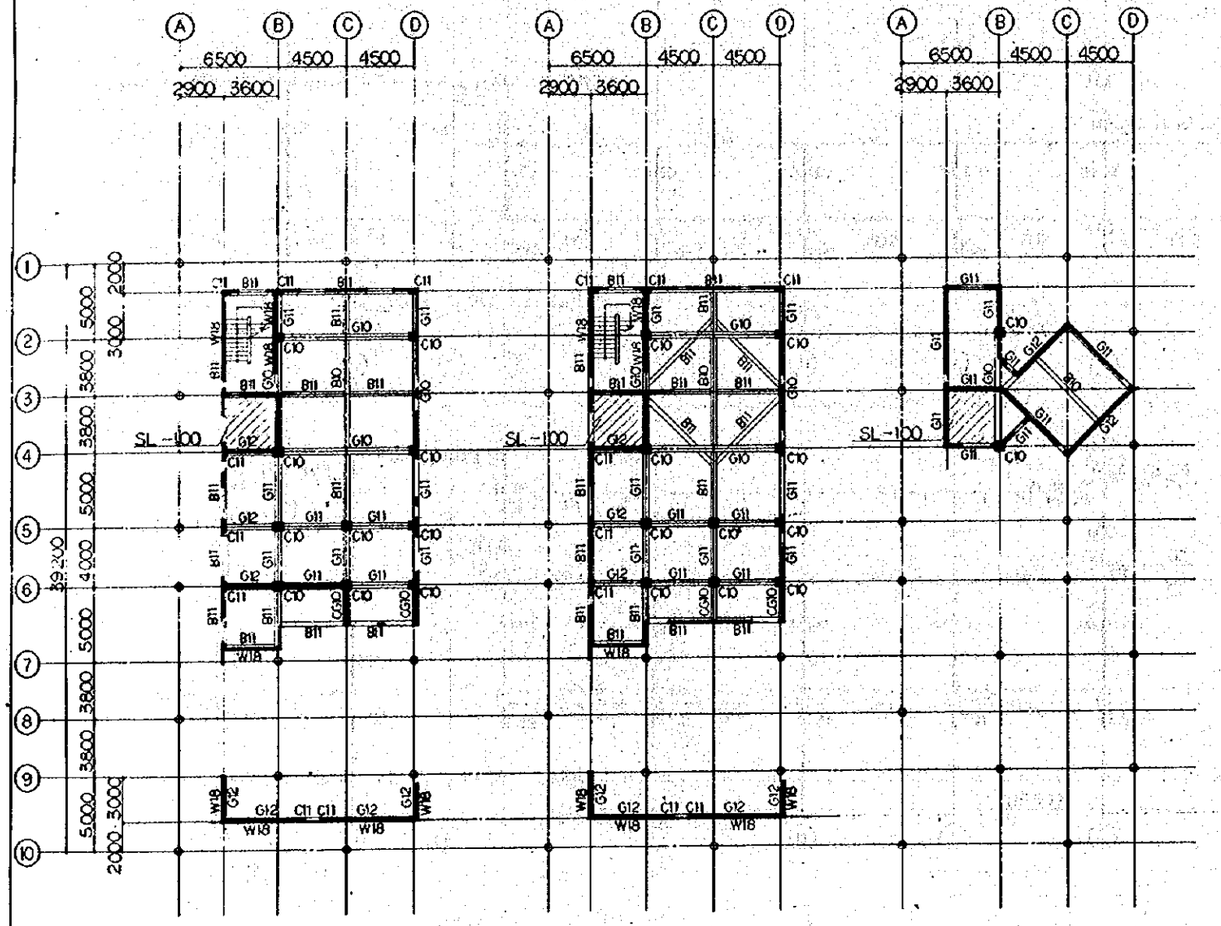
AIRPORT TERMINAL STATION

ROOF FRAMING PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:200

DRAWING NO. AS - 005



2nd FLOOR

3rd FLOOR

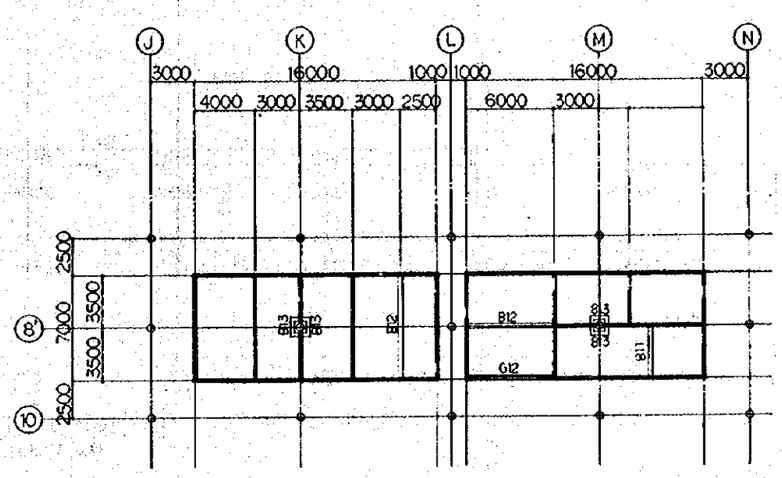
ROOF

FRAMING PLAN

SCALE 1:200

UNLESS OTHERWISE NOTED

1. SLAB MARK : S1
2. WALL MARK : W15



ROOF FRAMING PLAN

SCALE 1:200

UNLESS OTHERWISE NOTED

1. SLAB MARK : S1
2. GIRDER MARK : WG1
3. WALL MARK : W15

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 80				K.M	A.K
A	15 FEB 80				K.M	A.K

AIRPORT TERMINAL STATION

FRAMING PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:200

DRAWING NO: AS - 006

LINE (1)(10)

LINE (1)(10)(3)(7)
SCALE 1:200

LINE (9)

LINE (2)(8)
SCALE 1:200

LINE (5)
SCALE 1:200

LINE (4)
SCALE 1:200

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

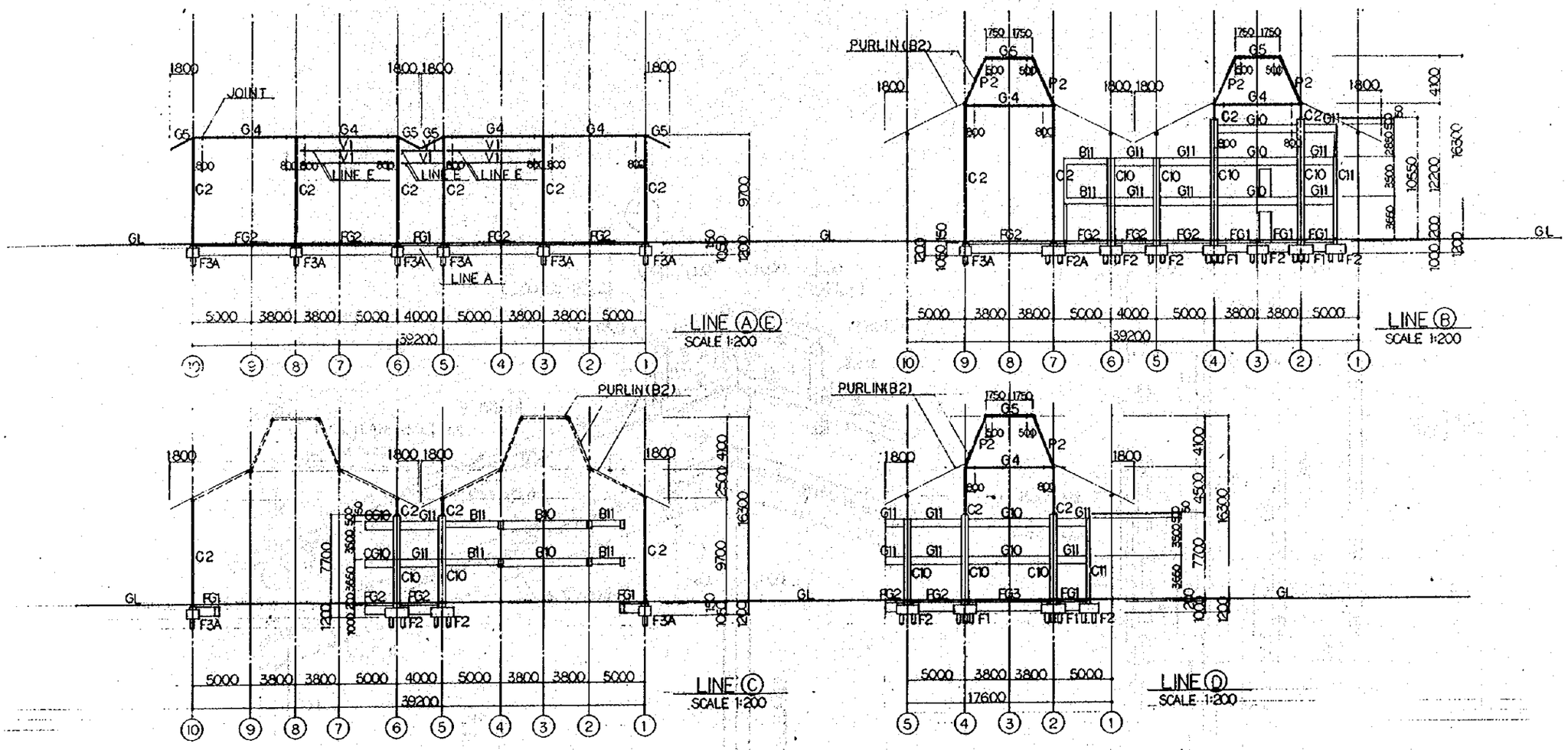
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. 89				K.M.	
A	15 FEB. 89				K.M.	

AIRPORT TERMINAL STATION
FRAMING ELEVATION
(SHEET 1 OF 2)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:200

DRAWING NO. AS - 007



REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

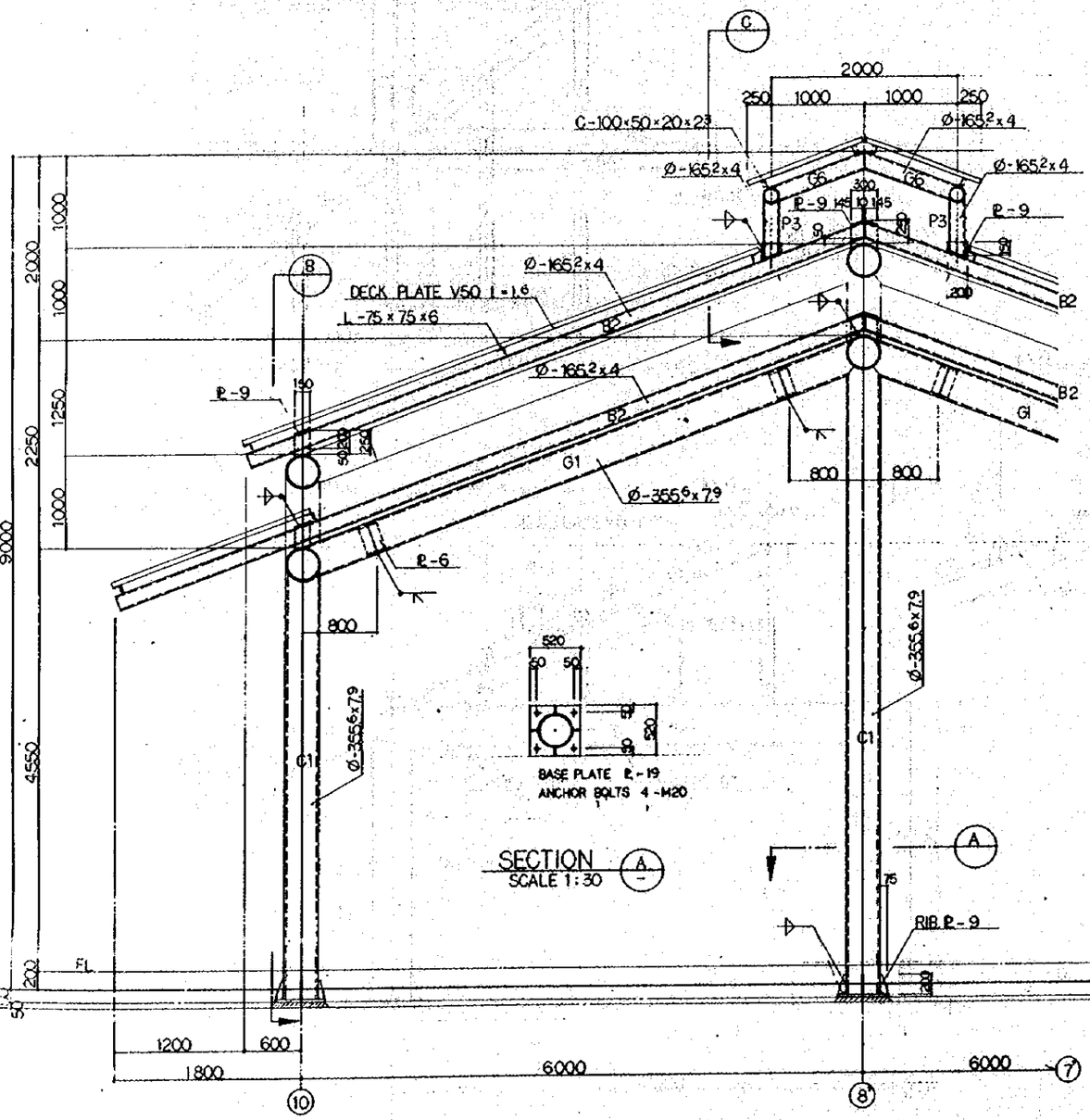
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	14 Feb. 89				K.M	K
A	15 FEB. 89				K.M	K

AIRPORT TERMINAL STATION
FRAMING ELEVATION
(SHEET 2 OF 2)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:200

DRAWING NO: AS - 008



REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

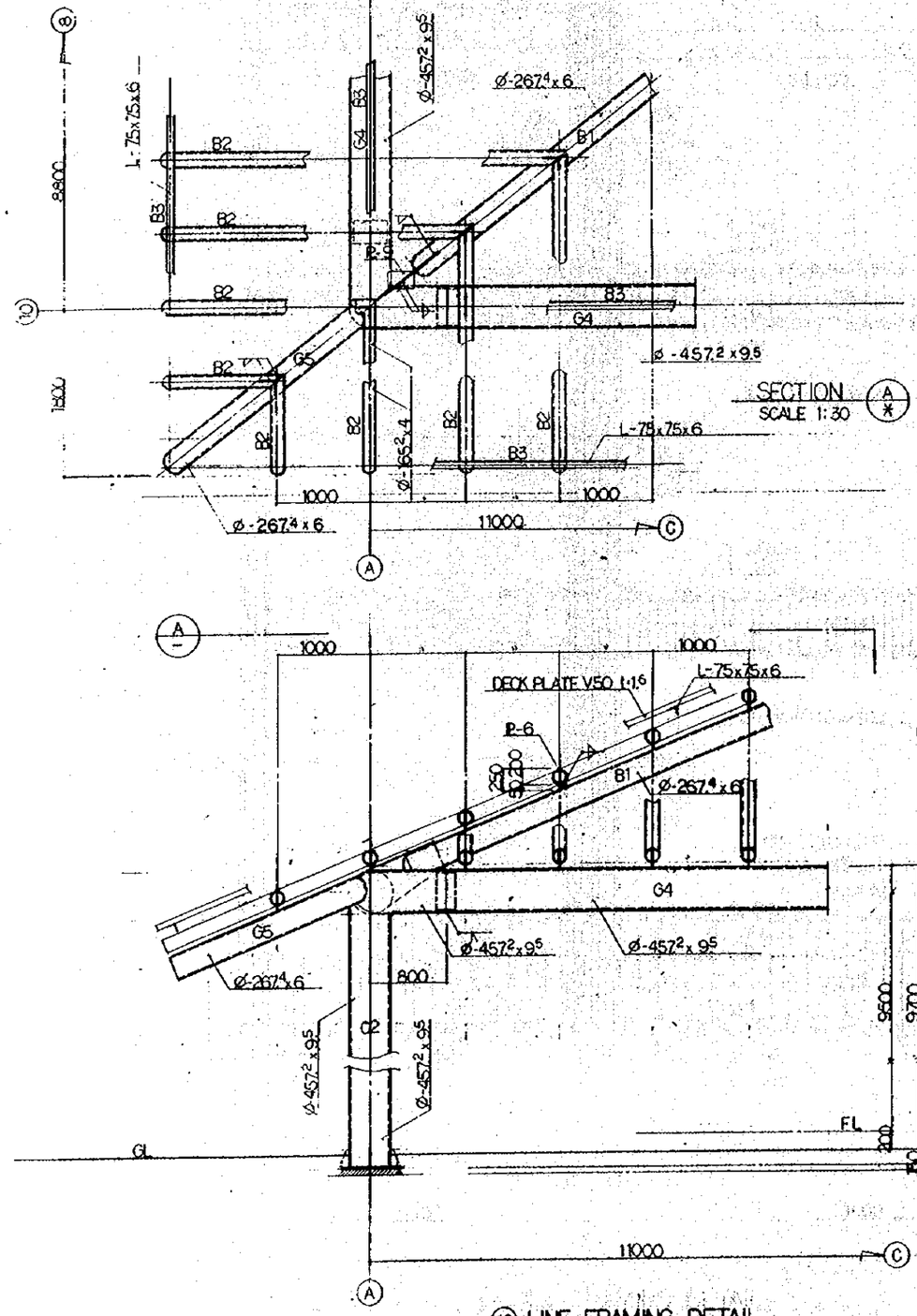
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	[illegible]	[illegible]	[illegible]	[illegible]	K.M	[illegible]
A	[illegible]	[illegible]	[illegible]	[illegible]	K.M	[illegible]

AIRPORT TERMINAL STATION
FRAMING DETAIL
(SHEET 1 OF 4)

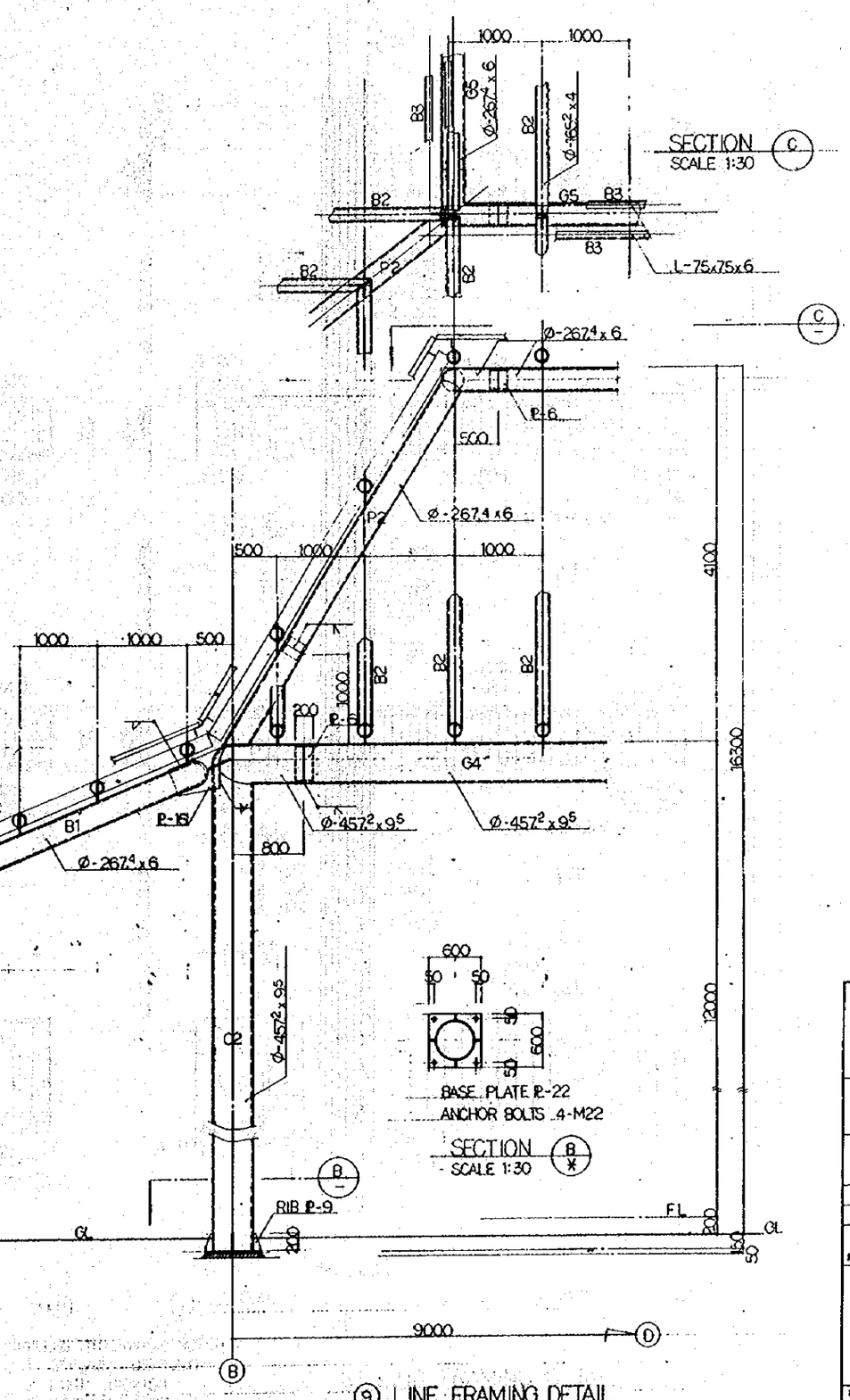
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:30

DRAWING NO: AS - 009



⑩ LINE FRAMING DETAIL
SCALE 1:30



⑨ LINE FRAMING DETAIL
SCALE 1:30

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

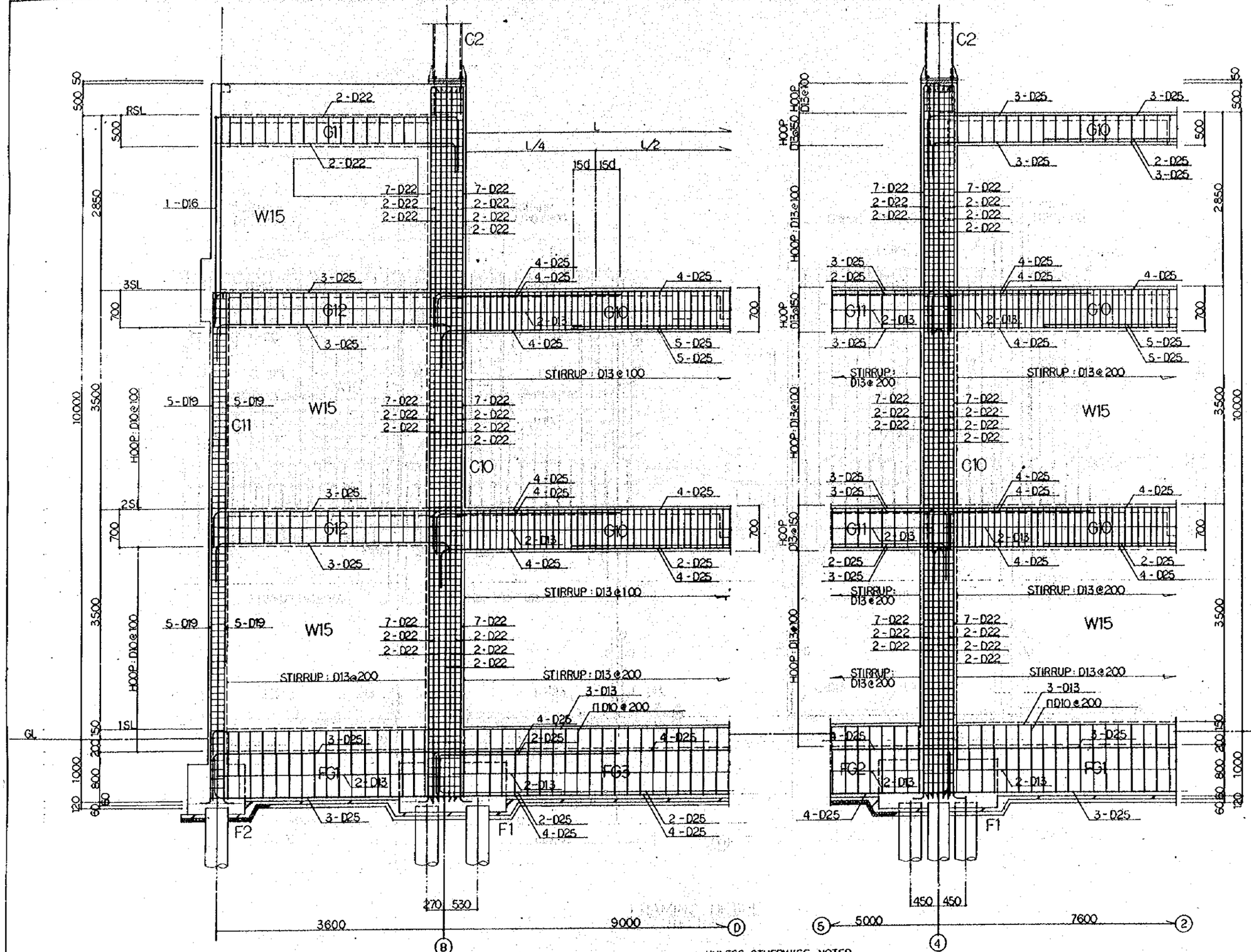
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	18.09.99					
A	15.08.99					

AIRPORT TERMINAL STATION
FRAMING DETAIL
(SHEET 2 OF 4)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:30

DRAWING NO: AS - 010



④ LINE FRAMING DETAIL
SCALE 1:30

UNLESS OTHERWISE NOTED
1. STIRRUP : D10 @ 200
2. HOOP : D10@150
3. WEB BAR : 2-D10

Ⓑ LINE FRAMING DETAIL
SCALE 1:30

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

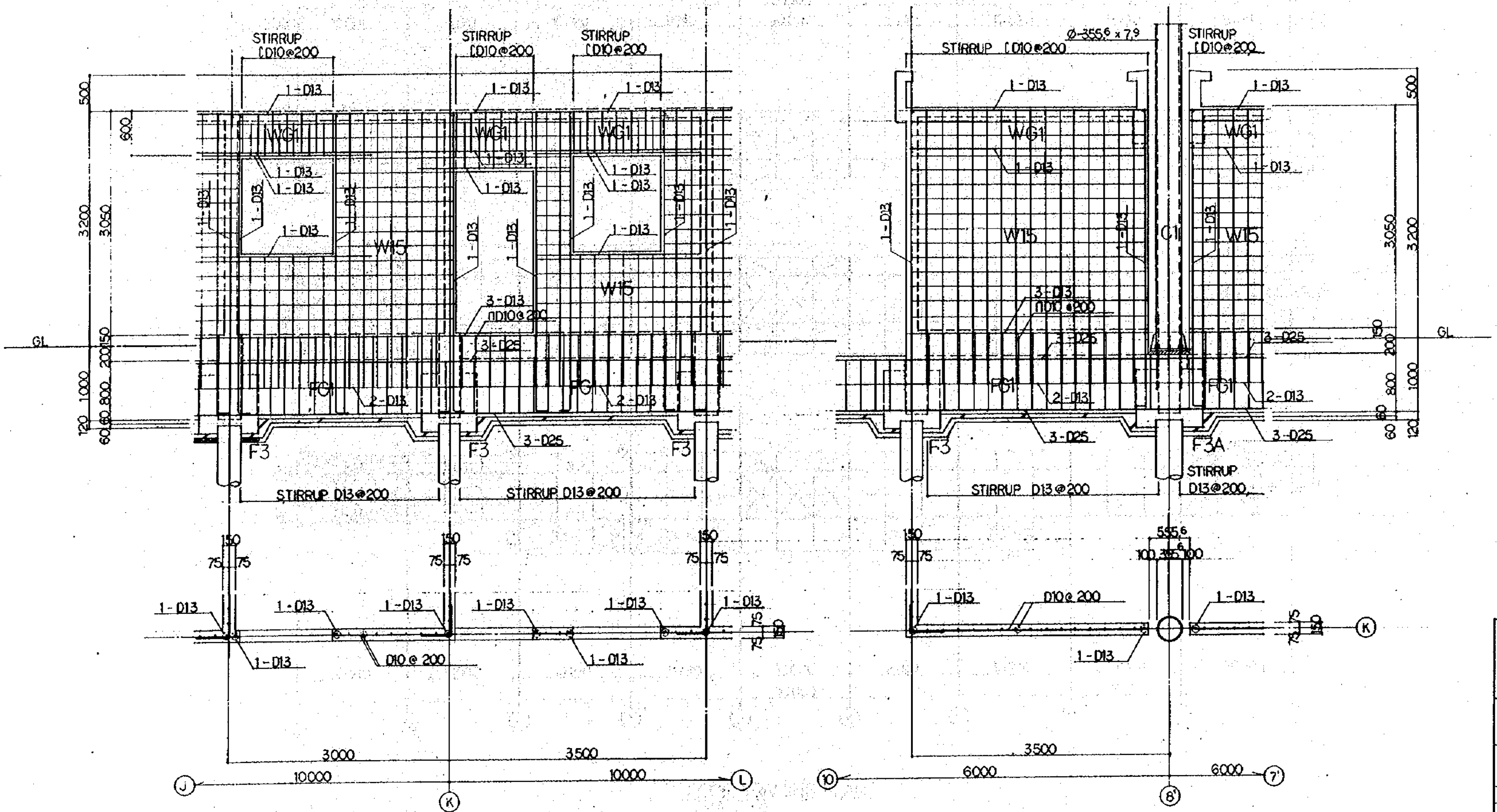
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. '89				K.M	
A	15 FEB. '89				K.M	

AIRPORT TERMINAL STATION
FRAMING DETAIL
(SHEET 3 OF 4)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:30

DRAWING NO: AS - 011



FRAMING DETAIL
SCALE 1:30

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

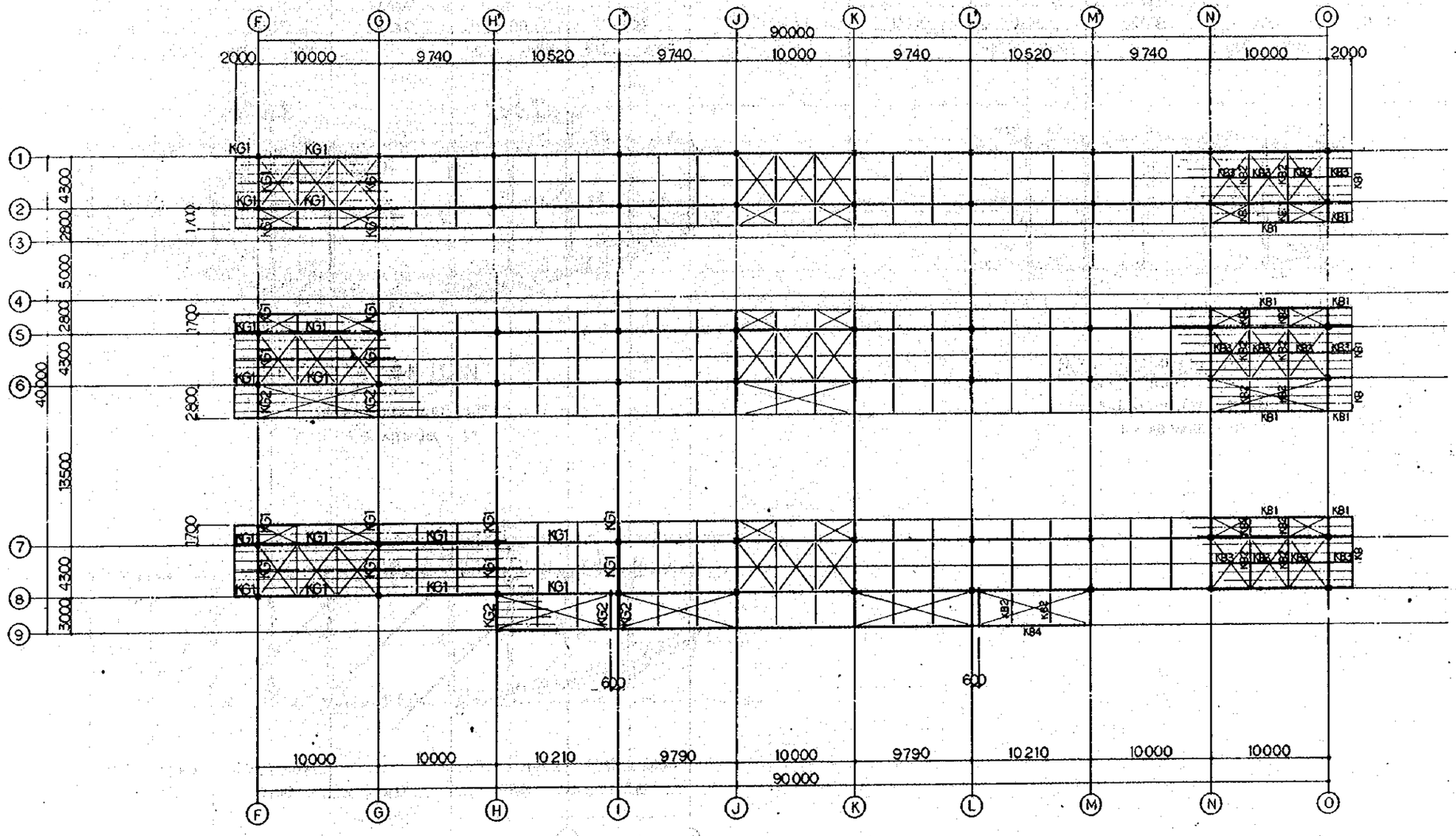
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG '89	[illegible]	[illegible]	[illegible]	K.M	M.K
A	15 FEB '89	[illegible]	[illegible]	[illegible]	K.M	M.K

AIRPORT TERMINAL STATION
FRAMING DETAIL
(SHEET 4 OF 4)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:30

DRAWING NO: AS - 012



ROOF FRAMING PLAN

SCALE 1:200

UNLESS OTHERWISE NOTED
1. BRACE : 1-16 ø
2. PURLIN: C-100×50×20×2.3 @ 750

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MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
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NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	10.9.89				K.M	
A	6 FEB. 89				K.M	

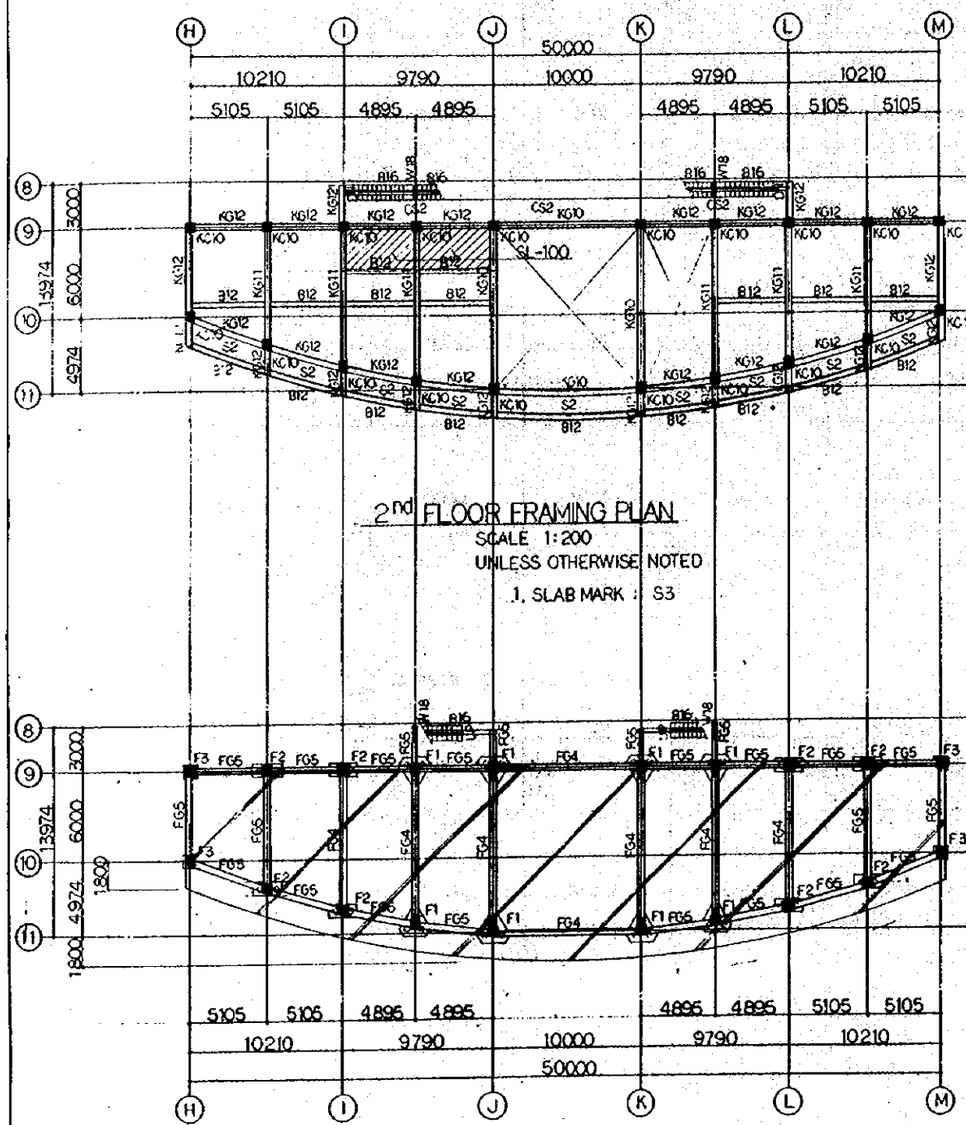
KOTA INTAN STATION

ROOF FRAMING PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:200

DRAWING NO. AS - 013

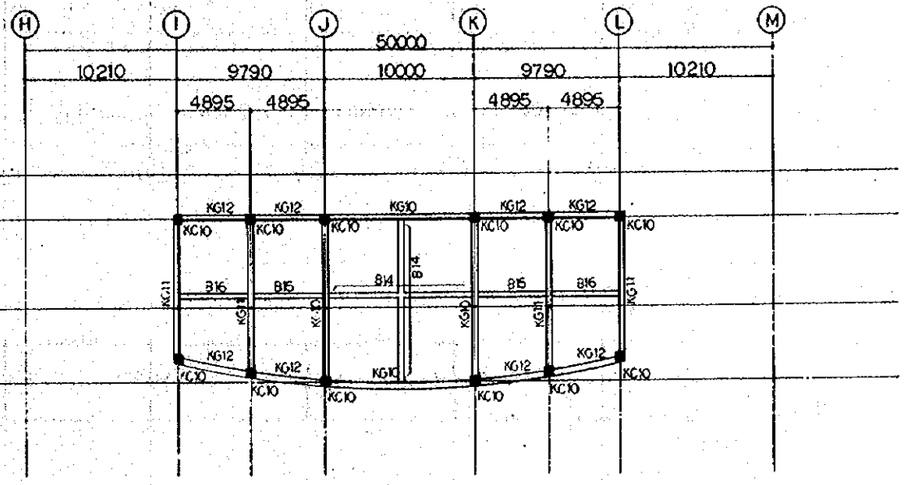


2nd FLOOR FRAMING PLAN

SCALE 1:200

UNLESS OTHERWISE NOTED

1. SLAB MARK : S3



ROOF FRAMING PLAN

SCALE 1:200

UNLESS OTHERWISE NOTED

1. SLAB MARK : S3

FOUNDATION PLAN

SCALE 1:200

NOTE ▨ SHOWS SLAB ON GRADE .

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MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1.AUG.'87				K.M	
A	15.FEB.'87				K.M	

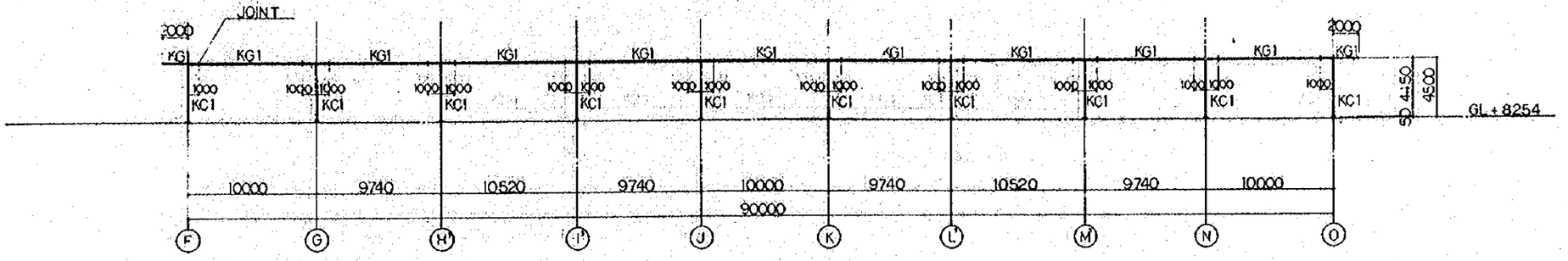
KOTA INTAN STATION

FRAMING PLAN

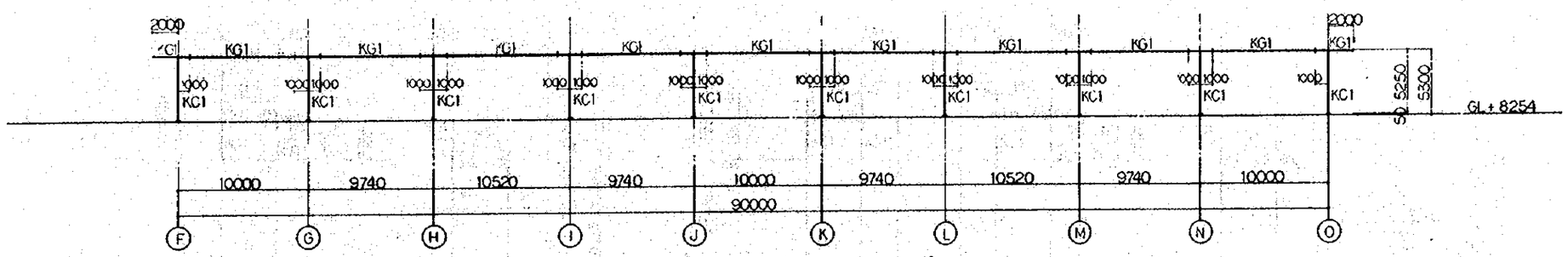
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:200

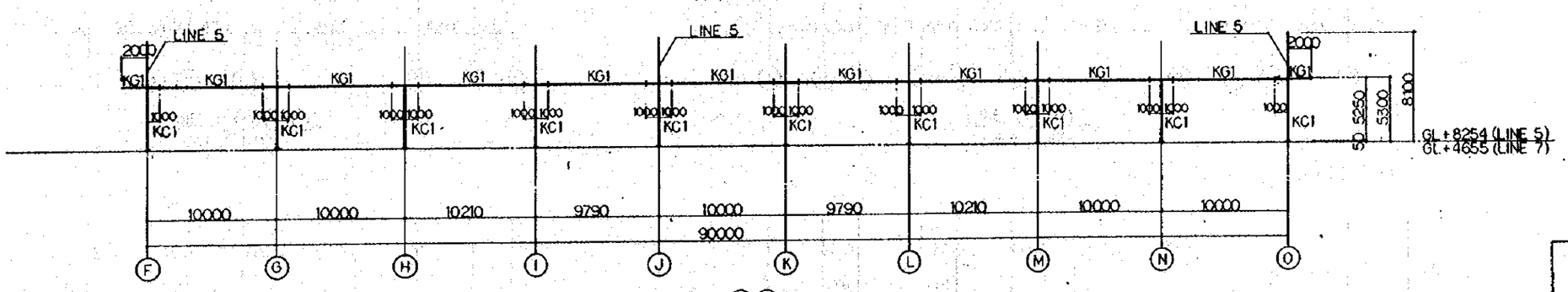
DRAWING NO. AS - 014



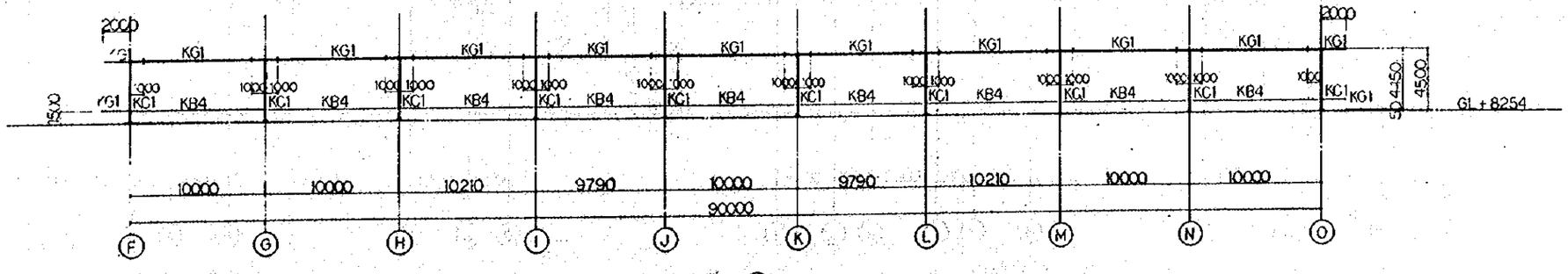
LINE ①
SCALE 1:200



LINE ②
SCALE 1:200



LINE ⑤⑦
SCALE 1:200



LINE ⑥
SCALE 1:200

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

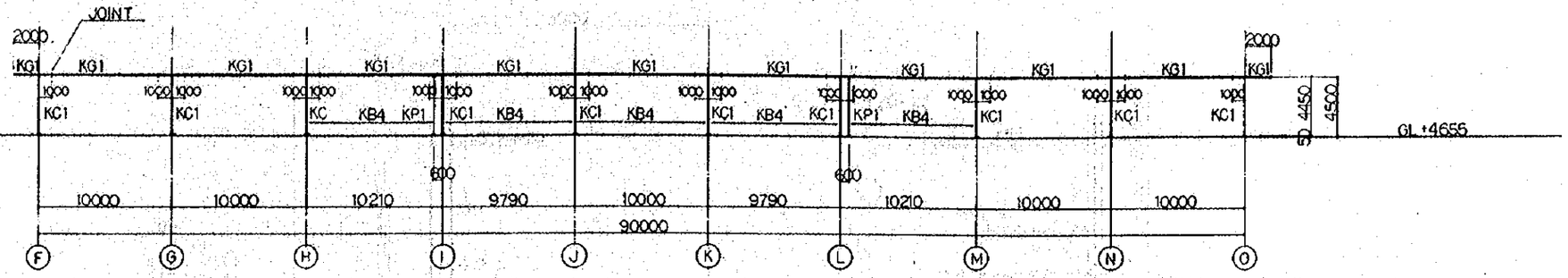
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1.AUG.'89					
A	15 FEB. '89					

KOTA INTAN STATION
FRAMING ELEVATION
(SHEET 1 OF 2)

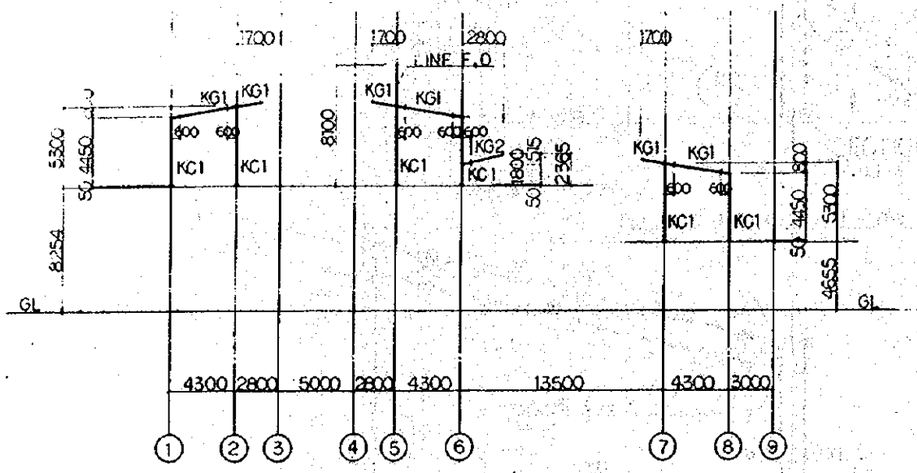
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:200

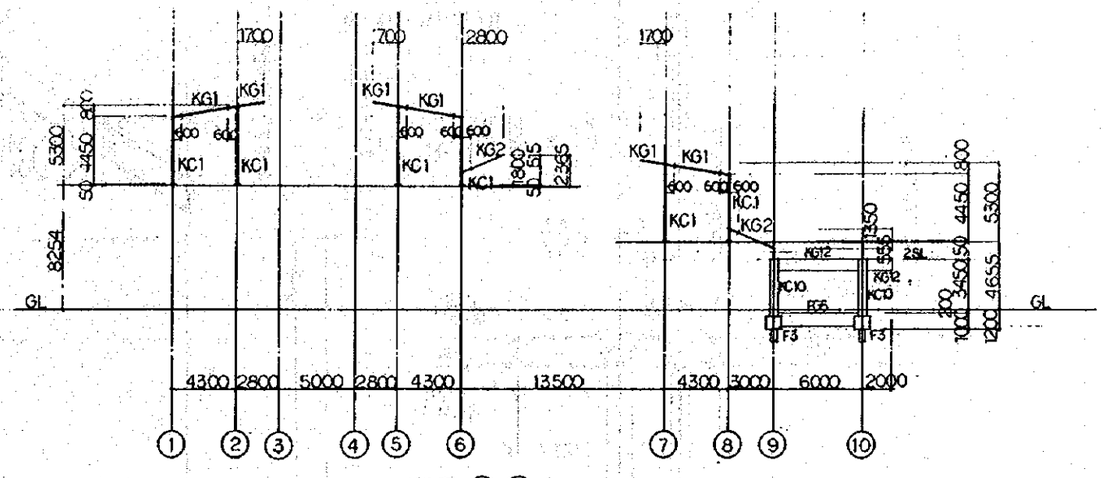
DRAWING NO: AS - 015.



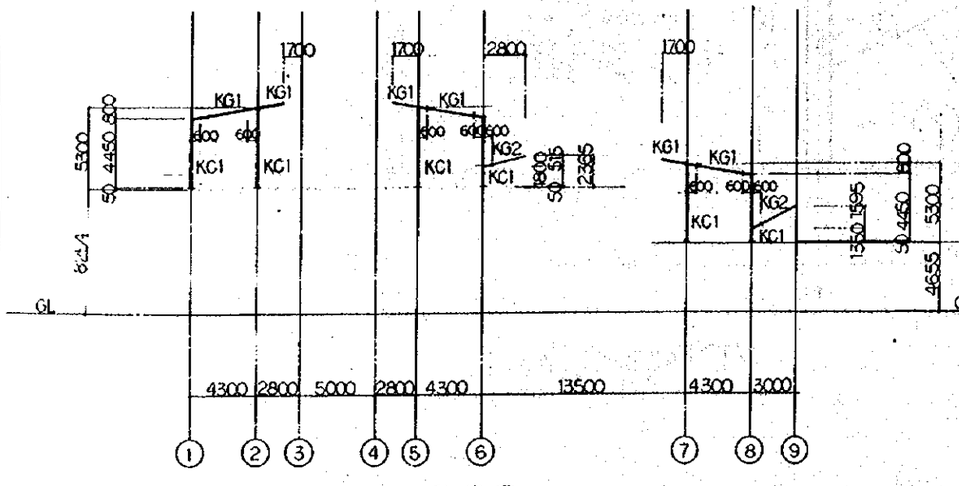
LINE (8)
SCALE 1:200



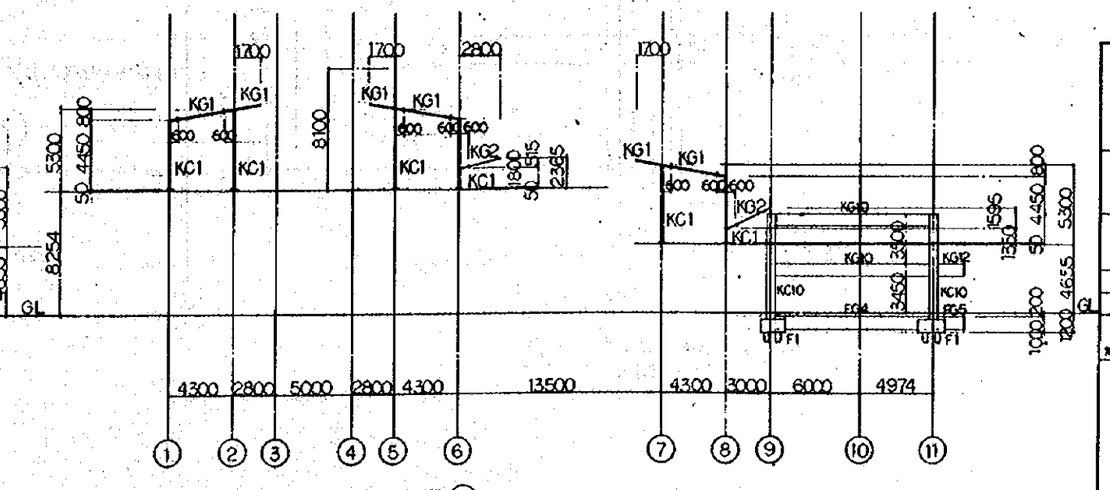
LINE (F)(G)(N)(O)
SCALE 1:200



LINE (H)(M)
SCALE 1:200



LINE (I)(K)(L)
SCALE 1:200



LINE (J)
SCALE 1:200

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

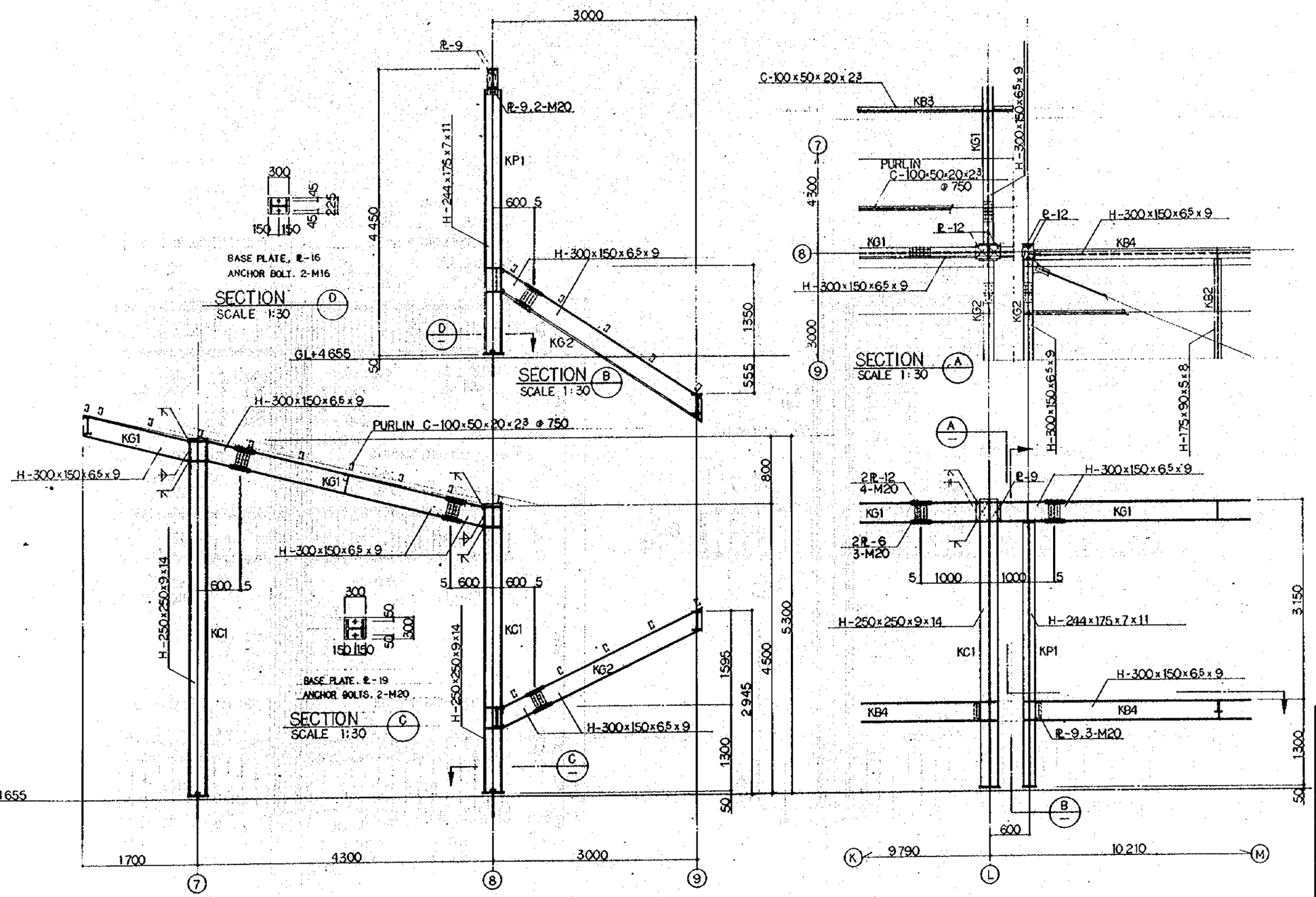
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	RETRACED	SUBMITTED
B	AUG. 89				K.M	
A	FEB. 89				K.M	

KOTA INTAN STATION
FRAMING ELEVATION
(SHEET 2 OF 2)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:200

DRAWING NO: AS - 016



REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

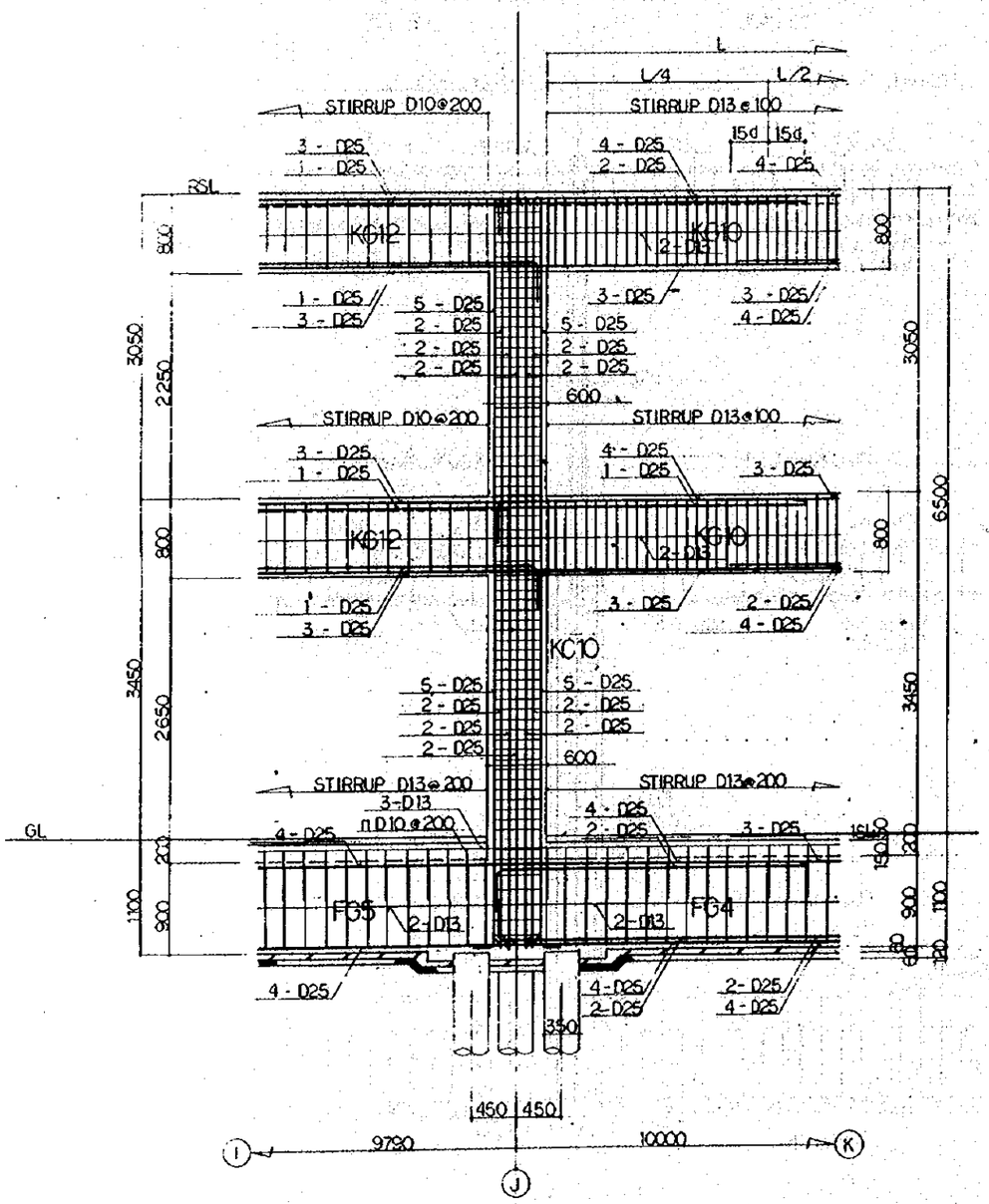
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	10.09.29				K.M	
A	10.FEB.25				K.M	

KOTA INTAN STATION
FRAMING DETAIL
(SHEET 1 OF 2)

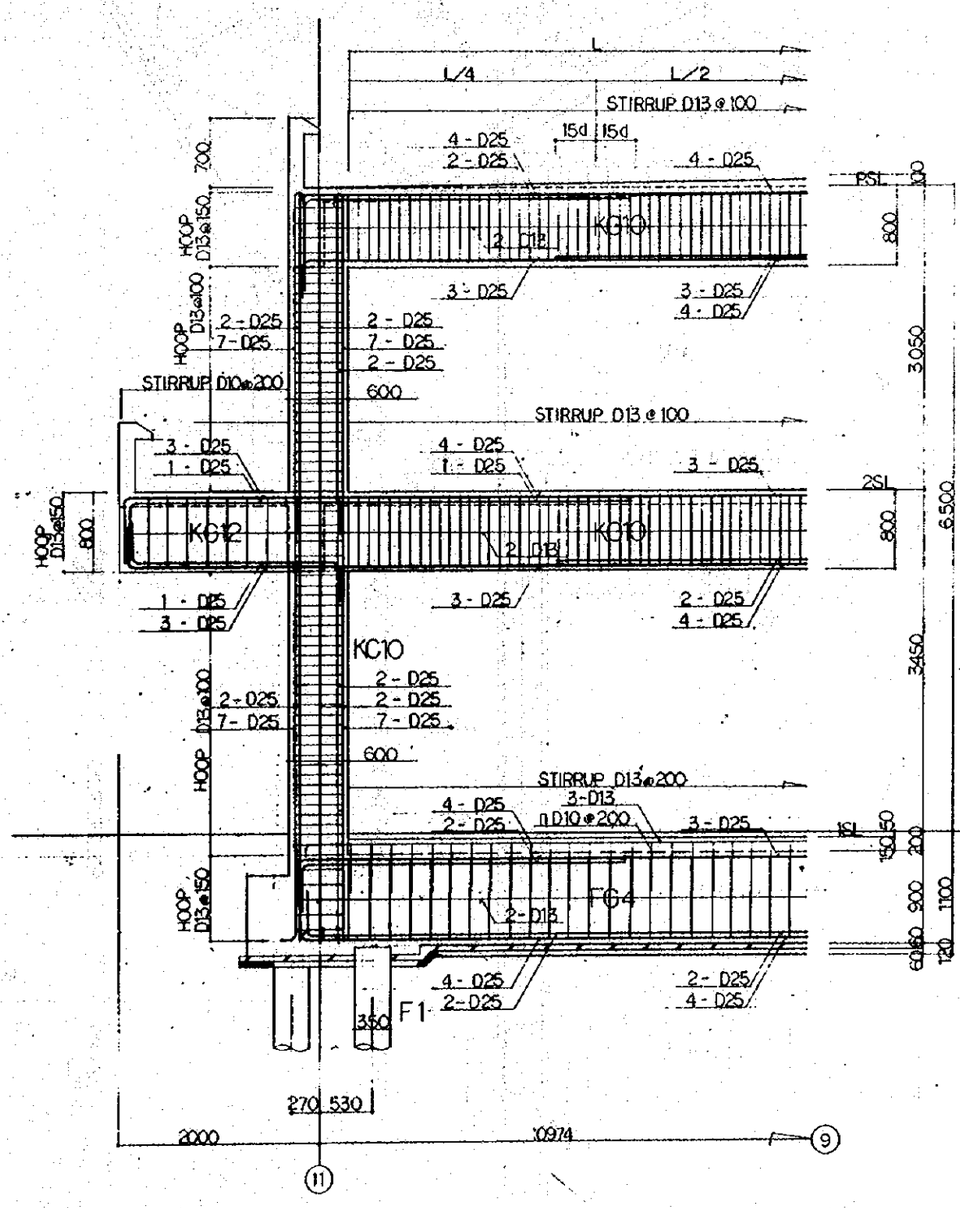
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:30

DRAWING NO: AS - 017



(11) LINE FRAMING DETAIL
SCALE 1:30



(J) LINE FRAMING DETAIL
SCALE 1:30

UNLESS OTHERWISE NOTED
WEB BAR : 2-D10

REPUBLIC OF INDONESIA
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DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

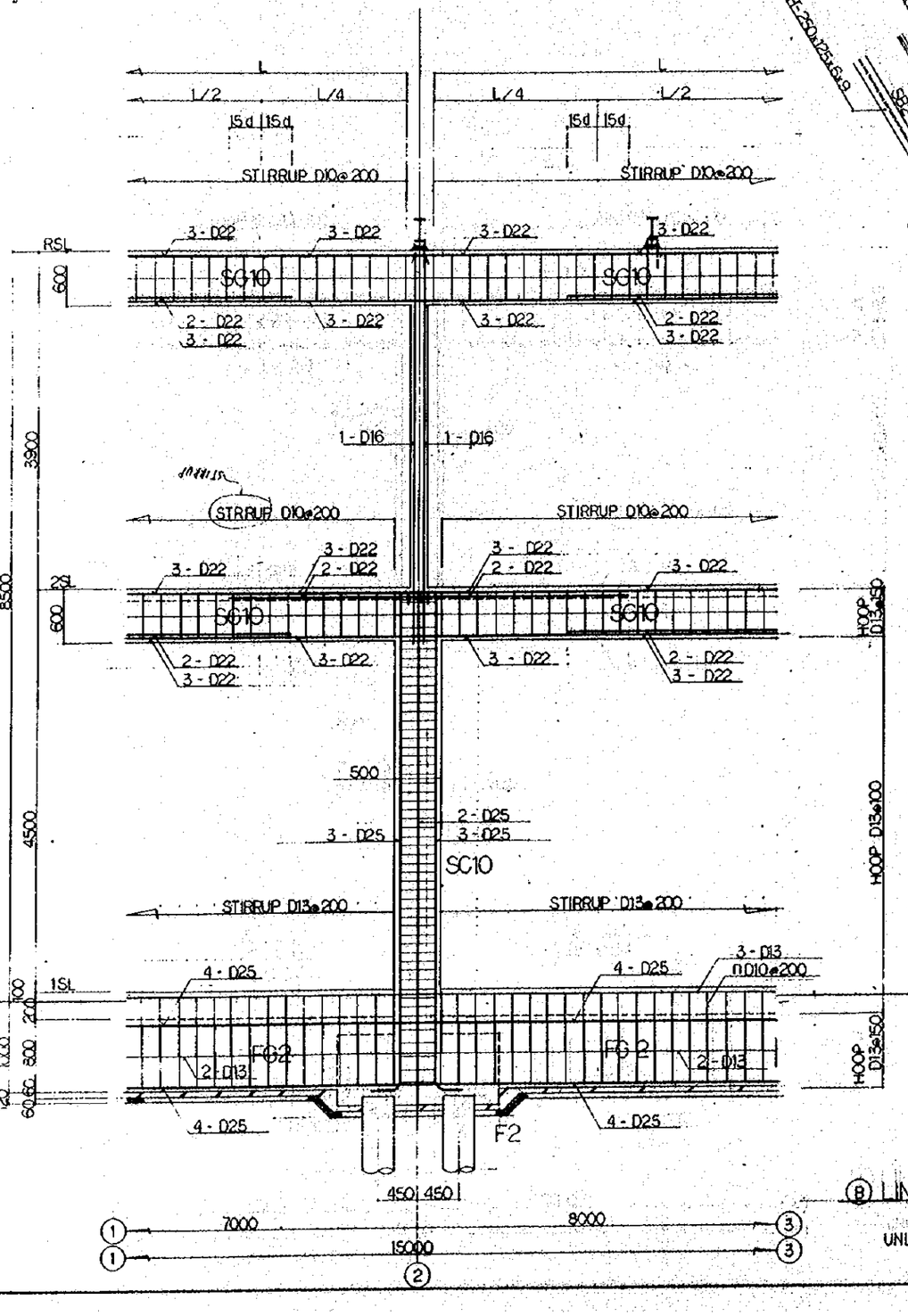
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	ING. 89				K.M	A.K
A	6 FEB. 89				K.M	A.K

KOTA INTAN STATION
FRAMING DETAIL
(SHEET 2 OF 2)

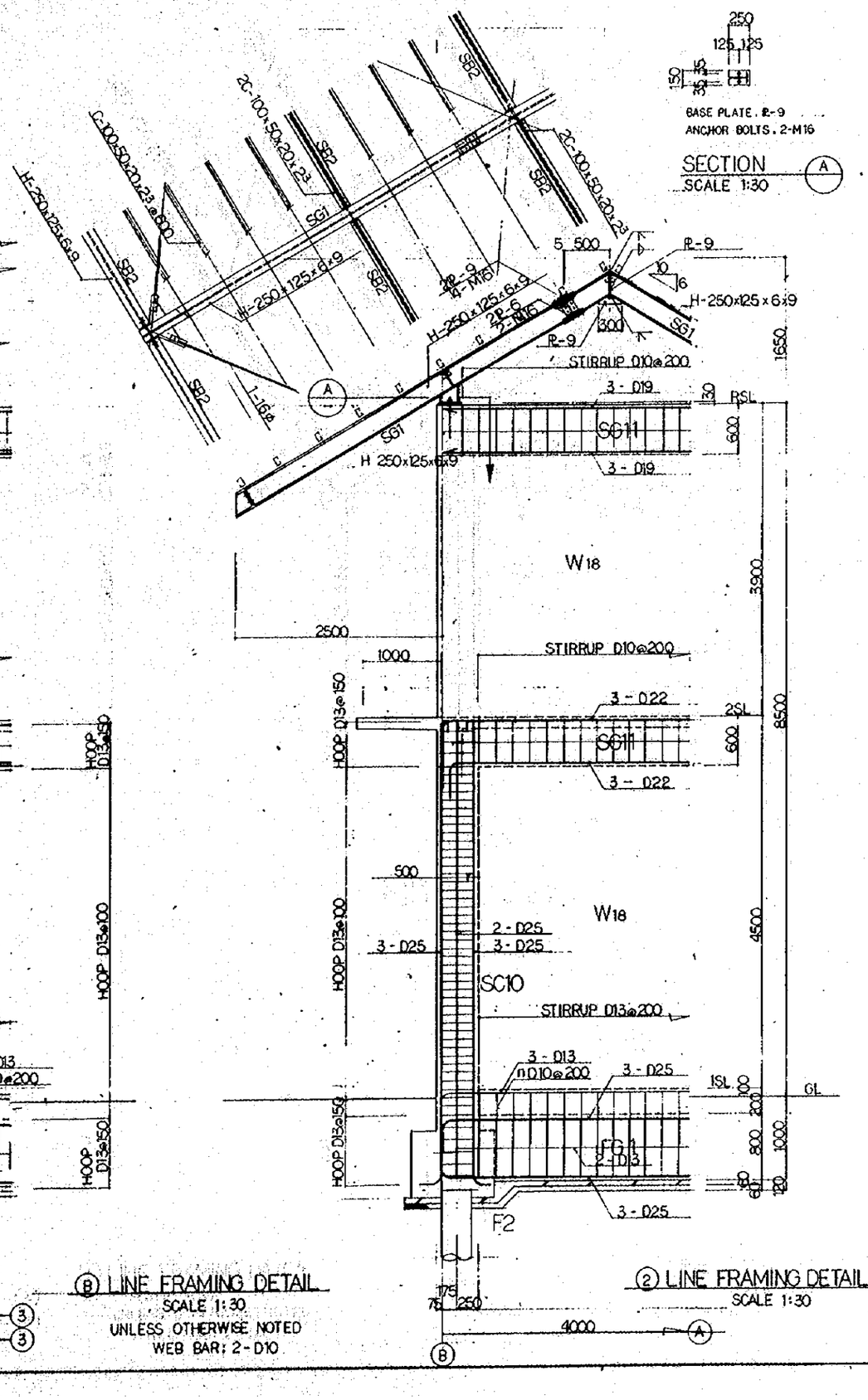
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:30

DRAWING NO. AS - 018



B LINE FRAMING DETAIL
SCALE 1:30
UNLESS OTHERWISE NOTED
WEB BAR; 2 - D10



2 LINE FRAMING DETAIL
SCALE 1:30

250
125 125
150
35
35
BASE PLATE . PL-9
ANCHOR BOLTS . 2-M16
SECTION A
SCALE 1:30

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DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	RECOMMENDED	SUBMITTED
B	JAN. 99				K.M	K
A	FEB. 98				K.M	K

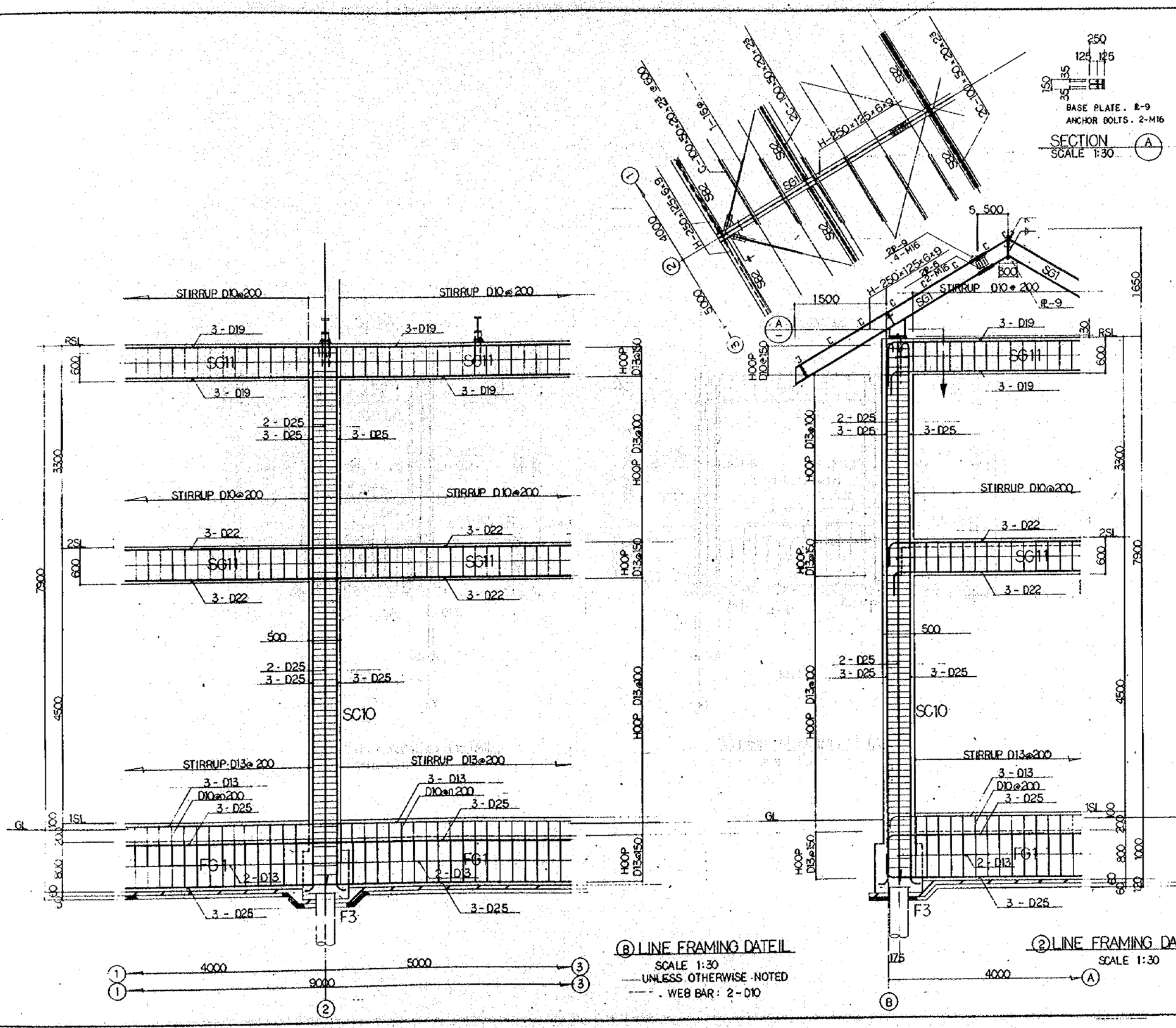
SIGNAL CABIN A

FRAMING DETAIL

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:30

DRAWING NO. AS - 020



REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
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AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

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REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. 99				K.M	K
A	15 FEB. 99				K.M	K

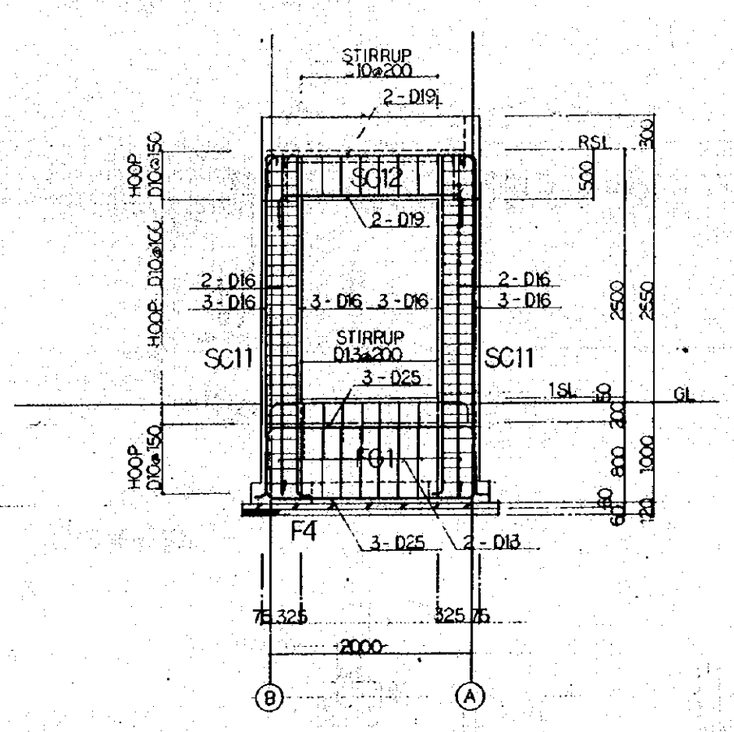
SIGNAL CABIN B

FRAMING DETAIL

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

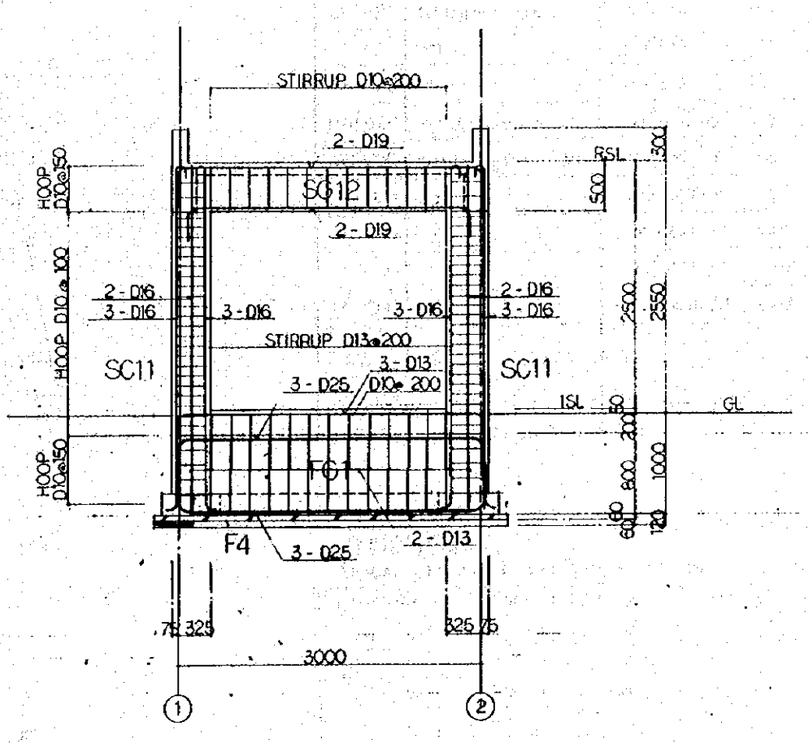
SCALE 1:30

DRAWING NO. AS - 021



① LINE FRAMING DETAIL

SCALE 1:30



⑧ LINE FRAMING DETAIL

SCALE 1:30

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

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B	1 AUG. '89				K.M	
A	15 FEB. '89				K.M	

CROSSING WATCHMAN'S BOX

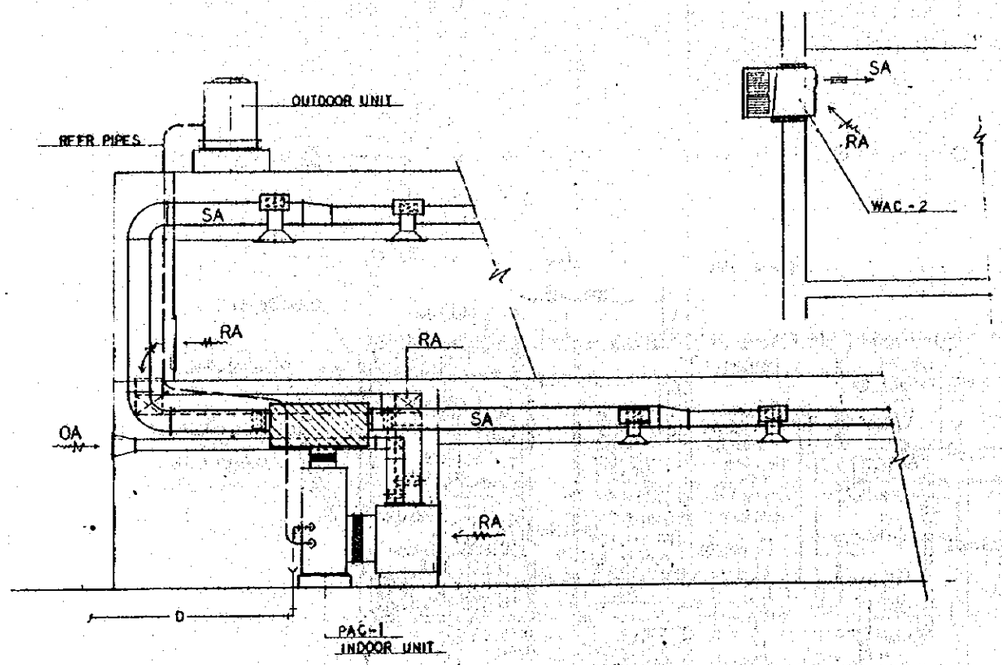
FRAMING DETAIL

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:30

DRAWING NO. AS - 022

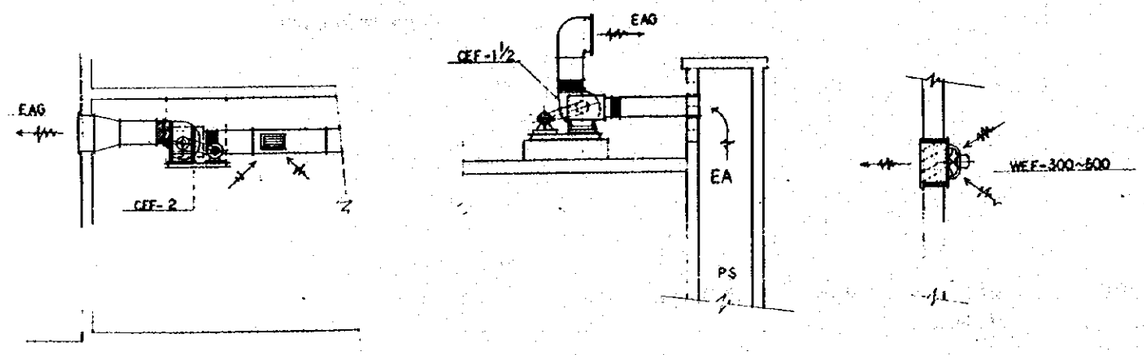
AIR CONDITIONING DIAGRAM



SCHEDULE OF VAC EQUIPMENT

SYMBOL	NAME OF EQUIPMENT	SPECIFICATION	ELEC DATA V	PHASE	HZ	ACCESSORIES	QTY
PAC-1	AIR-COOLED TYPE PACKAGED AIR CONDITIONER	CAP: 16RT, INDOOR-UNIT COMP 15 KW FAN 3.7 KW; OUTDOOR-UNIT FAN 0.4 KW x 2	380	3	50	REFR-PIPES	1
〃 -2	DITTO	CAP: 6RT, INDOOR-UNIT COMP 5.5 KW FAN 0.55 KW; OUTDOOR-UNIT FAN 0.3 KW	〃	〃	〃	DITTO	
WAC-1	WINDOW-MOUNTED ROOM AIR CONDITIONER	CAP: 1.9RT, APPROX. 650W x 420H x 760D, 3.4 KW	220	1	〃	COOLER FRAME	
〃 -2	DITTO	CAP: 1.4RT, DITTO. 650W x 420H x 650D, 2.3 KW	〃	〃	〃	DITTO	2
CEF-1½	CENTRIFUGAL FAN.	1400 m³/Hr x 40 mmAq x 0.75 KW	380	3	〃	ANTIVIBRATION FRAME	1
〃 -2	DITTO	3600 m³/Hr x 35 mmAq x 1.5 KW	〃	〃	〃	DITTO	1
〃 -2½	DITTO	5600 m³/Hr x 45 mmAq x 2.2 KW	〃	〃	〃	DITTO	
PEF-200	PIPE EXHAUST FAN	200Φ x 300 m³/Hr x 10 mmAq x 75 W	220	1	〃	HS	
WEF-250	WALL-TYPE EXHAUST FAN	250Φ x 300 m³/Hr x 6 mmAq x 25 W	〃	〃	〃	EAG	
〃 -300	DITTO	300W x 600H x 8D x 50 W	〃	〃	〃	DITTO	1
〃 -350	〃	350W x 850H x 8D x 100 W	〃	〃	〃	DITTO	2
〃 -400	〃	400W x 1300H x 8D x 200 W	〃	〃	〃	DITTO	
〃 -500	〃	500W x 1600H x 15D x 300 W	〃	〃	〃	DITTO	1

VENTILATION SYSTEM DIAGRAM



DUCT MATERIAL

MINIMUM DUCT GALVANIZED SHEET STEEL METAL GAGES

GAGE	THICKNESS	RECTANGULAR (mm)	ROUND (φmm)
26	0.5 APPROX	UP THROUGH 300(1)	UP THROUGH 200
24	0.6	325 〃 762	255 〃 558
22	0.8	778 〃 1300	583 〃 900
20	1.0	1325 〃 2130	925 〃 1270
18	1.2	2155 〃 3050	

(1) DIMENSION OF LONGEST SIDE

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

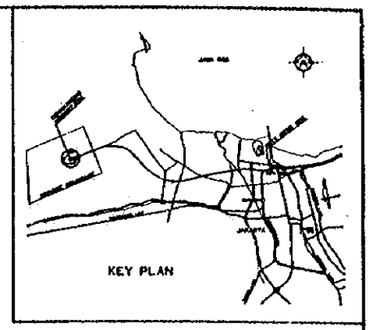
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG '89	[illegible]	[illegible]	[illegible]	K.M	[illegible]
A	15 FEB '89	[illegible]	[illegible]	[illegible]	K.M	[illegible]

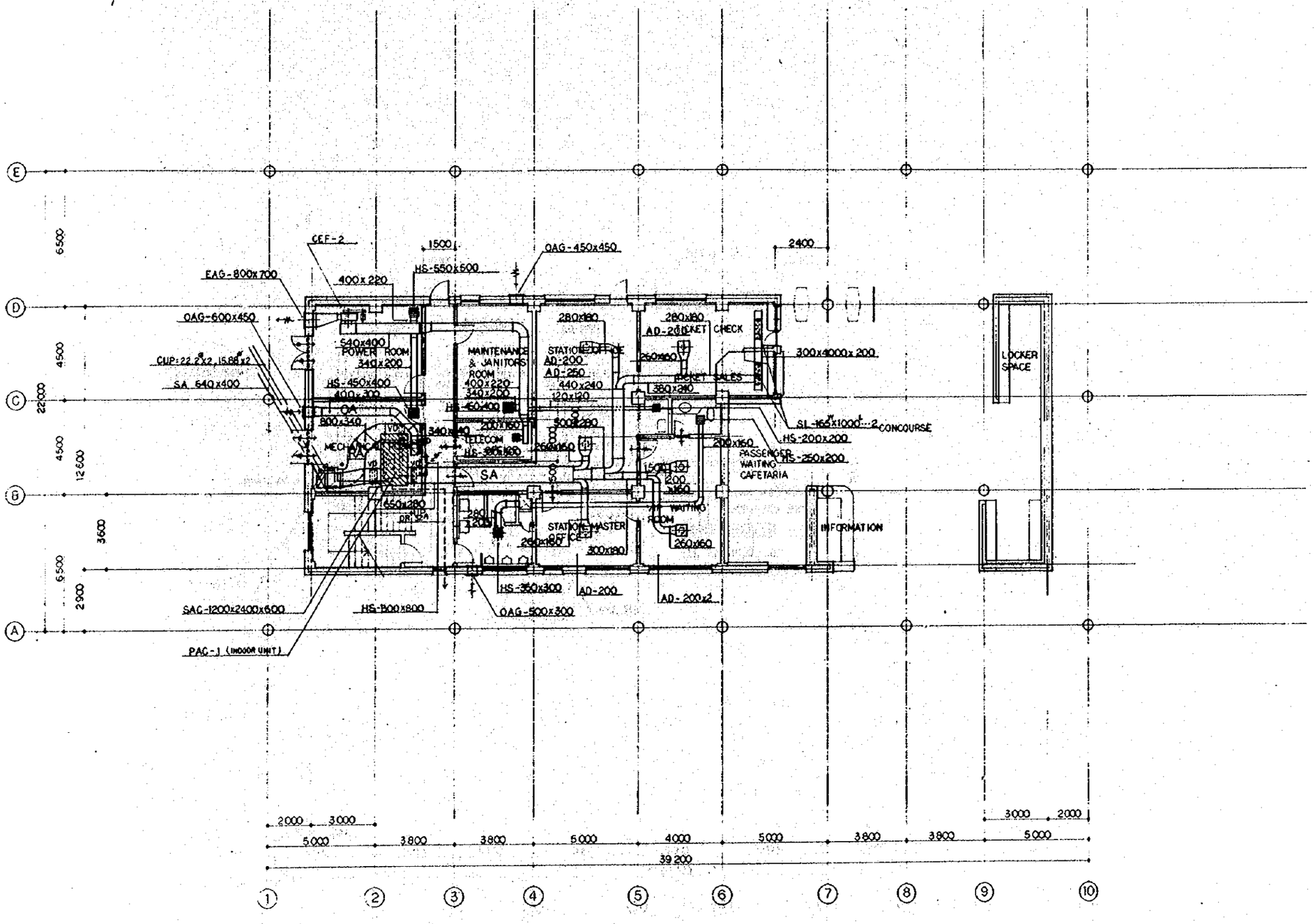
AIRPORT TERMINAL BUILDING
VAC
GENERAL NOTES AND APPARATUS SCHEDULE

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: NONE

DRAWING NO: AM - 001





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MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

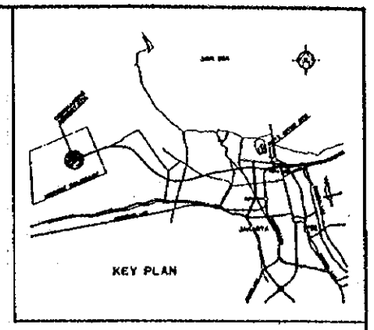
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. '89				K.M	
A	6 FEB. '89				K.M	

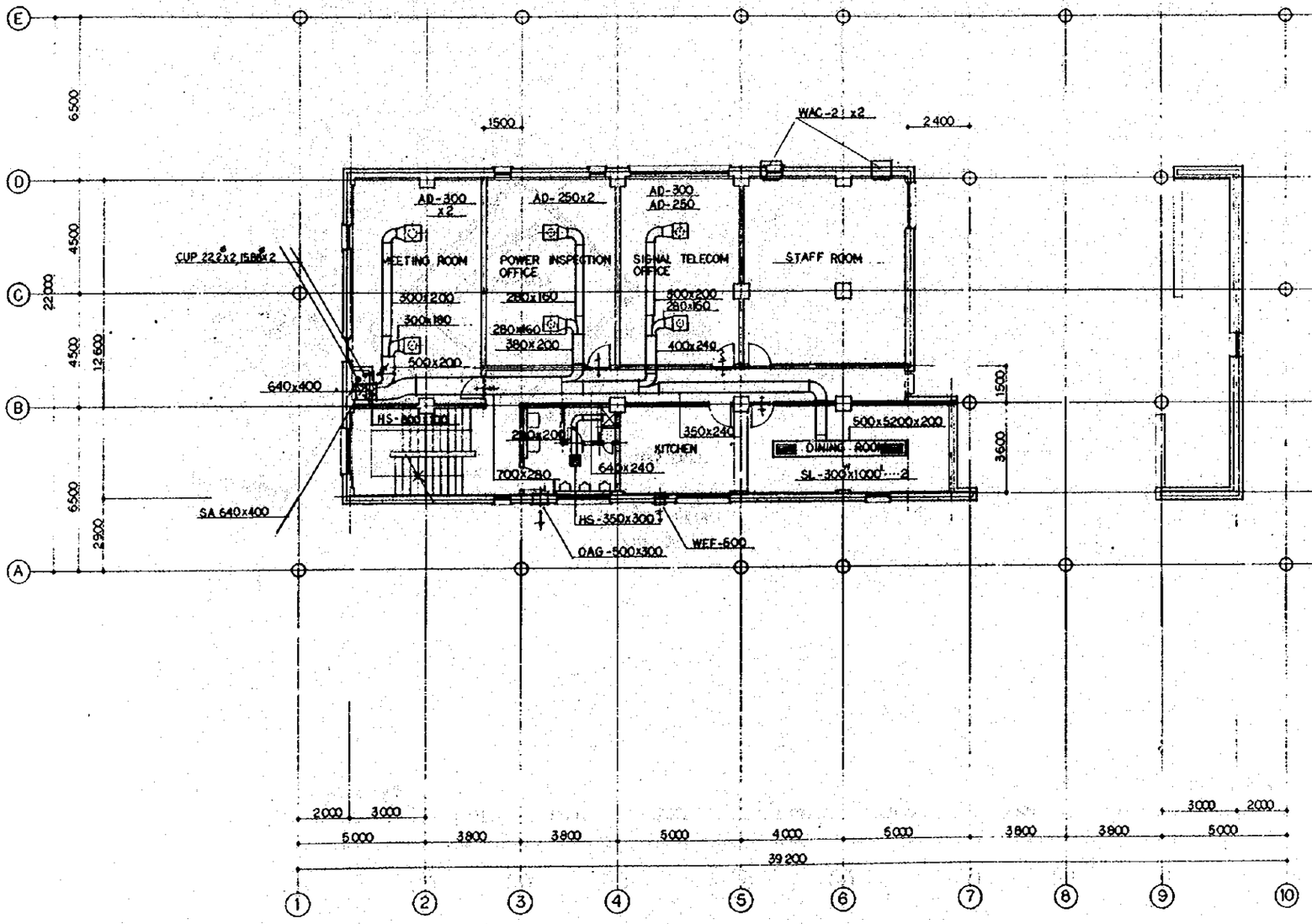
AIRPORT TERMINAL BUILDING
VAC
IF PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:100

DRAWING NO. AM - 002





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MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

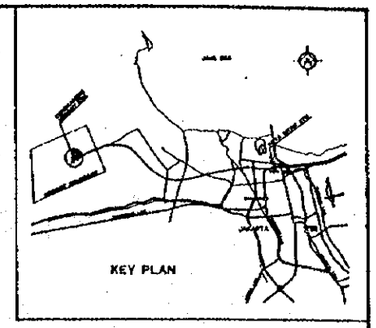
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. 94				K.M	
A	6 FEB. 94				K.M	

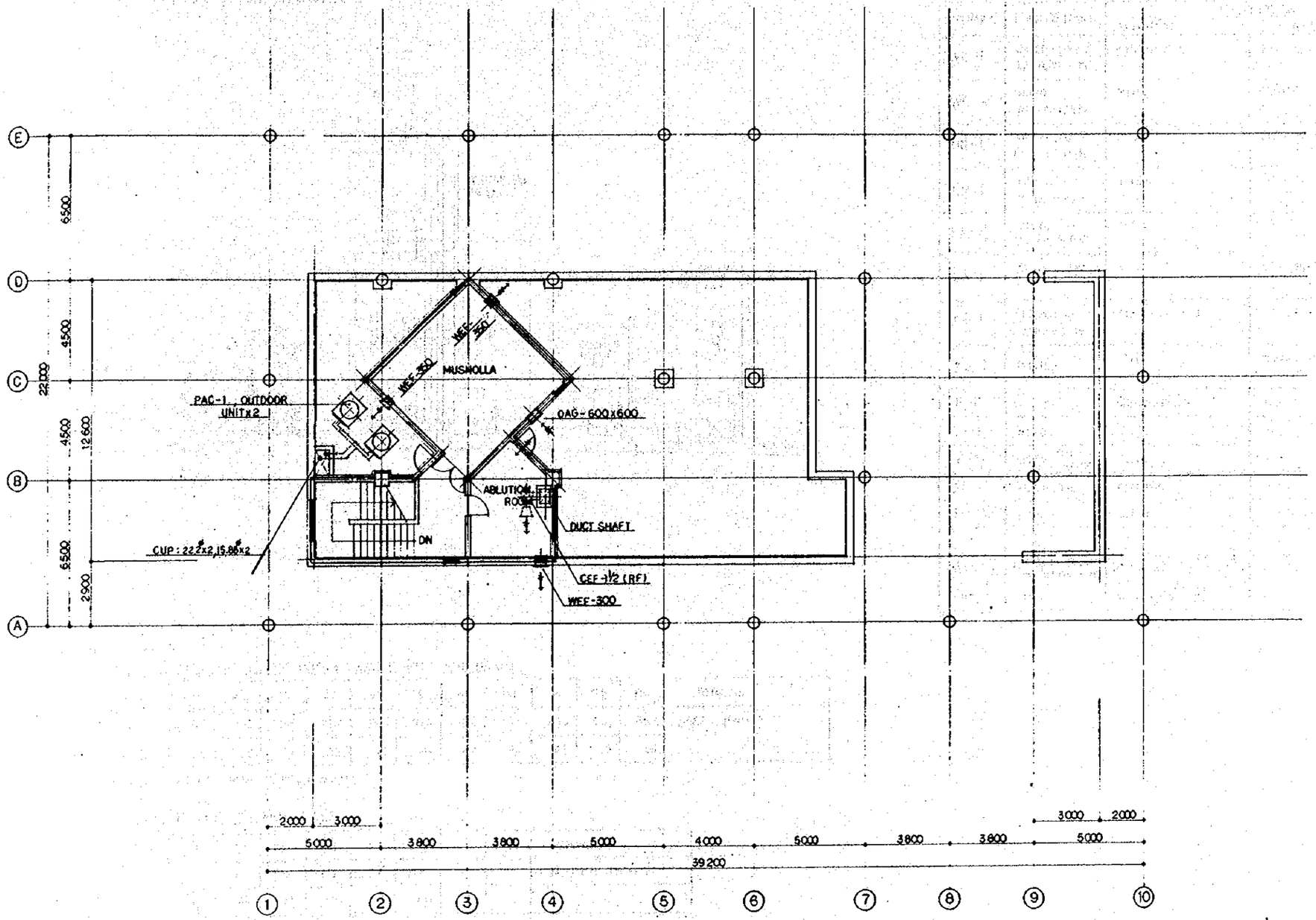
AIRPORT TERMINAL BUILDING
VAC
2F PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:100

DRAWING NO. · AM - 003





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MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1446.99				K.M	
A	14.FEB.96				K.M	

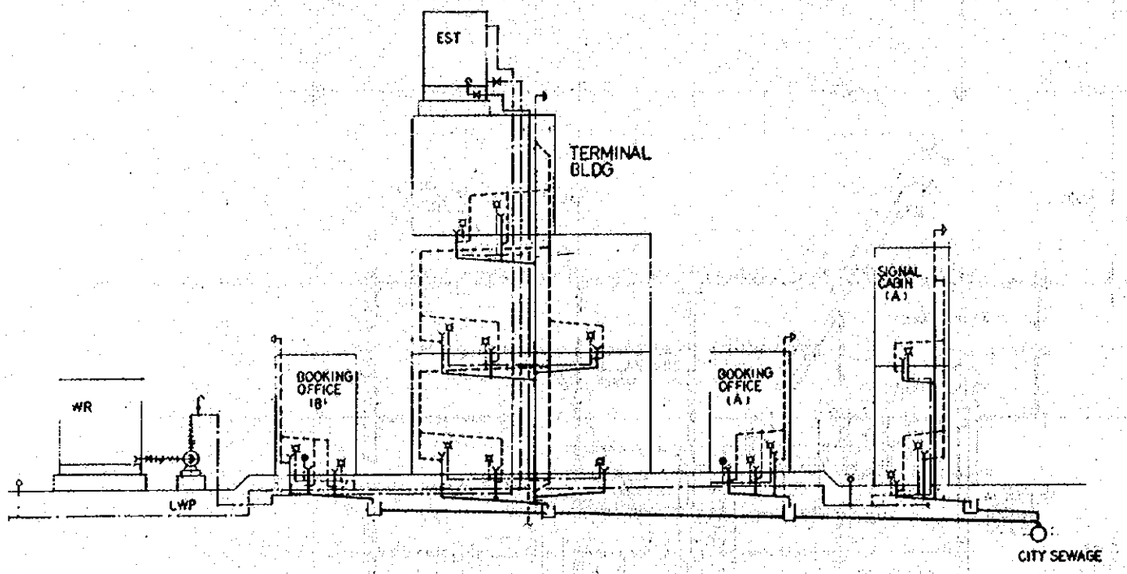
AIRPORT TERMINAL BUILDING
VAC
3F PLAN

PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK

SCALE: 1:100

DRAWING NO.: AM - 004

PLUMBING SYSTEM DIAGRAM



PLUMBING FIXTURES SCHEDULE

SYMBOL	FIXTURE NAME	DESCRIPTION			QTY	CONNECTION PIPE		
		MATERIAL	SIZE APPROX.	ACCESSORIES		WATER	WASTE	VENT
WC-1	WATER CLOSET EASTERN TYPE	VITREOUS CHINA	280x570x300H	P-TRAP, F-2	2	25	100	80
WC-2	DITTO WESTERN TYPE	DITTO	360x600x360H	DITTO, FLUSH-VALVE, TOILET PAPER HOLDER	1	25	100	80
UR-1	URINAL, FLOOR MOUNTED TYPE	DITTO	380x380x920H	FLUSH-VALVE, INLET SPUD	6	20	75	50
LV-1	LAVATORY WALL HUNG	DITTO	530x430	F-1, P-TRAP, SHUT OFF VALVE, CONNECTING PIPE	4	20	50	40
LV-2	DITTO COUNTER-TOP	DITTO	480ϕ	DITTO	1	20	50	40
SK-1	SERVICE SINK	DITTO	560x450x630H	F-2, SINK-TRAP		20	75	40
KS-1	KITCHEN SINK CABINET TYPE	STAINLESS STEEL	1000x560x800H	F-1, SINK-TRAP	1	20	50	40
KS-2	DITTO	DITTO	1500x560x800H	DITTO	1	20 x2	50	40
F-1	FAUCET	CHROME PLATED	1/2			20		
F-2	DITTO	DITTO	3/4		4	25		
F-3	DITTO FOR IRRIGATION	DITTO	3/4	VALVE-BOX, W/KEY	48	25		
FD-1	FLOOR DRAIN	CAST IRON		WASTE FITTING	7		50	
FD-2	DITTO	DITTO		DITTO	1		75	
LWP-1	LIFT WATER PUMP CENTRIFUGAL-TYPE	65-50x560 ϕ Lmin mH x24 x 3.7 kW			1			
LWP-2	DITTO	50-40x250 ϕ Lmin mH x24 x 2.2 kW						

NOTES : PIPING

1. GALVANIZED STEEL PIPES FOR POTABLE WATER, VENT AND DRAIN

SIZE NOMINAL	15	20	25	32	40	50	65	80	100	125	150	REMARKS
OUTSIDE DIAMETER	21.7	27.2	34.0	42.7	48.6	60.5	76.3	89.1	114.3	139.8	165.2	SCREW-JOINTED
WALL THICKNESS	2.8	2.8	3.2	3.5	3.5	3.8	4.2	4.2	4.5	4.5	4.6	

FITTINGS SHALL COMPLY WITH THE PIPE MATERIAL.

2. CAST IRON PIPE FOR SOIL AND SEWER

SIZE NOMINAL	50	75	100	125	150	200			REMARKS
OUTSIDE DIAMETER	59	84	109	134	159	212			ONE TOUCH JOINT-TYPE
WALL THICKNESS	4.5	4.5	4.5	4.5	4.5	6.0			

FITTINGS SHALL COMPLY WITH THE PIPE MATERIAL.

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MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

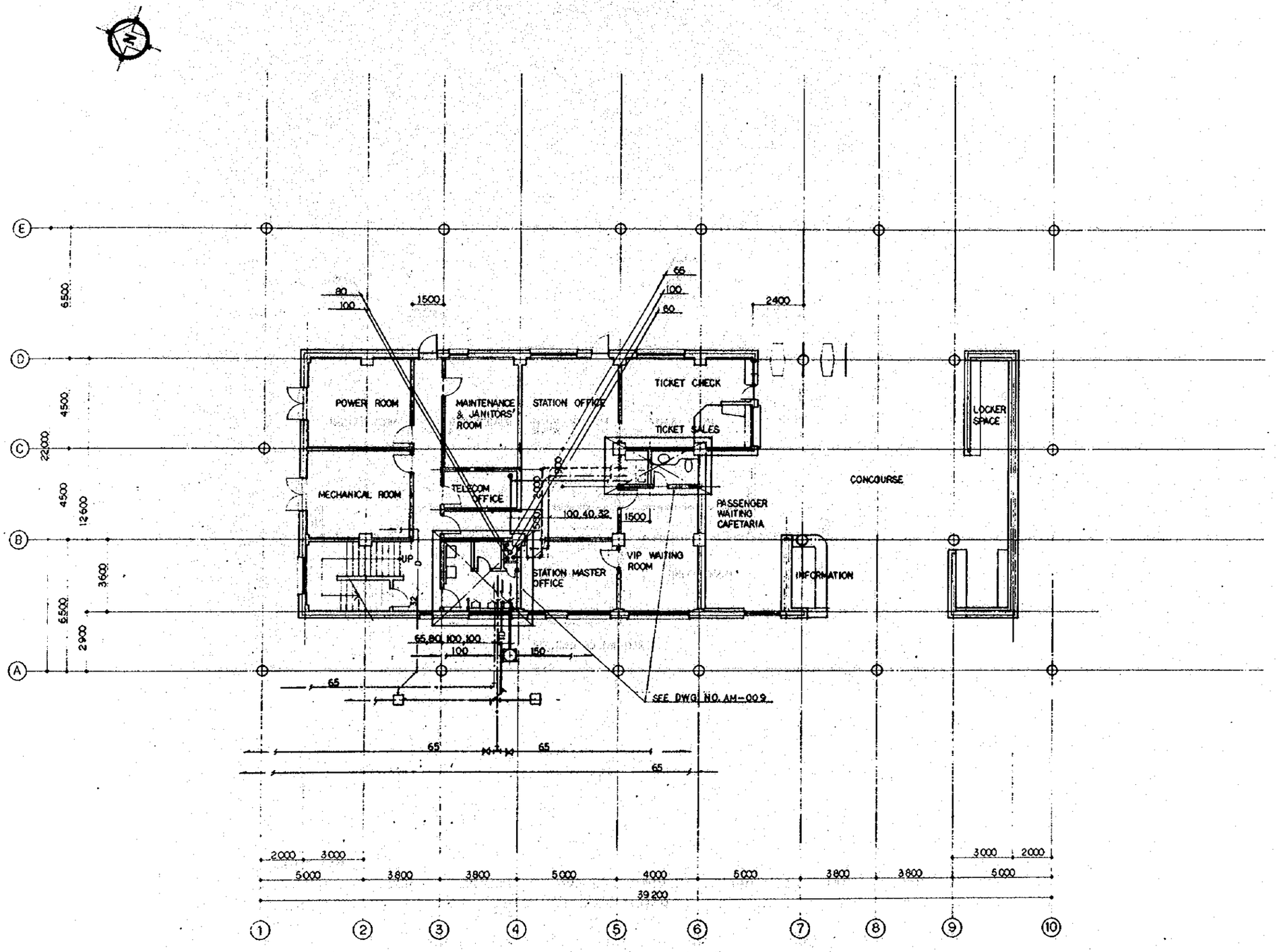
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. '89				K.M.	
A	15 FEB. '89				K.M.	

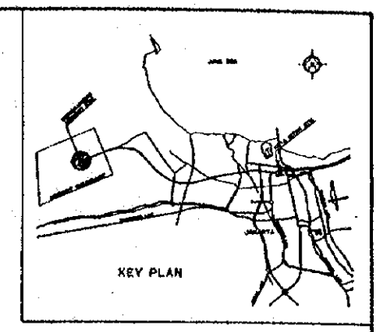
AIRPORT TERMINAL BUILDING PLUMBING GENERAL NOTES AND FIXTURES SCHEDULE

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: NONE

DRAWING NO: AM - 005





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AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

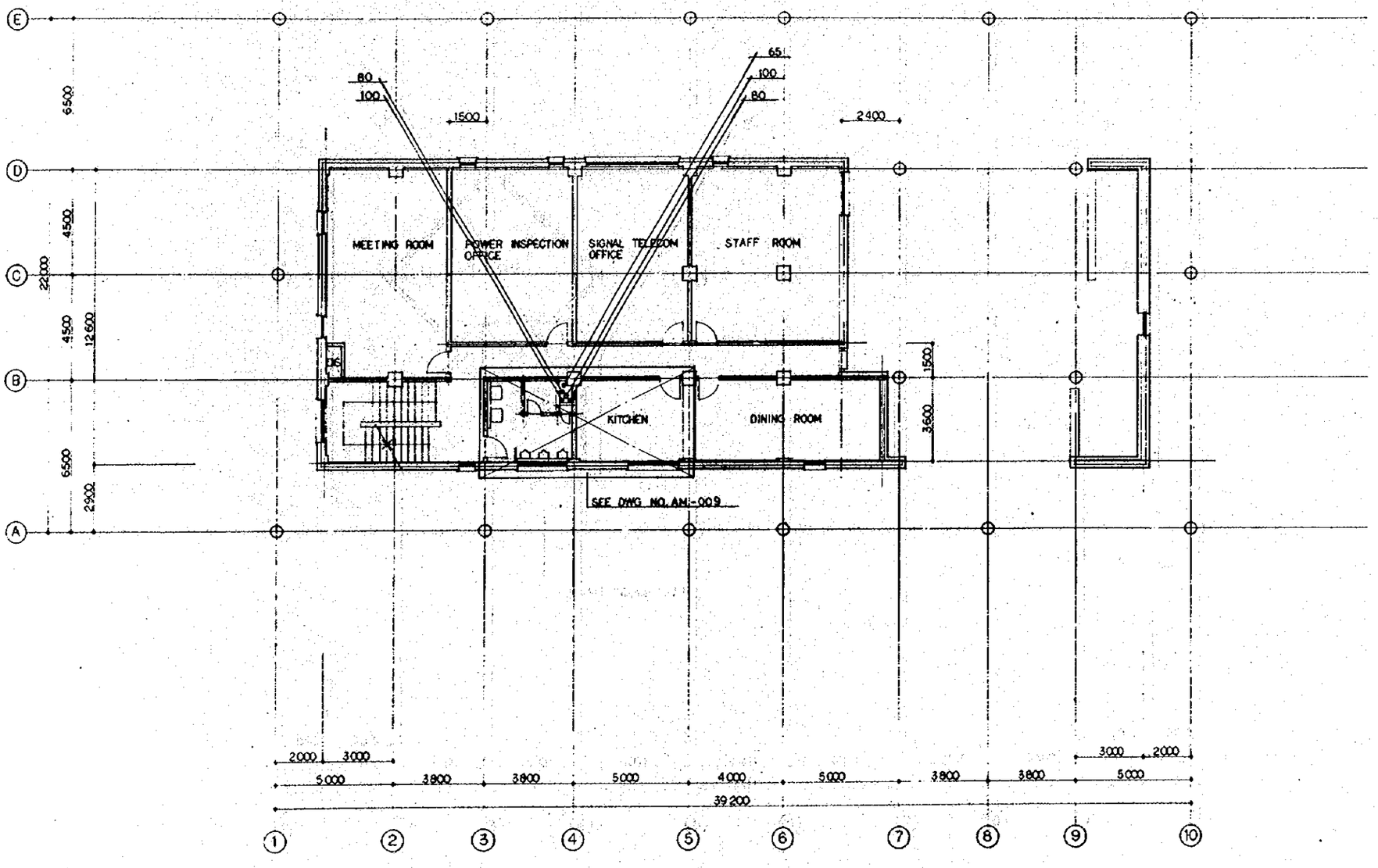
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. '89				K.M	
A	6 FEB. '89				K.M	

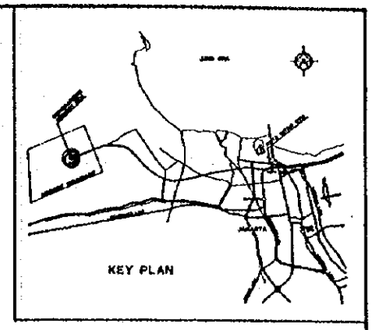
AIRPORT TERMINAL BUILDING
PLUMBING
1F PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:100

DRAWING NO: AM - 006





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DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

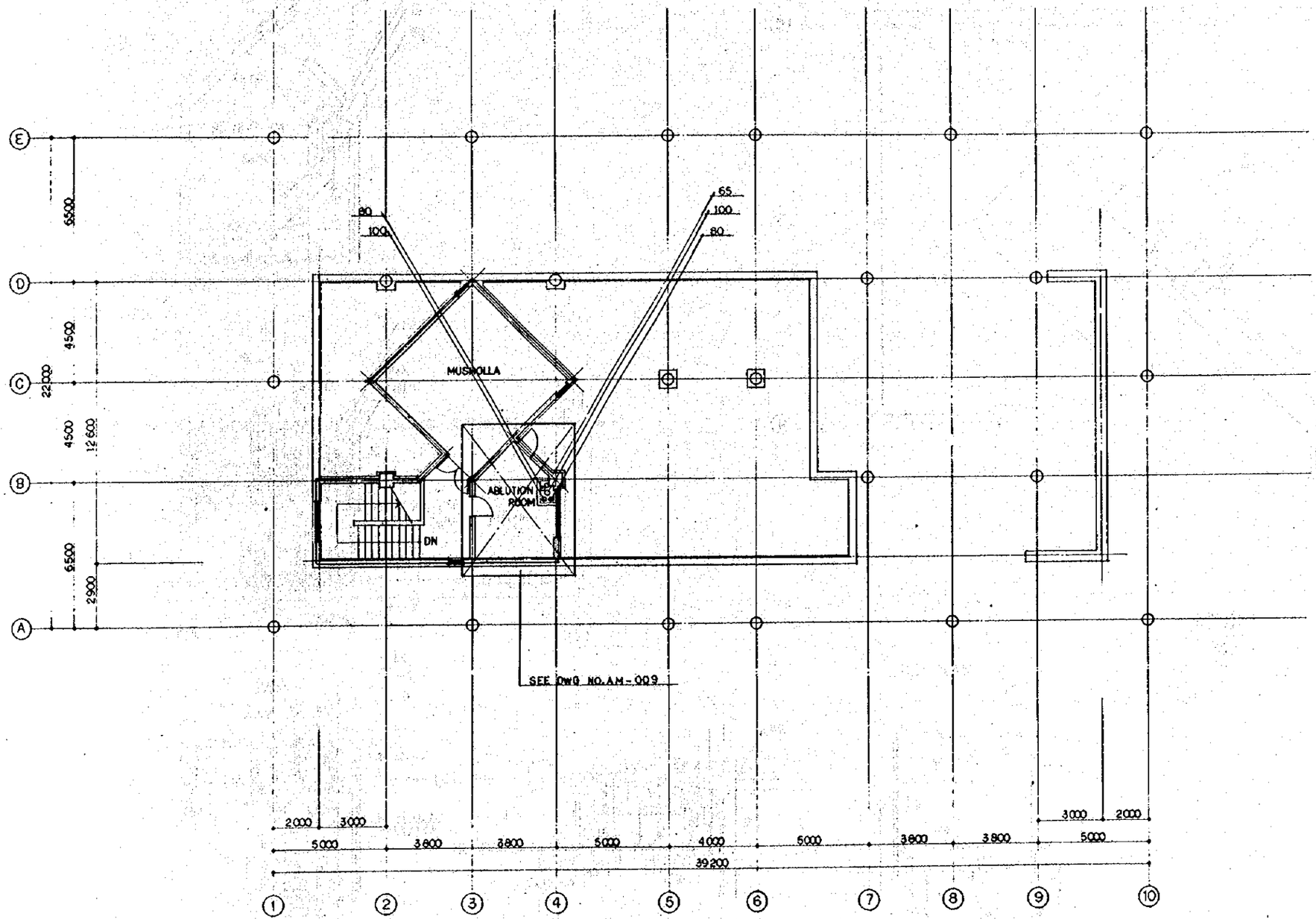
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	LAY-OUT				K.M	
A	USER'S				K.M	

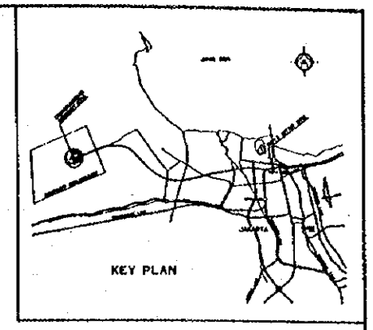
AIRPORT TERMINAL BUILDING
PLUMBING
2F PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:100

DRAWING NO: AM - 007





REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

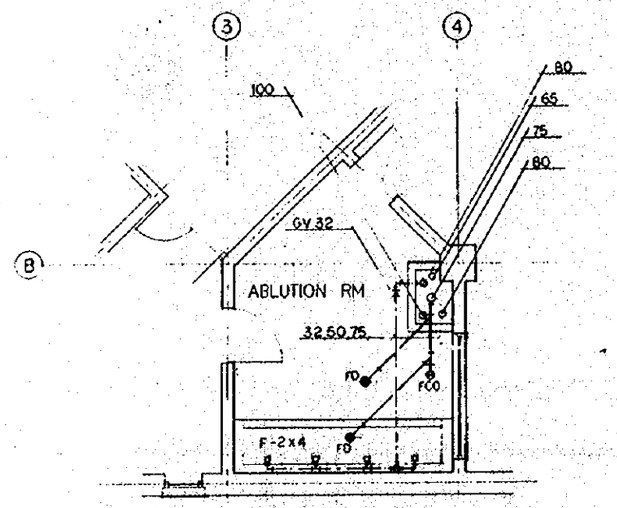
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	14 MAR. 89				K.M	
A	15 FEB. 89				K.M	

AIRPORT TERMINAL BUILDING
PLUMBING
3F PLAN

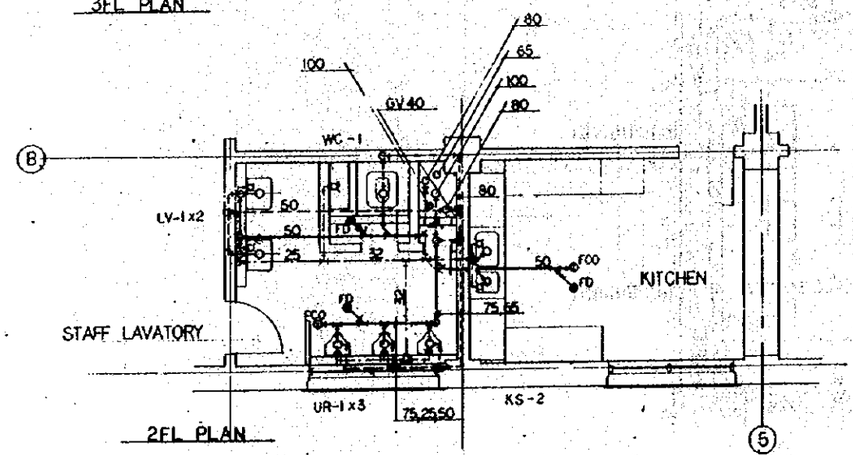
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:100

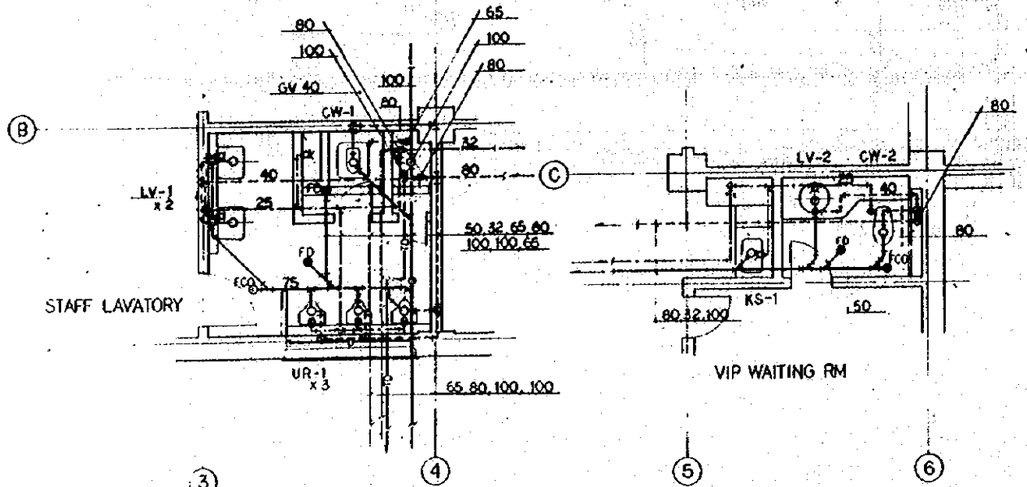
DRAWING NO.: AM - 008



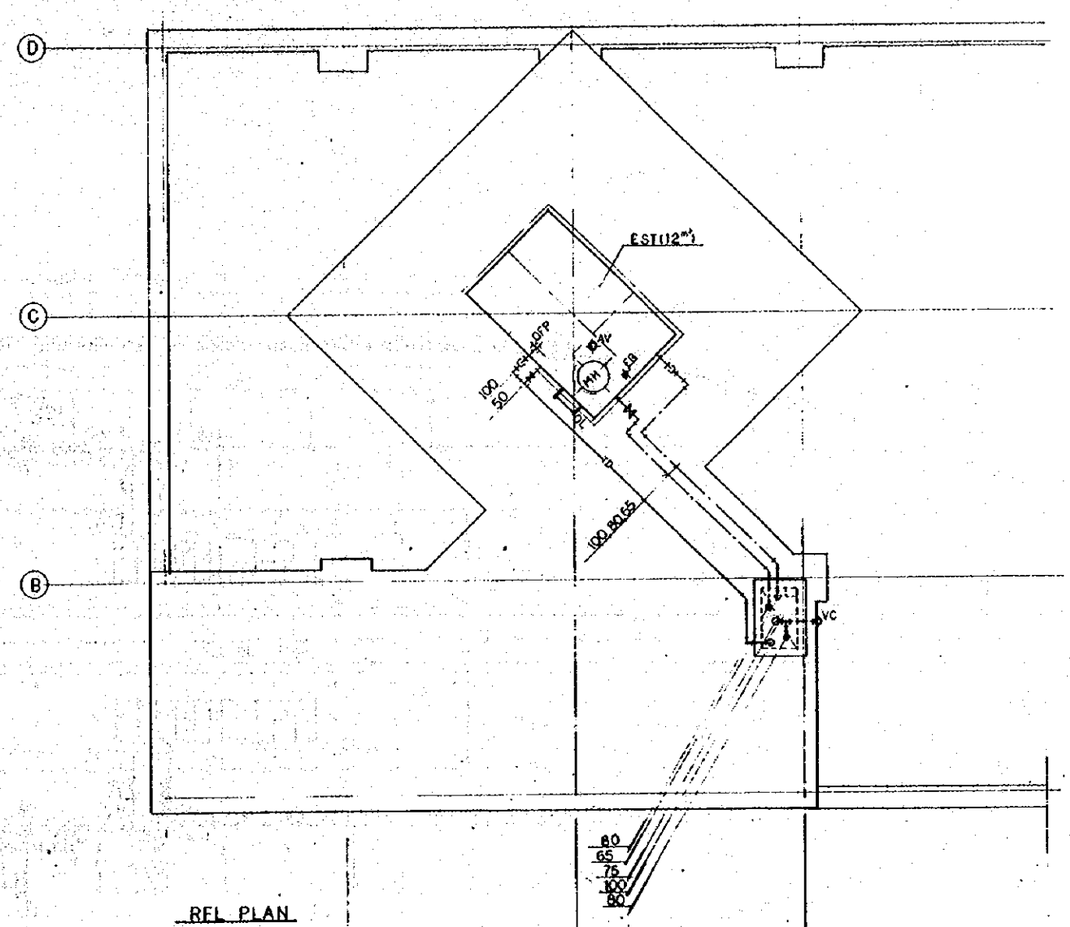
3FL PLAN



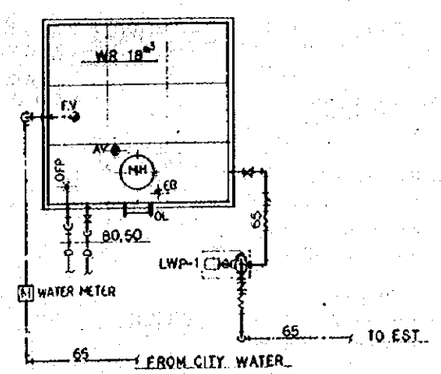
2FL PLAN



1FL PLAN



RFL PLAN



GF PLAN

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

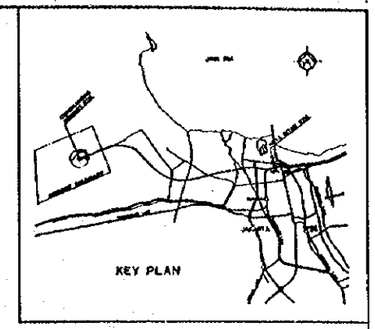
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 89				K.M	K
A	15 FEB 89				K.M	K

AIRPORT TERMINAL BUILDING
PLUMBING
DETAIL PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:100

DRAWING NO. AM - 009



LEGEND

- IRRIGATION VALVE 20φ (F-3)
- DRINKING WATER
- WASTE WATER GRAVITY FLOW
- RAIN WATER
- SANITARY SEWER

S3(1M)

NOTES S1~S16, S19, S20 ····· 600x600
S17 S18 ····· 900x900

REPUBLIC OF INDONESIA
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NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. '89				K.M	
A	15 FEB. '89				K.M	

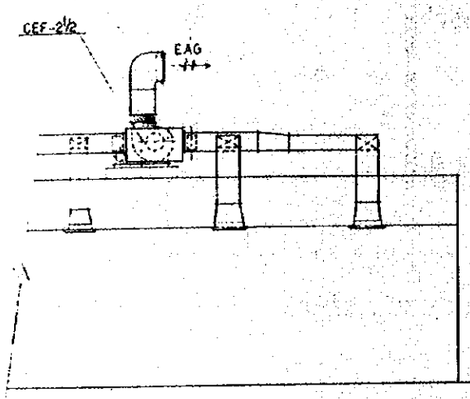
AIRPORT TERMINAL STATION
GENERAL SITE PLAN OF PLUMBING AND IRRIGATION SYSTEM

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

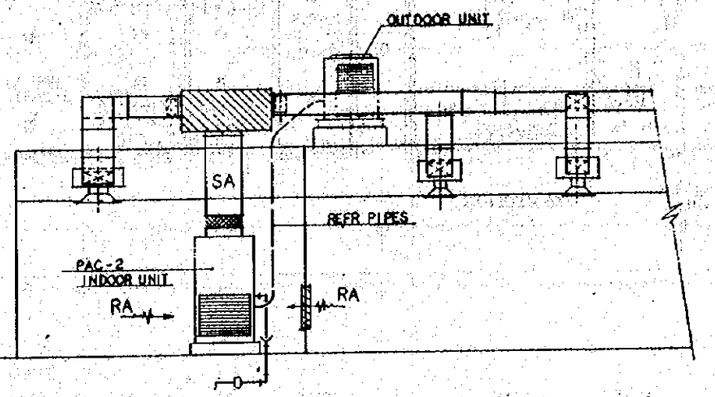
SCALE 1:500

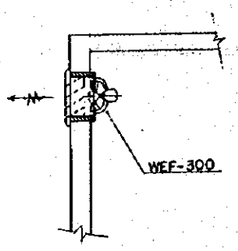
DRAWING NO. AM - 010

VENTILATION SYSTEM DIAGRAM



AIR CONDITIONING SYSTEM DIAGRAM





SCHEDULE OF VAC EQUIPMENT

SYMBOL	NAME OF EQUIPMENT	SPECIFICATION	ELEC DATA V	PHASE	HZ	ACCESSORIES	QTY
PAC-1	AIR-COOLED TYPE PACKAGED AIR CONDITIONER	CAP: 16 RT, INDOOR-UNIT COMP 15 KW FAN 3.7 KW; OUTDOOR-UNIT FAN 0.4 KW x 2	380	3	50	REFR-PIPES	
" -2	DITTO	CAP: 6 RT, INDOOR-UNIT COMP 5.5 KW FAN 0.55 KW; OUTDOOR-UNIT FAN 0.3 KW	"	"	"	DITTO	1
WAC-1	WINDOW-MOUNTED ROOM AIR CONDITIONER	CAP: 1.9 RT, APPBOX 650 W x 420 H x 760 D, 3.4 KW	220	1	"	COOLER FRAME	
" -2	DITTO	CAP: 1.4 RT, DITTO 650 W x 420 H x 650 D, 2.3 KW	"	"	"	DITTO	
CEF-1½	CENTRIFUGAL FAN	1400 m³/hr x 40 mmAq x 0.75 KW	380	3	"	ANTIVIBRATION FRAME	
" -2	DITTO	3600 m³/hr x 35 mmAq x 1.5 KW	"	"	"	DITTO	
" -2½	DITTO	9600 m³/hr x 45 mmAq x 2.2 KW	"	"	"	DITTO	1
PEF-200	PIPE EXHAUST FAN	200 ø x 300 m³/hr x 10 mmAq x 75 W	220	1	"	HS	
WEF-250	WALL-TYPE EXHAUST FAN	250 ø x 300 m³/hr x 6 mmAq x 25 W	"	"	"	EAG	
" -300	DITTO	300 ø x 600 m³/hr x 8 mmAq x 50 W	"	"	"	DITTO	1
" -350	"	350 ø x 850 m³/hr x 8 mmAq x 100 W	"	"	"	DITTO	
" -400	"	400 ø x 1300 m³/hr x 8 mmAq x 200 W	"	"	"	DITTO	
" -500	"	500 ø x 1600 m³/hr x 15 mmAq x 300 W	"	"	"	DITTO	

DUCT MATERIAL

MINIMUM DUCT GALVANIZED SHEET STEEL METAL GAGES

GAGE	THK mm	RECTANGULAR (mm)	ROUND (ø mm)
26	0.5 APPROX	UP THROUGH 300 (1)	UP THROUGH 200
24	0.6	325 " 762	255 " 558
22	0.8	778 " 1300	583 " 900
20	1.0	1325 " 2130	925 " 1270
18	1.2	2155 " 3050	

(1) DIMENSION OF LONGEST SIDE

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

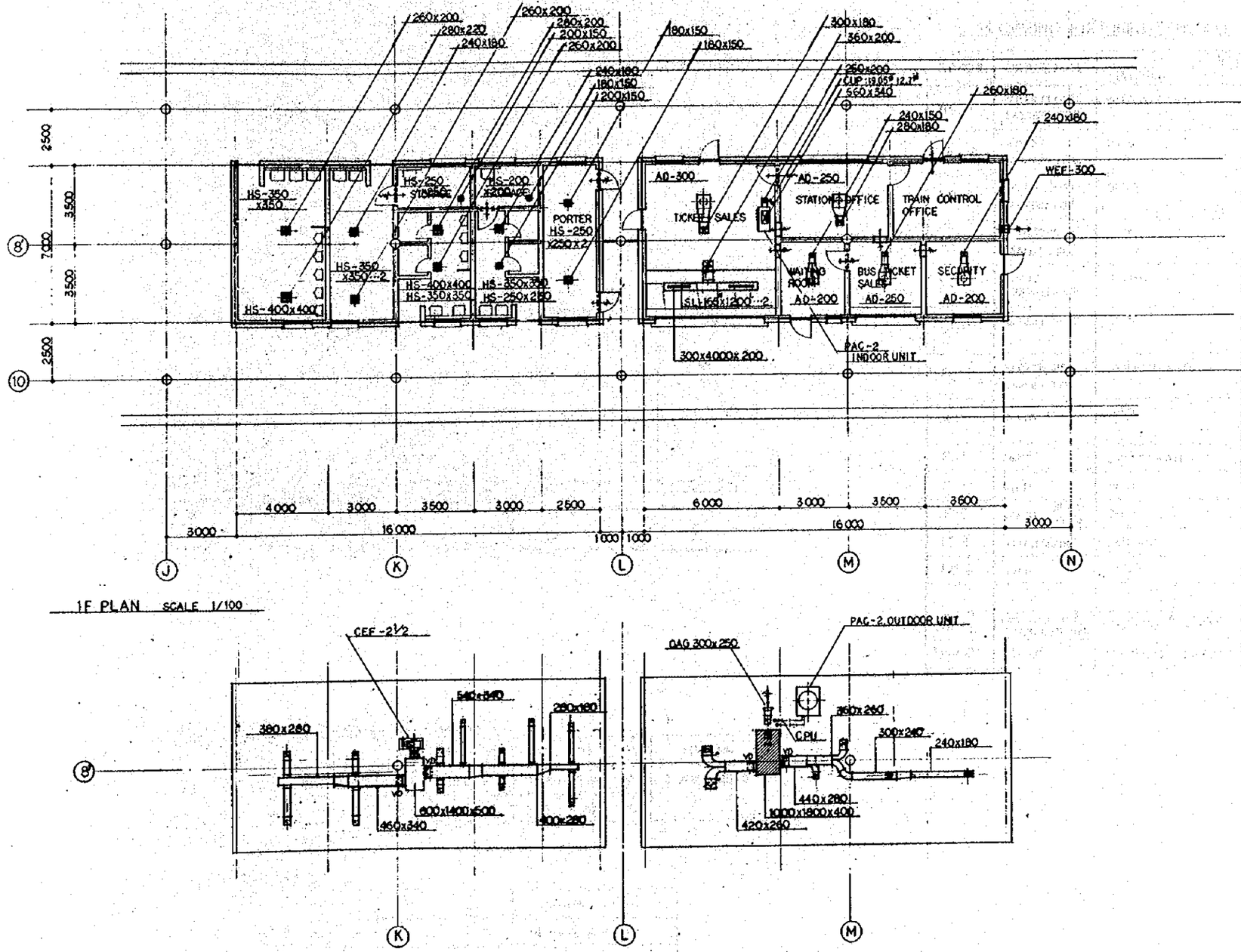
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	10.AUG.89				K.M	
A	15.FEB.89				K.M	

BOOKING OFFICE
VAC
GENERAL NOTES AND
APPARATUS SCHEDULE

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

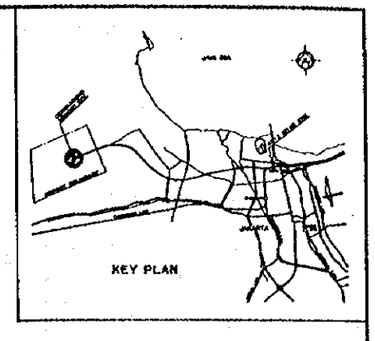
SCALE: NONE

DRAWING NO: AM - 011



1F PLAN SCALE 1/100

RF PLAN SCALE 1/100



REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. '89				K.M	A.K
A	6 FEB. '89				K.M	A.K

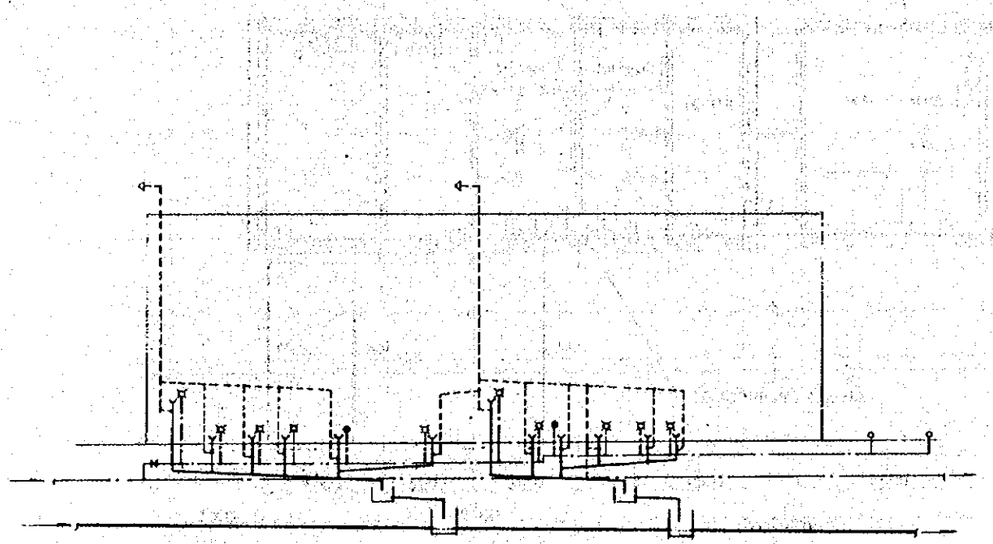
BOOKING OFFICE
VAC
1F AND RF PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:100

DRAWING NO. AM - 012

PLUMBING SYSTEM DIAGRAM



PLUMBING FIXTURES SCHEDULE

SYMBOL	FIXTURE NAME	DESCRIPTION			QTY	CONNECTION PIPE		
		MATERIAL	SIZE APPROX.	ACCESSORIES		WATER	WASTE	VENT
WC-1	WATER CLOSET EASTERN TYPE	VITREOUS CHINA	280x570x300^{H}	P-TRAP, F-2	6	25	100	80
WC-2	DITTO WESTERN TYPE	DITTO	360x600x360^{H}	DITTO, FLUSH-VALVE, TOILET PAPER HOLDER	4	25	100	80
UR-1	URINAL, FLOOR MOUNTED TYPE	DITTO	380x380x920^{H}	FLUSH-VALVE, INLET SPUD	8	20	75	50
LV-1	LAVATORY WALL HUNG	DITTO	530x430	F-1, P-TRAP, SHUT OFF VALVE, CONNECTING PIPE	9	20	50	40
LV-2	DITTO COUNTER-TOP	DITTO	480$^{\phi}$	DITTO		20	50	40
SK-1	SERVICE SINK	DITTO	560x450x630^{H}	F-2, SINK-TRAP	2	20	75	40
KS-1	KITCHEN SINK CABINET TYPE	STAINLESS STEEL	1000x560x800^{H}	F-1, SINK-TRAP		20	50	40
KS-2	DITTO	DITTO	1500x560x800^{H}	DITTO		20	50	40
F-1	FAUCET	CHROME PLATED	1/2			20		
F-2	DITTO	DITTO	3/4			25		
F-3	DITTO FOR IRRIGATION	DITTO	3/4	VALVE-BOX, W/KEY		25		
FD-1	FLOOR DRAIN	CAST IRON		WASTE FITTING	8		50	
FD-2	DITTO	DITTO		DITTO			75	
LWP-1	LIFT WATER PUMP CENTRIFUGAL-TYPE	65-50x550 ϕ L/min x 24 mH x 3.7 kW						
LWP-2	DITTO	50-40x250 ϕ L/min x 24 mH x 2.2 kW						

NOTES : PIPING

1. GALVANIZED STEEL PIPES FOR POTABLE WATER, VENT AND DRAIN

SIZE NOMINAL	15	20	25	32	40	50	65	80	100	125	150	REMARKS
OUTSIDE DIAMETER	21.7	27.2	34.0	42.7	48.6	60.5	76.3	89.1	114.3	139.8	165.2	SCREW-JOINTED
WALL THICKNESS	2.8	2.8	3.2	3.5	3.5	3.8	4.2	4.2	4.5	4.5	4.6	

FITTINGS SHALL COMPLY WITH THE PIPE MATERIAL.

2. CAST IRON PIPE FOR SOIL AND SEAWER

SIZE NOMINAL	50	75	100	125	150	200			REMARKS
OUTSIDE DIAMETER	59	84	109	134	159	212			ONE TOUCH JOINT-TYPE
WALL THICKNESS	4.5	4.5	4.5	4.5	4.5	6.0			

FITTINGS SHALL COMPLY WITH THE PIPE MATERIAL.

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MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

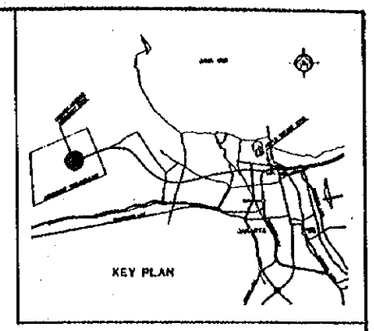
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. 89				K.M	
A	15 FEB. 89				K.M	

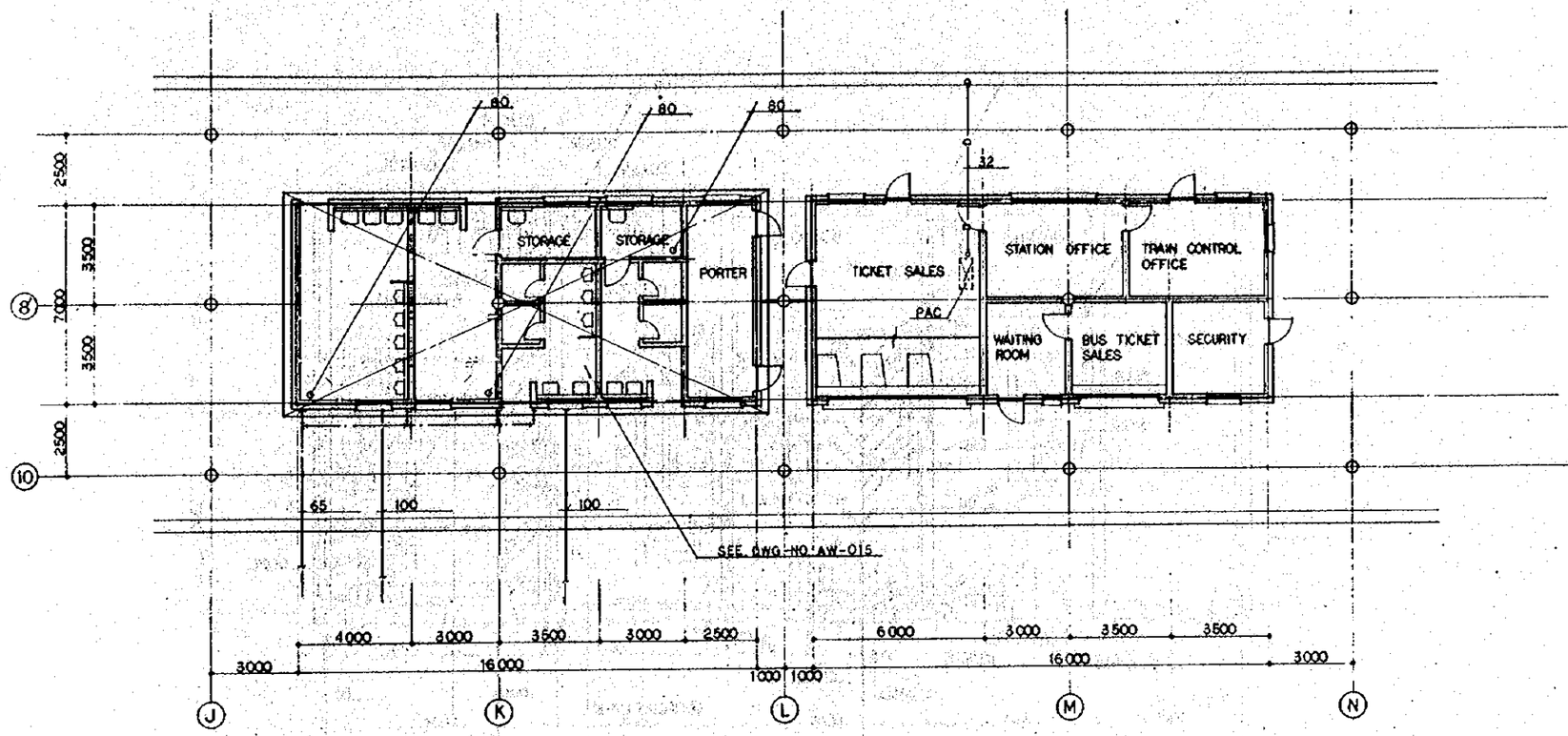
BOOKING OFFICE
PLUMBING
GENERAL NOTES AND
FIXTURES SCHEDULE

PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK

SCALE: NONE

DRAWING NO: AM - 013





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MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

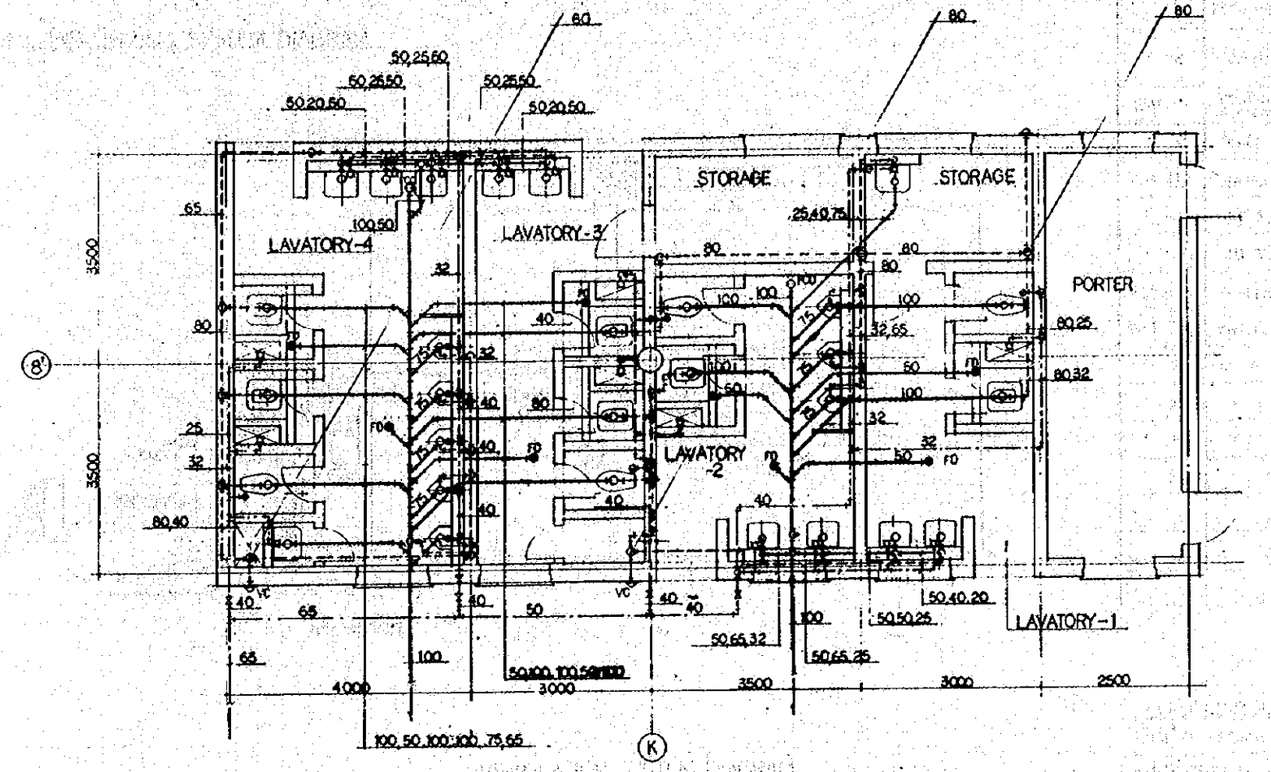
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1A09.94				K.M	
A	K08.94				K.M	

BOOKING OFFICE
PLUMBING
IF PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:100

DRAWING NO. AM - 014



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AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	14.04.89				K.M	
A	15 FEB. 89				K.M	

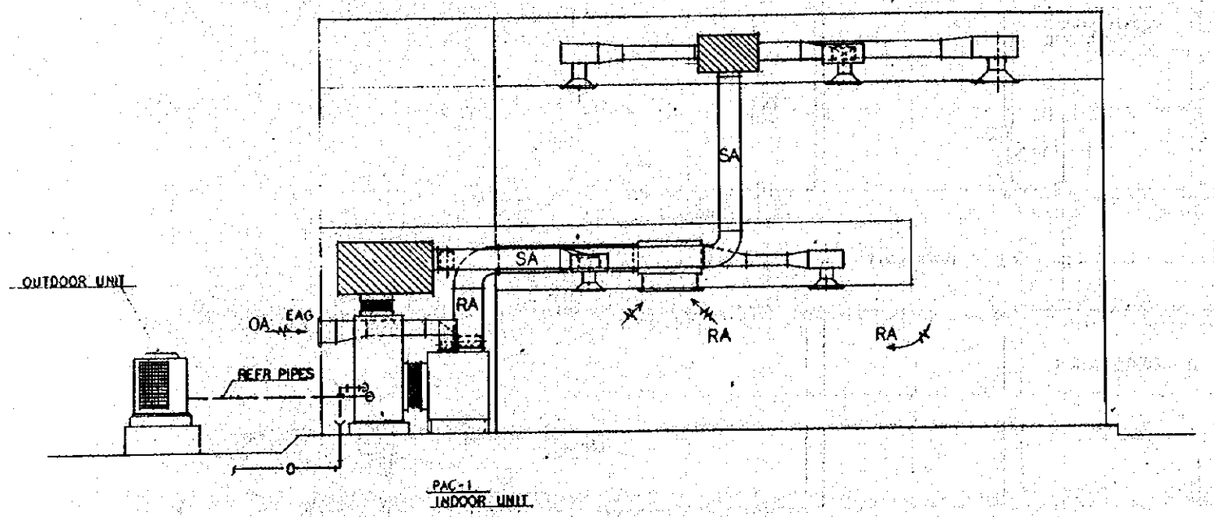
BOOKING OFFICE
PLUMBING
DETAIL PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:100

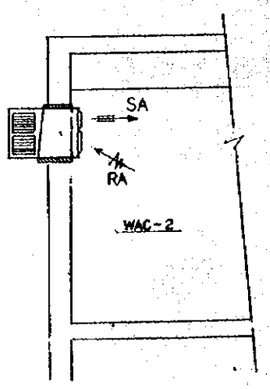
DRAWING NO: AM - 015

AIR CONDITIONING SYSTEM DIAGRAM

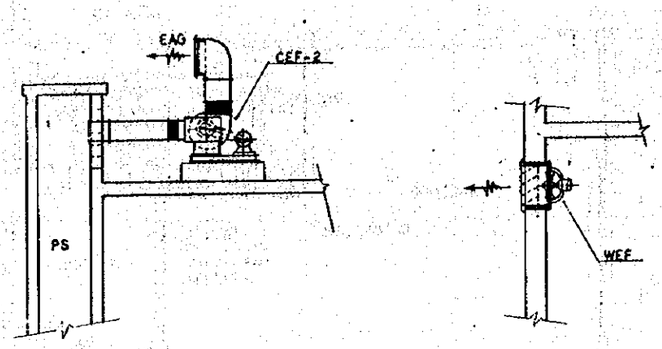


SCHEDULE OF VAC EQUIPMENT

SYMBOL	NAME OF EQUIPMENT	SPECIFICATION	ELEC DATA V	PHASE	HZ	ACCESSORIES	QTY
PAC-1	AIR-COOLED TYPE PACKAGED AIR CONDITIONER	CAP: 16 RT, INDOOR-UNIT COMP 15 KW FAN 3.7 KW; OUTDOOR-UNIT FAN 0.4 KW x 2	380	3	50	REFR-PIPES	1
" -2	DITTO	CAP: 6 RT, INDOOR-UNIT COMP 5.5 KW FAN 0.55 KW; OUTDOOR-UNIT FAN 0.3 KW	"	"	"	DITTO	
WAC-1	WINDOW MOUNTED ROOM AIR CONDITIONER	CAP: 1.9 RT APPROX. 550 W x 420 H x 760 D 3.4 KW	220	1	"	COOLER FRAME	
" -2	DITTO	CAP: 1.4 RT, DITTO 650 W x 420 H x 650 D 2.3 KW	"	"	"	DITTO	4
CEF-1½	CENTRIFUGAL FAN	1400 m³/hr x 40 mmAq x 0.75 KW	380	3	"	ANTIVIBRATION FRAME	
" -2	DITTO	3600 ϕ x 35° x 1.5 KW	"	"	"	DITTO	1
" -2½	DITTO	5600 ϕ x 45° x 2.2 KW	"	"	"	DITTO	
PEF-200	PIPE EXHAUST FAN	200 ϕ x 300 m³/hr x 10 mmAq x 75 W	220	1	"	HS	
WEF-250	WALL-TYPE EXHAUST FAN	250 ϕ x 300 m³/hr x 6 mmAq x 25 W	"	"	"	EAG	
" -300	DITTO	300 ϕ x 600 m³/hr x 8 mmAq x 50 W	"	"	"	DITTO	2
" -350	"	350 ϕ x 950 m³/hr x 8 mmAq x 100 W	"	"	"	DITTO	4
" -400	"	400 ϕ x 1300 m³/hr x 8 mmAq x 200 W	"	"	"	DITTO	5
" -500	"	500 ϕ x 1600 m³/hr x 15 mmAq x 300 W	"	"	"	DITTO	1



VENTILATION SYSTEM DIAGRAM



DUCT MATERIAL

MINIMUM DUCT GALVANIZED SHEET STEEL METAL GAGES

GAGE	THK mm	RECTANGULAR (mm)	ROUND (ϕ mm)
26	0.5 APPROX	UP THROUGH 300 (1)	UP THROUGH 200
24	0.6	325 " 762	255 " 558
22	0.8	778 " 1300	583 " 900
20	1.0	1325 " 2130	925 " 1270
18	1.2	2155 " 3050	

(1) DIMENSION OF LONGEST SIDE

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MINISTRY OF COMMUNICATIONS
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NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

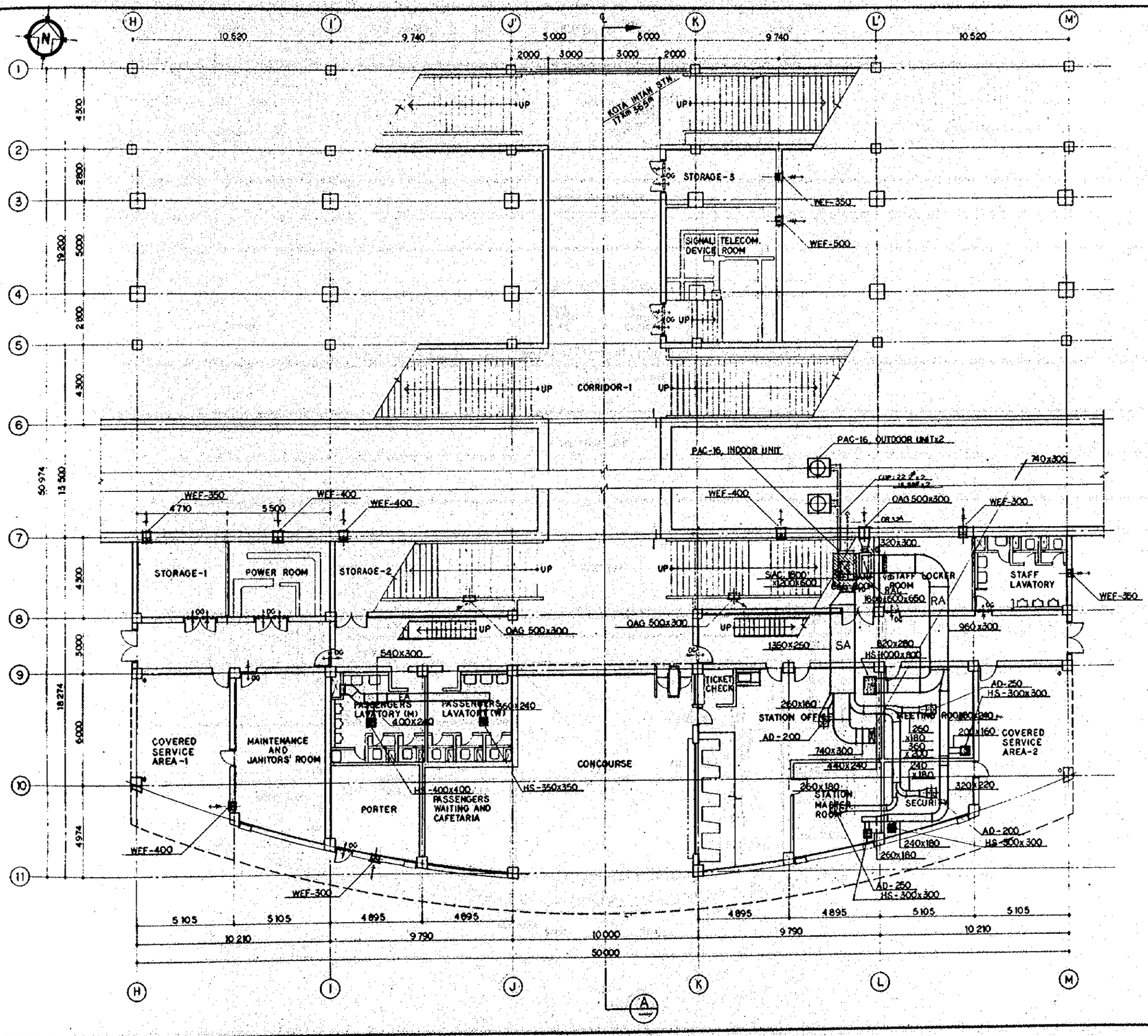
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	14 FEB. 89				K.M	
A	6 FEB. 89				K.M	

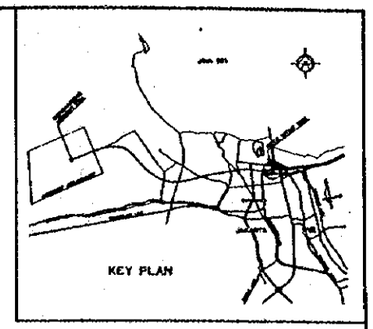
KOTA INTAN STATION
VAC
GENERAL NOTES AND APPARATUS SCHEDULE

PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK

SCALE: NONE

DRAWING NO: AM - 016





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NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

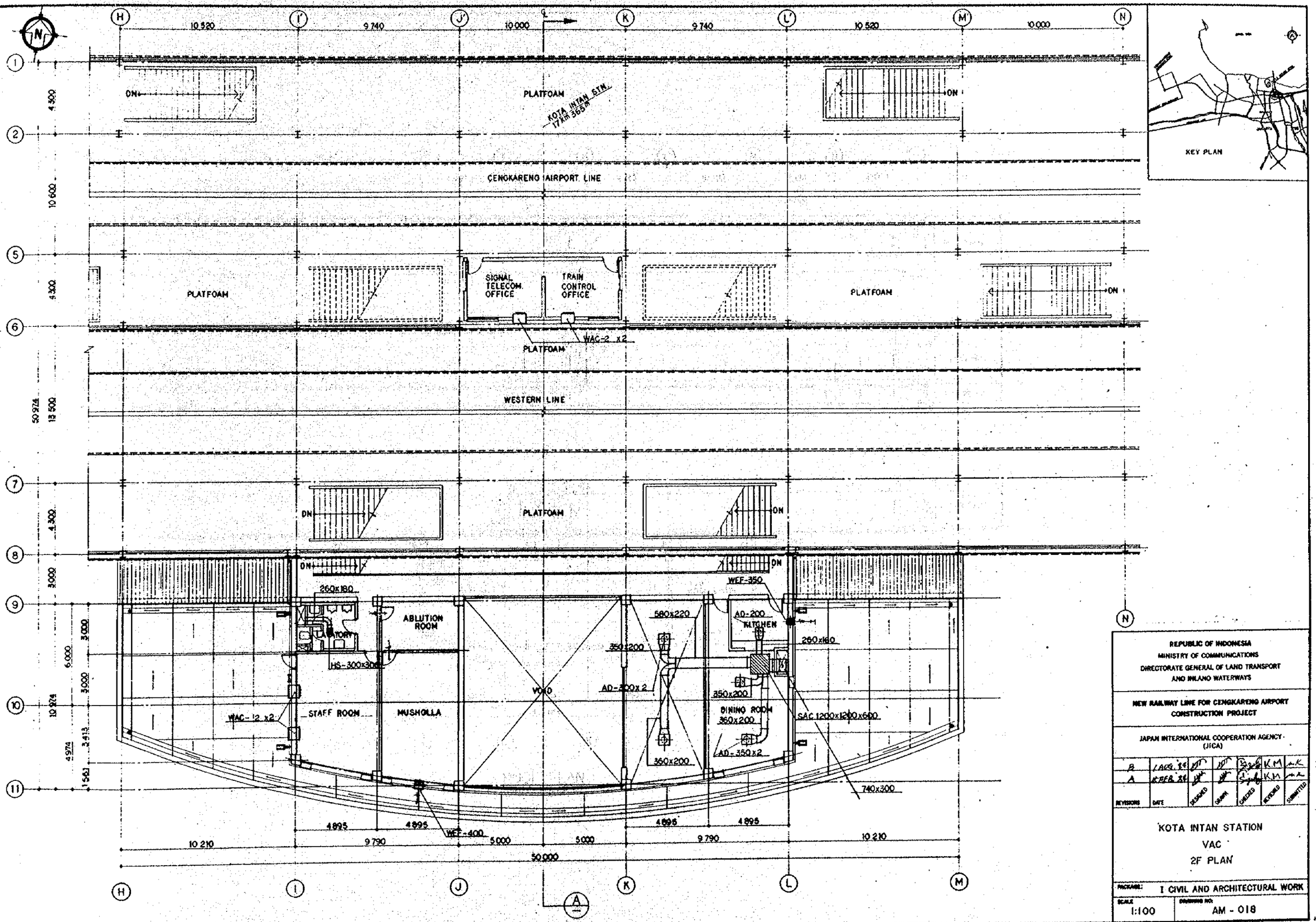
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	14AUG.'89	[illegible]	[illegible]	[illegible]	K.M	[illegible]
A	4FEB.'89	[illegible]	[illegible]	[illegible]	K.M	[illegible]

KOTA INTAN STATION
VAC
1F PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:100

DRAWING NO. AM - 017



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AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

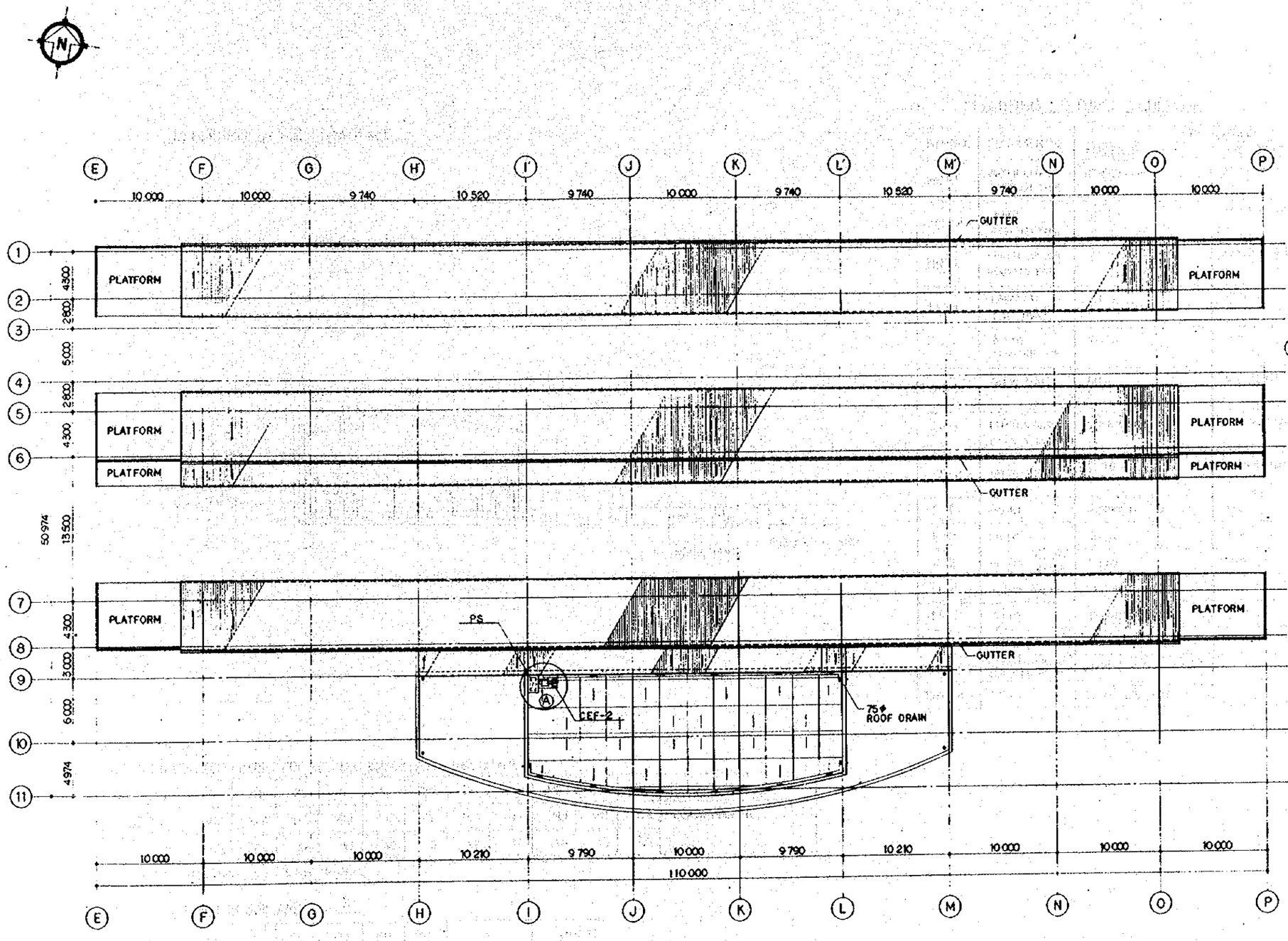
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	COMMITTED
B	1 AUG. 96				KM	
A	1 FEB. 96				KM	

KOTA INTAN STATION
VAC
2F PLAN

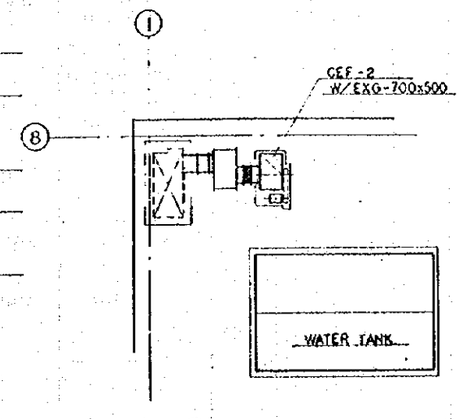
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:100

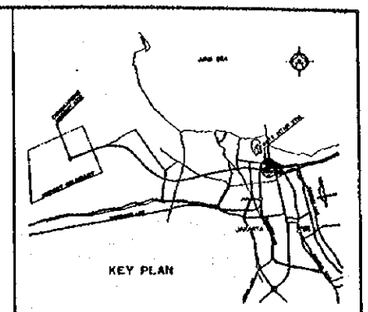
DRAWING NO: AM - 018



ROOF PLAN
SCALE 1:200



Ⓐ DETAIL SCALE 1/50



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AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	14 MAR. '89				K.M	
A	15 FEB. '89				K.M	

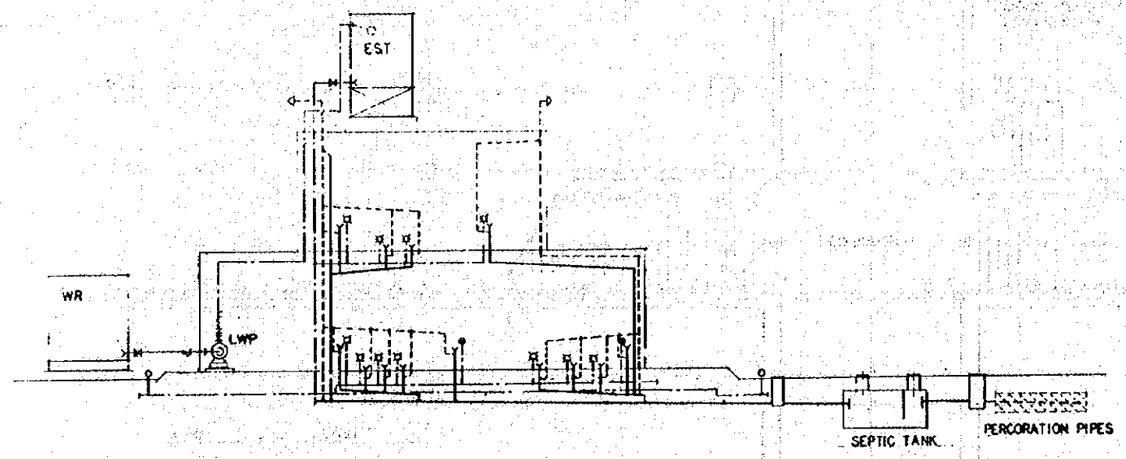
KOTA INTAN STATION
VAC
RF PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:200

DRAWING NO. AM - 019

PLUMBING SYSTEM DIAGRAM



PLUMBING FIXTURES SCHEDULE

SYMBOL	FIXTURE NAME	DESCRIPTION			Q'TY	CONNECTION PIPE		
		MATERIAL	SIZE APPROX.	ACCESSORIES		WATER	WASTE	VENT
WC-1	WATER CLOSET EASTERN TYPE	VITREOUS CHINA	280x570x300H	P-TRAP, F-2	8	25	100	80
WC-2	DITTO WESTERN TYPE	DITTO	360x600x360H	DITTO, FLUSH-VALVE, TOILET PAPER HOLDER		25	100	80
UR-1	URINAL, FLOOR MOUNTED TYPE	DITTO	380x380x920H	FLUSH-VALVE, INLET SPUD	8	20	75	50
LV-1	LAVATORY WALL HUNG	DITTO	530x430	F-1, P-TRAP, SHUT OFF VALVE, CONNECTING PIPE	8	20	50	40
LV-2	DITTO COUNTER-TOP	DITTO	480ϕ	DITTO		20	50	40
SK-1	SERVICE SINK	DITTO	560x450x630H	F-2, SINK-TRAP	3	20	75	40
KS-1	KITCHEN SINK CABINET TYPE	STAINLESS STEEL	1000x560x800H	F-1, SINK-TRAP	1	20	50	40
KS-2	DITTO	DITTO	1500x560x800H	DITTO	1	20	50	40
F-1	FAUCET	CHROME PLATED	1/2		3	20		
F-2	DITTO	DITTO	3/4			25		
F-3	DITTO FOR IRRIGATION	DITTO	3/4	VALVE-BOX, W/KEY	15	25		
FD-1	FLOOR DRAIN	CAST IRON		WASTE FITTING	10		50	
FD-2	DITTO	DITTO		DITTO	1		75	
LWP-1	LIFT WATER PUMP CENTRIFUGAL-TYPE	65-50x550 (ϕ, L/min, mH, KW) x24 x 3.7						
LWP-2	DITTO	50-40x250 (ϕ, L/min, mH, KW) x24 x 2.2			1			

NOTES : PIPING

1. GALVANIZED STEEL PIPES FOR POTABLE WATER, VENT AND DRAIN

SIZE NOMINAL	15	20	25	32	40	50	65	80	100	125	150	REMARKS
OUTSIDE DIAMETER	21.7	27.2	34.0	42.7	48.6	60.5	76.3	89.1	114.3	139.8	165.2	SCREW-JOINTED
WALL THICKNESS	2.8	2.8	3.2	3.5	3.5	3.8	4.2	4.2	4.5	4.5	4.5	

FITTINGS SHALL COMPLY WITH THE PIPE MATERIAL.

2. CAST IRON PIPE FOR SOIL AND SEWER

SIZE NOMINAL	50	75	100	125	150	200			REMARKS
OUTSIDE DIAMETER	59	84	109	134	159	212			ONE TOUCH JOINT-TYPE
WALL THICKNESS	4.5	4.5	4.5	4.5	4.5	6.0			

FITTINGS SHALL COMPLY WITH THE PIPE MATERIAL.

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NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

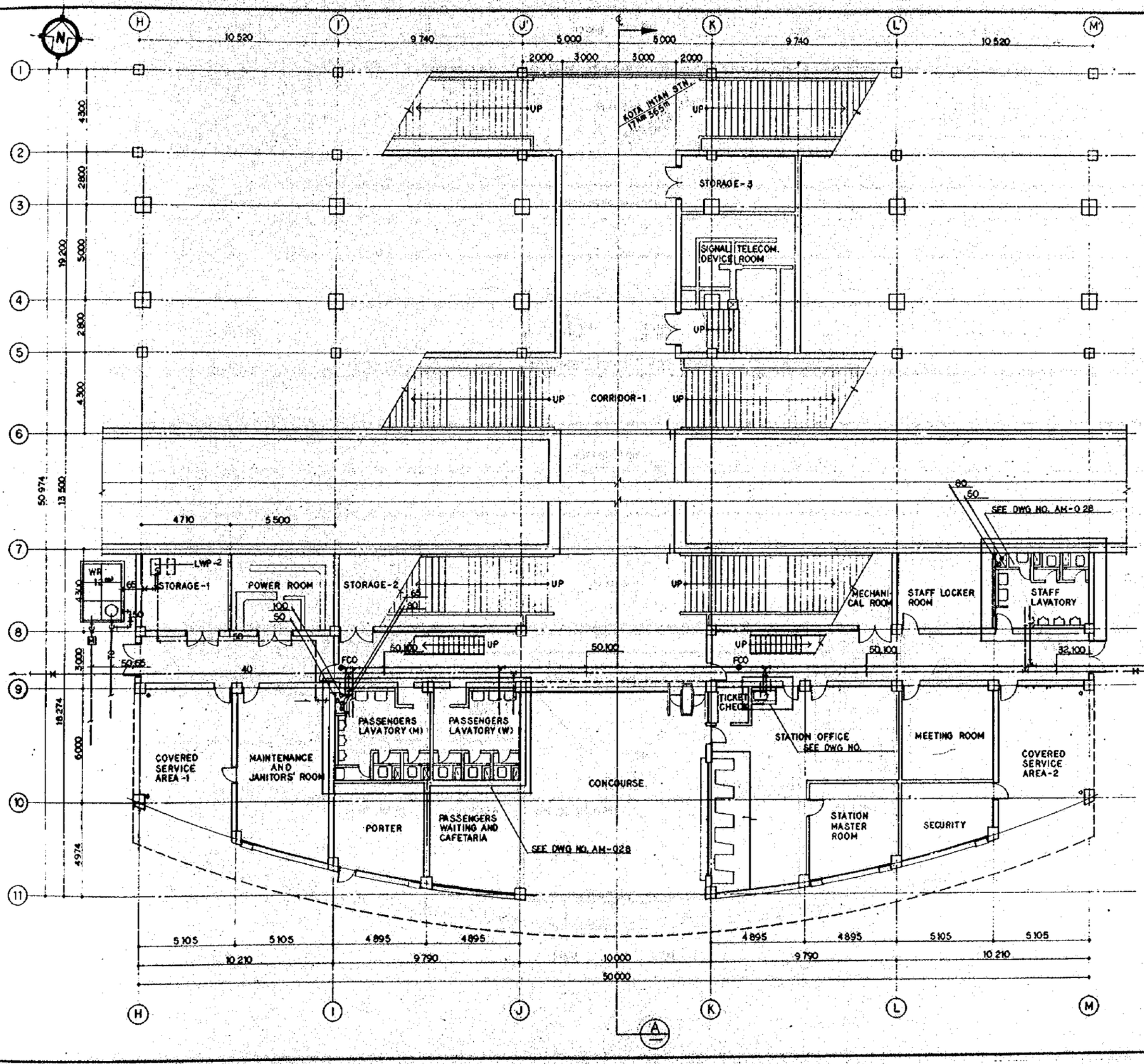
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1986 '89				K.M	
A	FEB. 89				K.M	

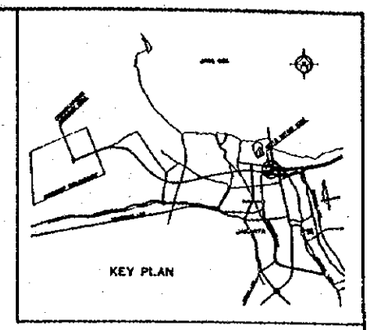
KOTA INTAN STATION
PLUMBING
GENERAL NOTES AND APPARATUS SCHEDULE

PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK

SCALE: NONE

DRAWING NO: AM - 020





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NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

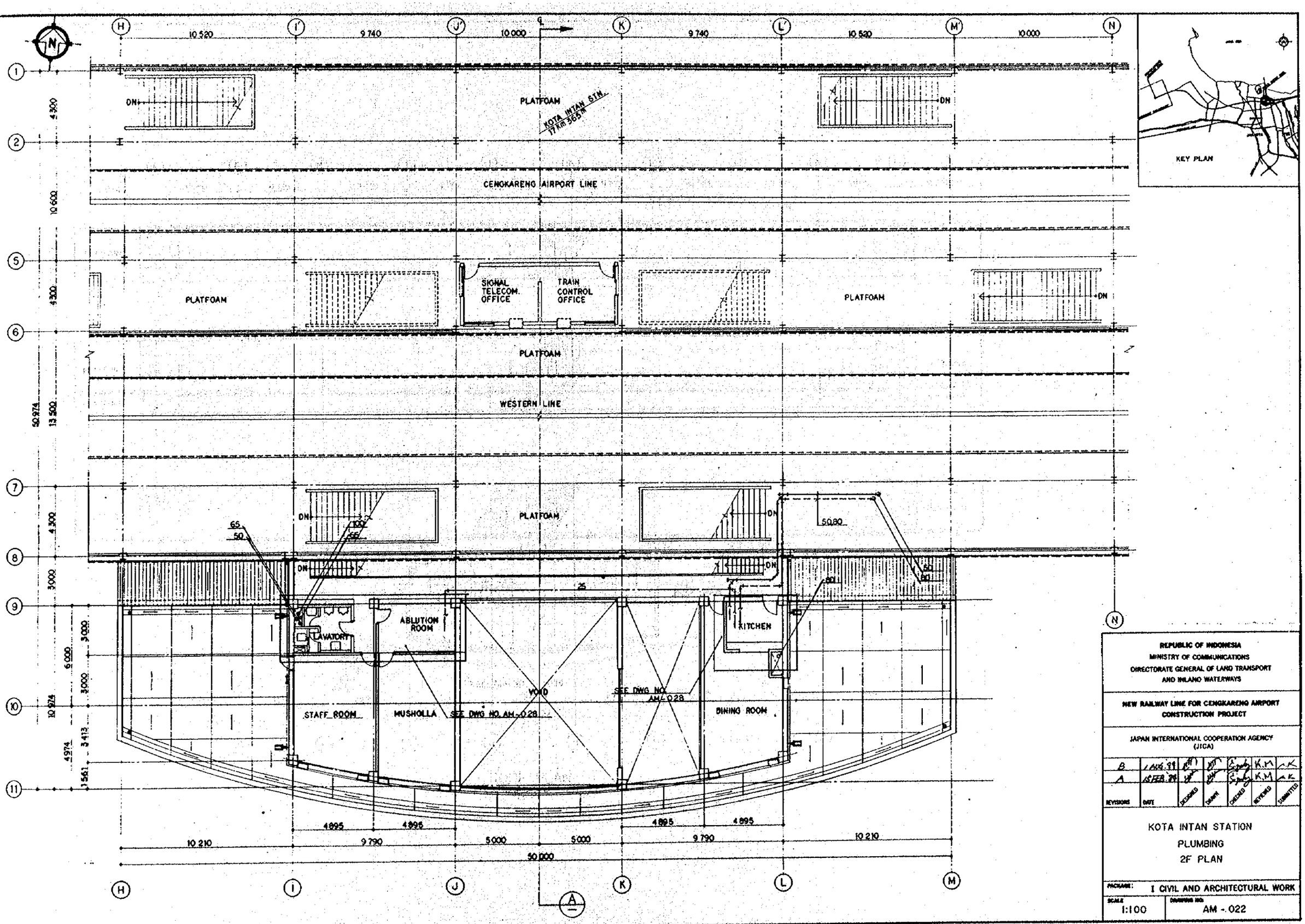
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. 94				K.M	
A	6 FEB. 94				K.M	

KOTA INTAN STATION
PLUMBING
IF PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:100

DRAWING NO: AM - 021



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NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

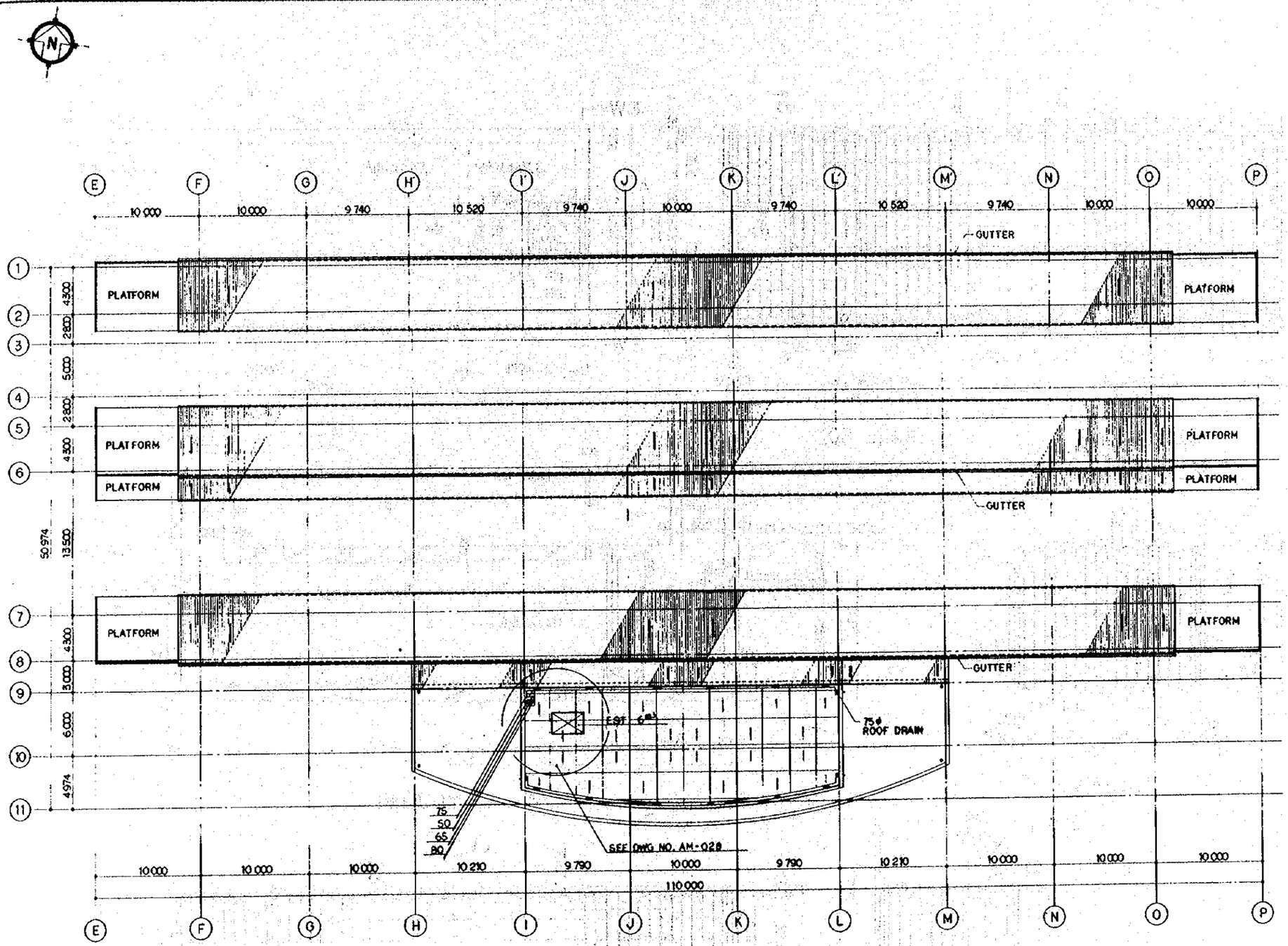
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	RETURNED	SUBMITTED
B	14 MAR. 11				K.M	A.K
A	15 FEB. 11				K.M	A.K

KOTA INTAN STATION
PLUMBING
2F PLAN

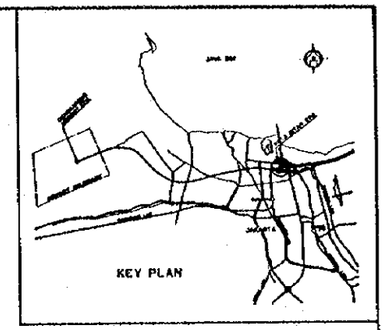
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:100

DRAWING NO. AM - 022



ROOF PLAN
SCALE 1:200



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AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

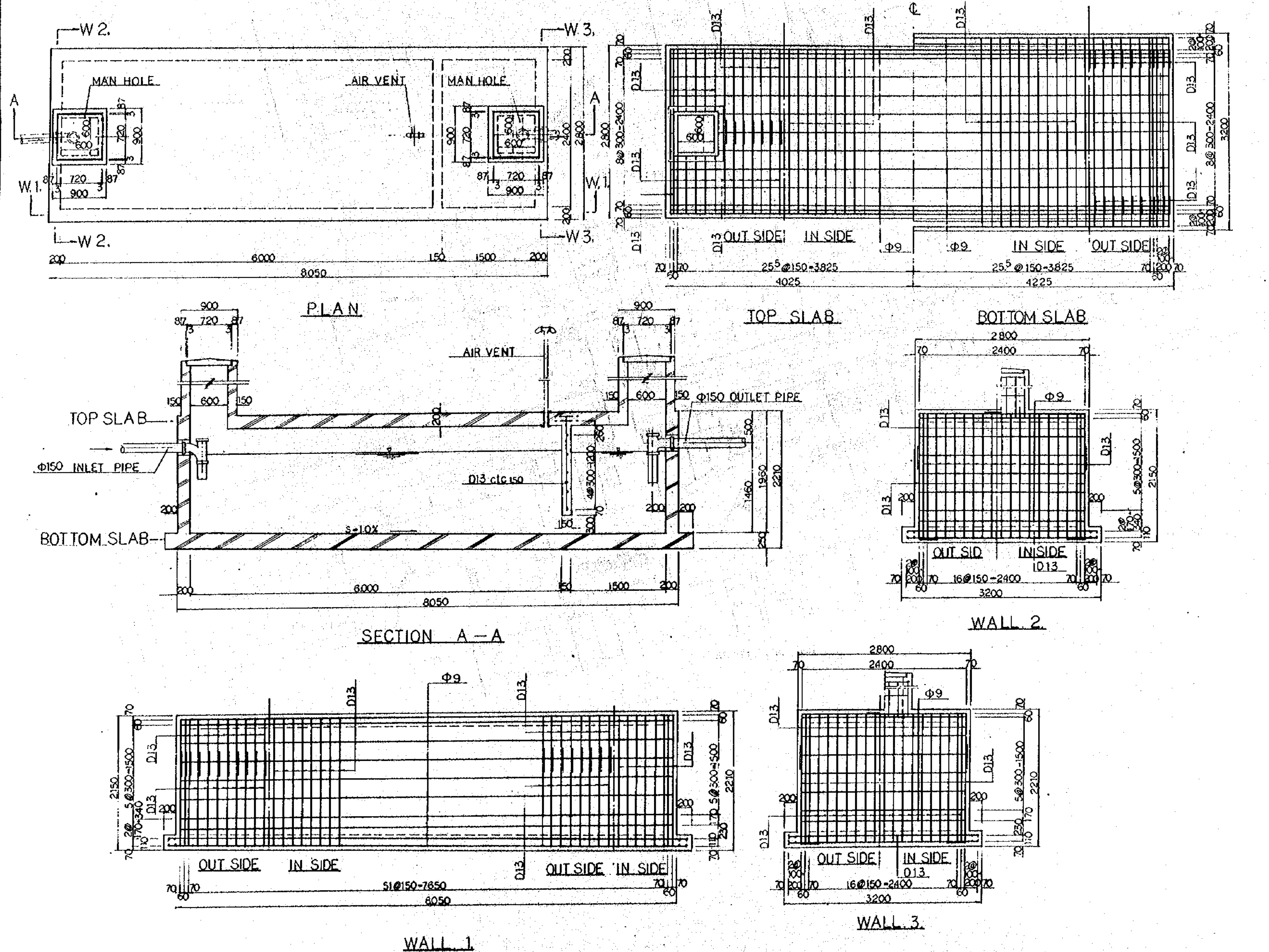
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	14 AUG 89				K.M	
A	6 FEB 89				K.M	

KOTA INTAN STATION
PLUMBING
RF PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:200

DRAWING NO: AM - 023



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AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

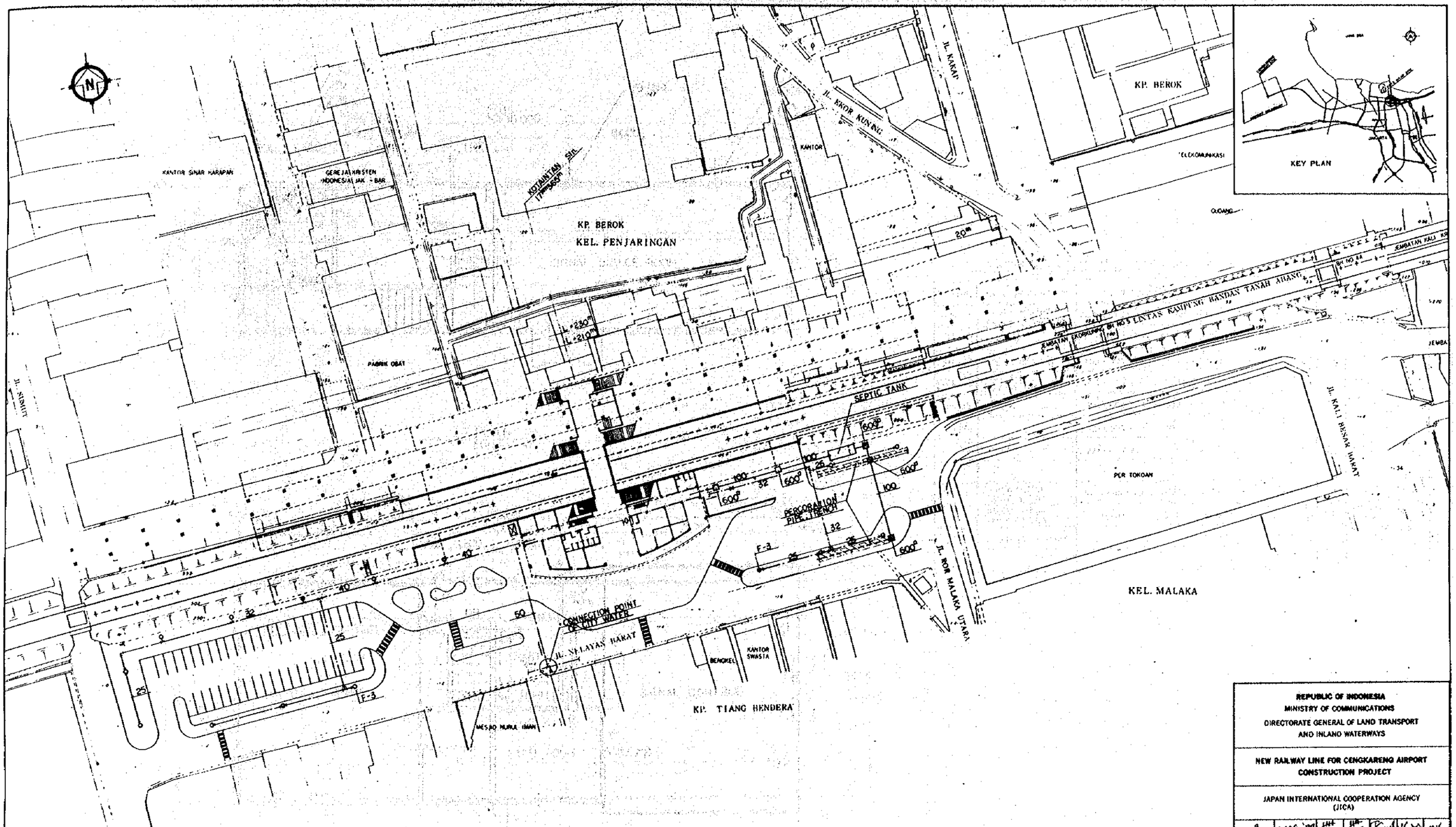
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. '84				K.M	
A	15 FEB. '84				K.M	

KOTA INTAN STATION
PLUMBING
SEPTIC TANK

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:30

DRAWING NO: AM - 024



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AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

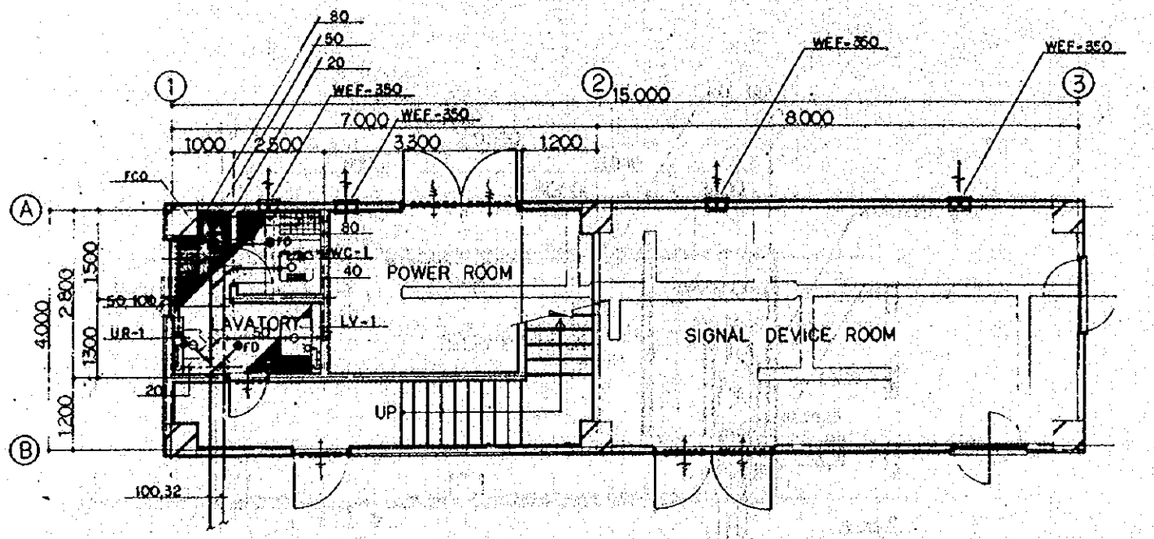
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1409.'99				K.M	
A	15FEB.'99				K.M	

KOTA INTAN STATION
GENERAL SITE PLAN OF PLUMBING AND IRRIGATION SYSTEM

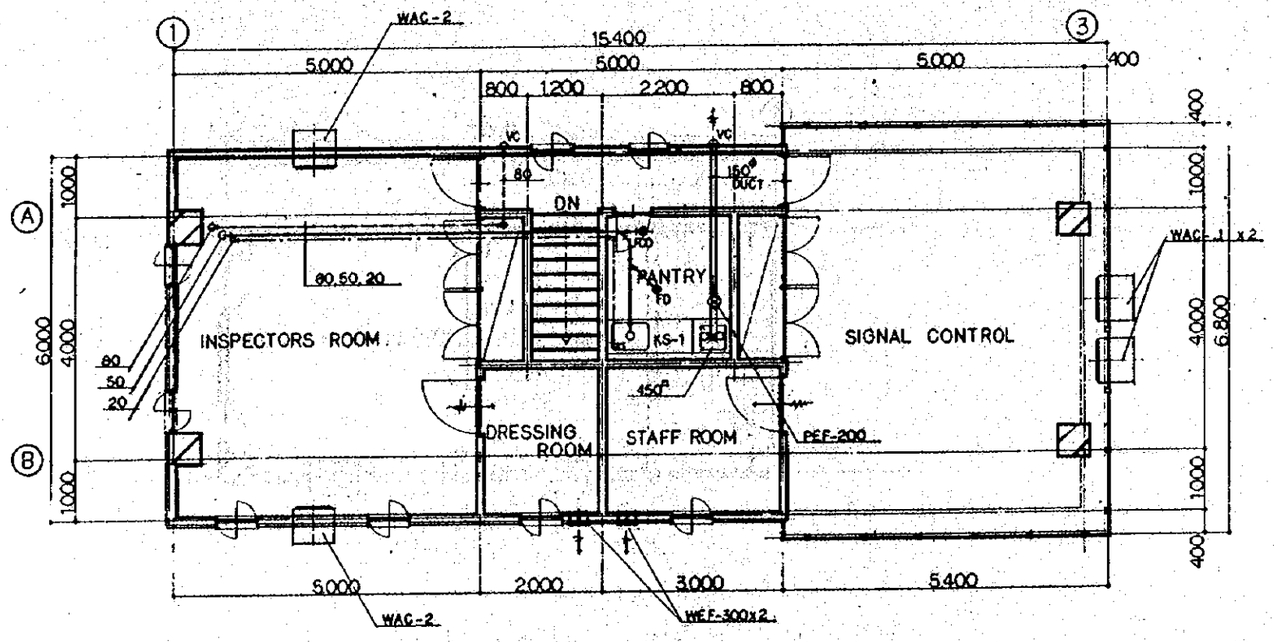
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:500

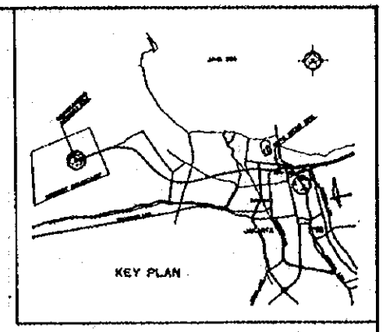
DRAWING NO. AM - 025



1F PLAN
SCALE 1:50



2F PLAN
SCALE 1:50



SCHEDULE OF VAC AND PLUMBING EQUIPMENT

SYMBOL	NAME OF EQUIPMENT	SPECIFICATION	QTY	REMARKS
WAC-1	WINDOW MOUNTED ROOM AIR CONDITIONER	CAP: 1.9RT x 3.4KW x 220V x 1Φ, APPROX: 650W x 420H x 760D	2	W/COOLER FRAME
〃 -2	DITTO	〃 : 14' x 2.3'x 〃 x 〃, 〃 : 650x420x650	2	DITTO
PEF-200	PIPE EXHAUST FAN	200ϕ x 300 cmm/Hr x 10 mmAq x 75 W x (220V x 1Φ)	1	HS, VC
WEF-250	WALL-TYPE EXHAUST FAN	250 x 300 x 6' x 25'x (DITTO)		EAG
〃 -300	DITTO	300 x 600 x 8' x 60'x (〃)	2	DITTO
〃 -350	〃	350 x 850 x 8' x 100'x (〃)	4	〃
〃 -400	〃	400 x 1300 x 8' x 200'x (〃)		〃
WC-1	WATER CLOSET EASTERN TYPE	VITREOUS CHINA, APPROX : 280x570x300H	1	W/P-TRAP, F-2
UR-1	URINAL, FLOOR MOUNTED TYPE	DITTO , DITTO : 380x380x920H	1	W/FLUSH VALVE, INLET SPUD
LV-1	LAVATORY, WALL-HUNG	〃 , 〃 : 530x430	1	W/F-1, P-TRAP, SHUT OFF VALVE

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

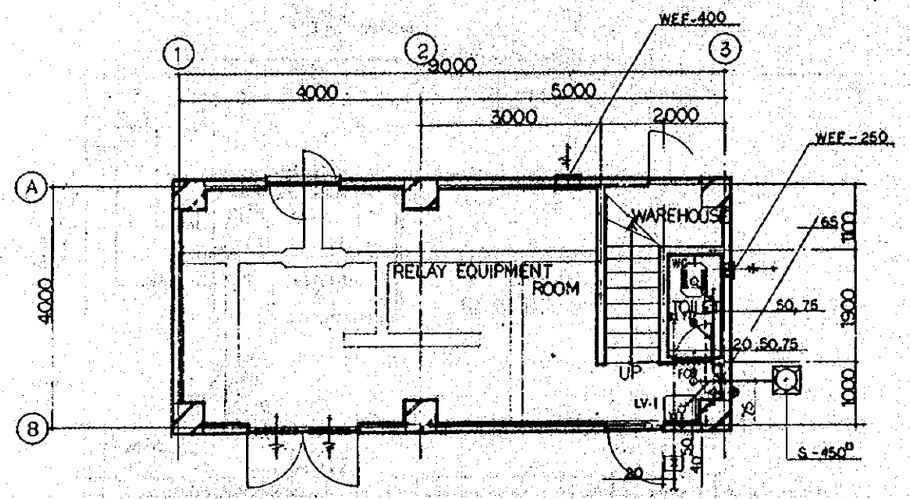
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
	1 AUG. 89				K.M	
A	16 FEB. 90				K.M	

SIGNAL CABIN A
VAC AND PLUMBING
1F, 2F PLAN AND
APPARATUS SCHEDULE

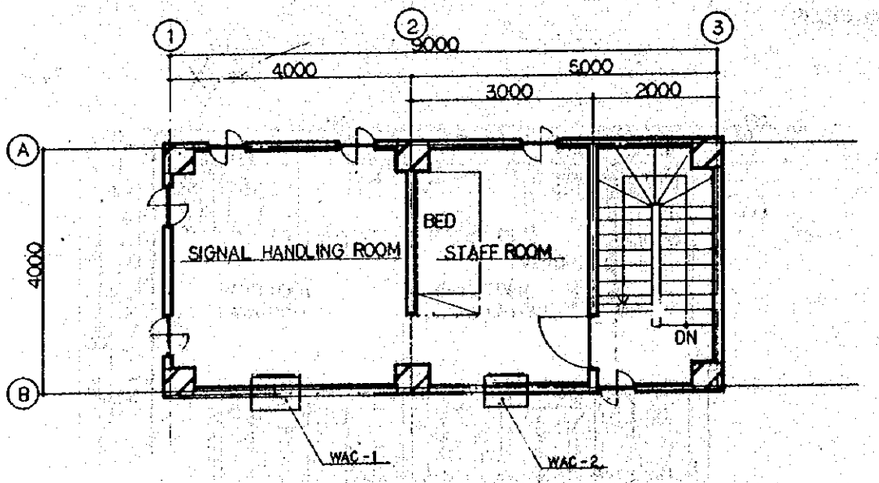
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:50

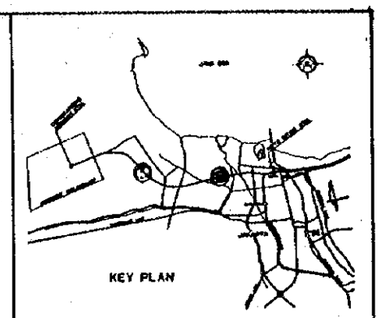
DRAWING NO: AM - 026



1F PLAN
SCALE 150



2F PLAN
SCALE 150



SCHEDULE OF VAC AND PLUMBING EQUIPMENT

SYMBOL	NAME OF EQUIPMENT	SPECIFICATION	QTY	REMARKS
WAC-1	WINDOW MOUNTED ROOM AIR CONDITIONER	CAP: 1.9^{PK} x 3,4^{KW} x 220^{V} x 1$^{\phi}$, APPROX: 650^{W} x 420^{H} x 760^{D}	1	W/COOLER FRAME
〃 -2	DITTO	〃 : 14^{t} x 2,3^{t}x 〃 x〃, 〃 : 650x420x660	1	DITTO
PEF-200	PIPE EXHAUST FAN	$^{\phi}$ m³/hr inmaq ^{W} 200x 300x 10 x 75 x (220^{V} x 1$^{\phi}$)		HS, VG
WEF-250	WALL-TYPE EXHAUST FAN	25$^{\phi}$ x 30$^{\phi}$ x 6^{t} x 25^{t}x (DITTO)		EAG
〃 -300	DITTO	30$^{\phi}$ x 60$^{\phi}$ x 8^{t} x 50^{t}x (〃)		DITTO
〃 -350	〃	35$^{\phi}$ x 85$^{\phi}$ x 8^{t} x 100^{t}x (〃)		〃
〃 -400	〃	40$^{\phi}$ x 130$^{\phi}$ x 8^{t} x 200^{t}x (〃)	1	〃
WC-1	WATER CLOSET EASTERN TYPE	VITREOUS CHINA , APPROX : 280x570x300^{H}	1	W/P-TRAP, F-2
UR-1	URINAL, FLOOR MOUNTED TYPE	DITTO , DITTO : 380x380x920^{H}		W/FLUSH VALVE, INLET SPUD
LV-1	LAVATORY, WALL-HUNG	〃 , 〃 : 530x430	1	W/F-1, P-TRAP, SHUT OFF VALVE

REPUBLIC OF INDONESIA
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DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

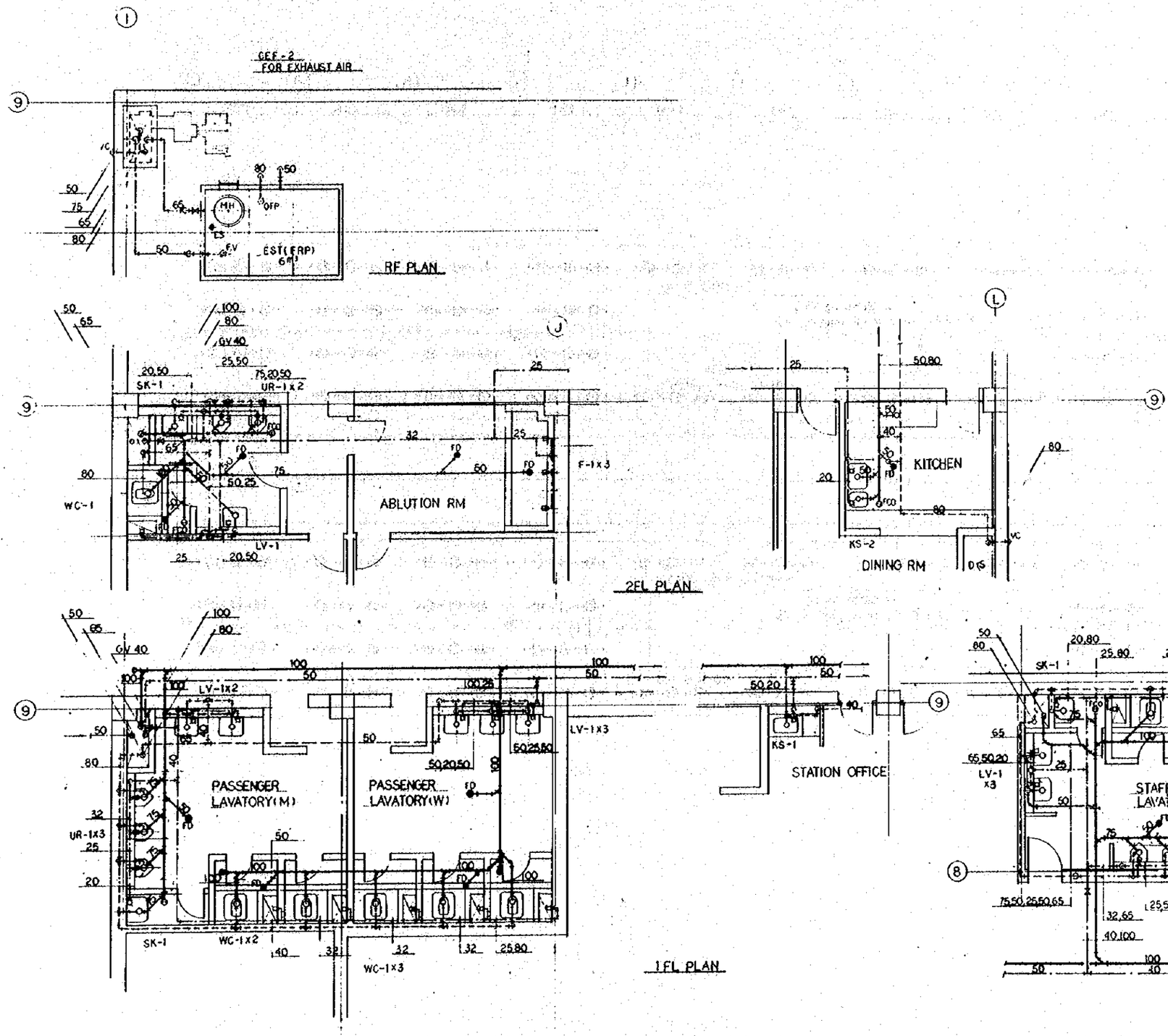
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. '89				K.M	
A	6 FEB. '89				K.M	

SIGNAL CABIN B
VENTILATION AND PLUMBING
1F, 2F PLAN AND
APPARATUS SCHEDULE

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:50

DRAWING NO: AM - 027



REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
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NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

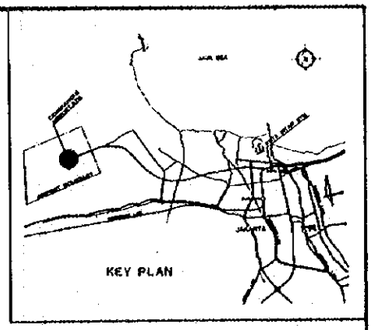
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	14/09/'84				K.M	
A	15/FEB/'84				K.M	

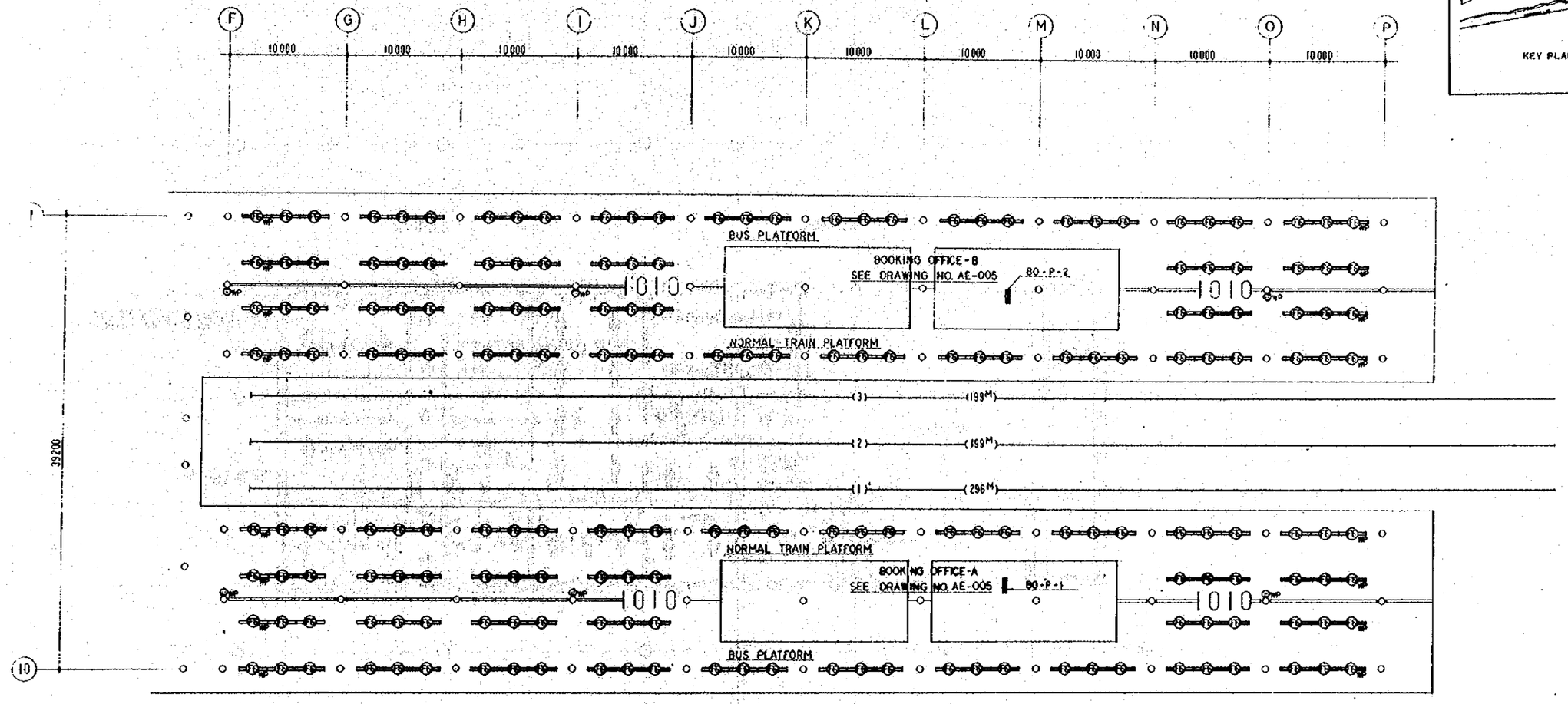
KOTA INTAN STATION
PLUMBING
DETAIL PLAN

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:50

DRAWING NO. AM - 028





REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
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AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

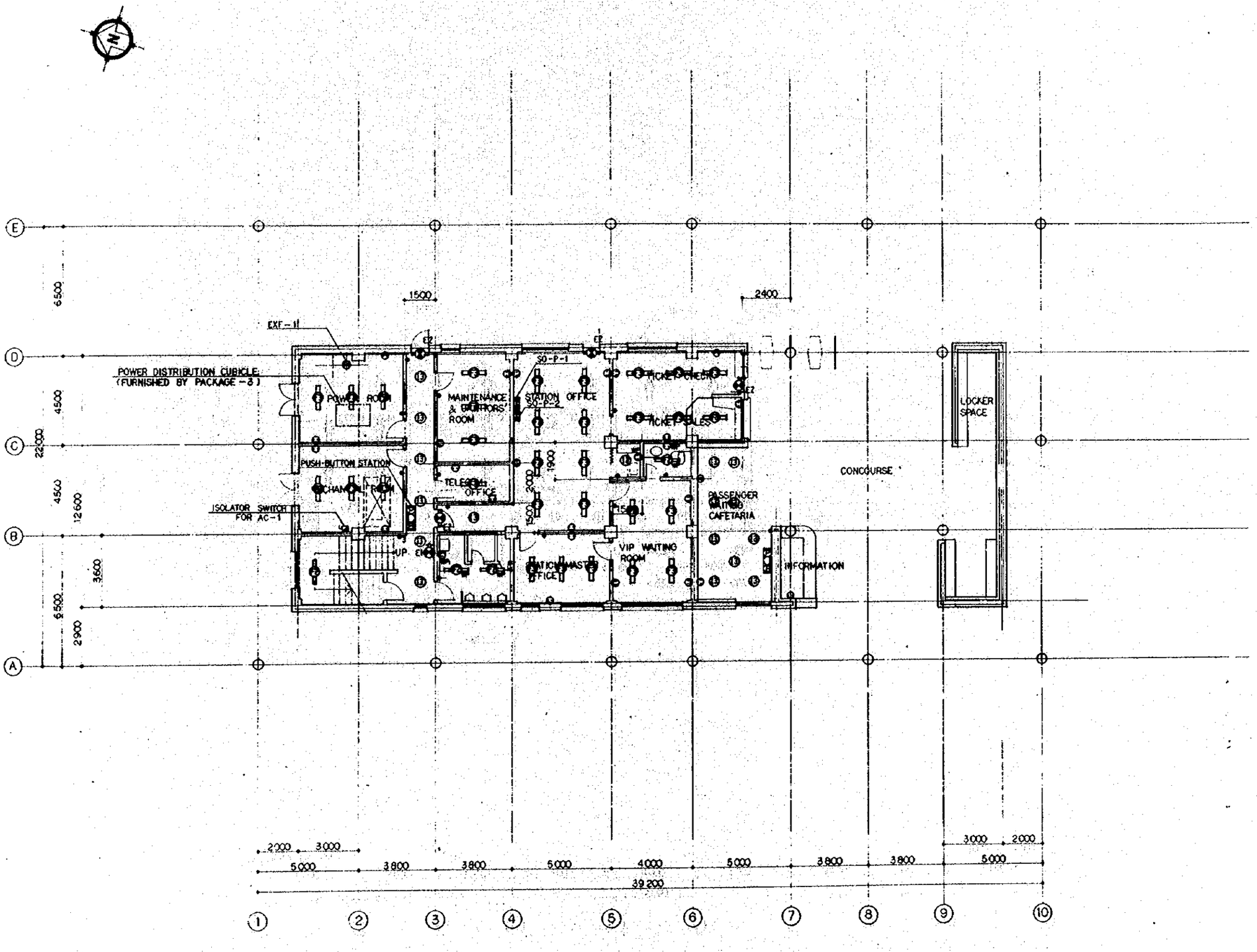
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 MAR 89	E.I	E.I	T.S	K.M	M.K
A	15 FEB 89	E.I	E.I	E.I	K.M	M.K

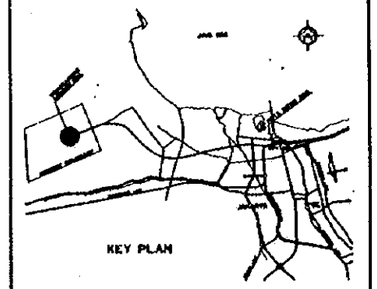
AIRPORT TERMINAL STATION PLATFORM LIGHTING AND RECEPTACLE SYSTEM

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:200

DRAWING NO. AE - 001





NOTES

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REPUBLIC OF INDONESIA
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NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

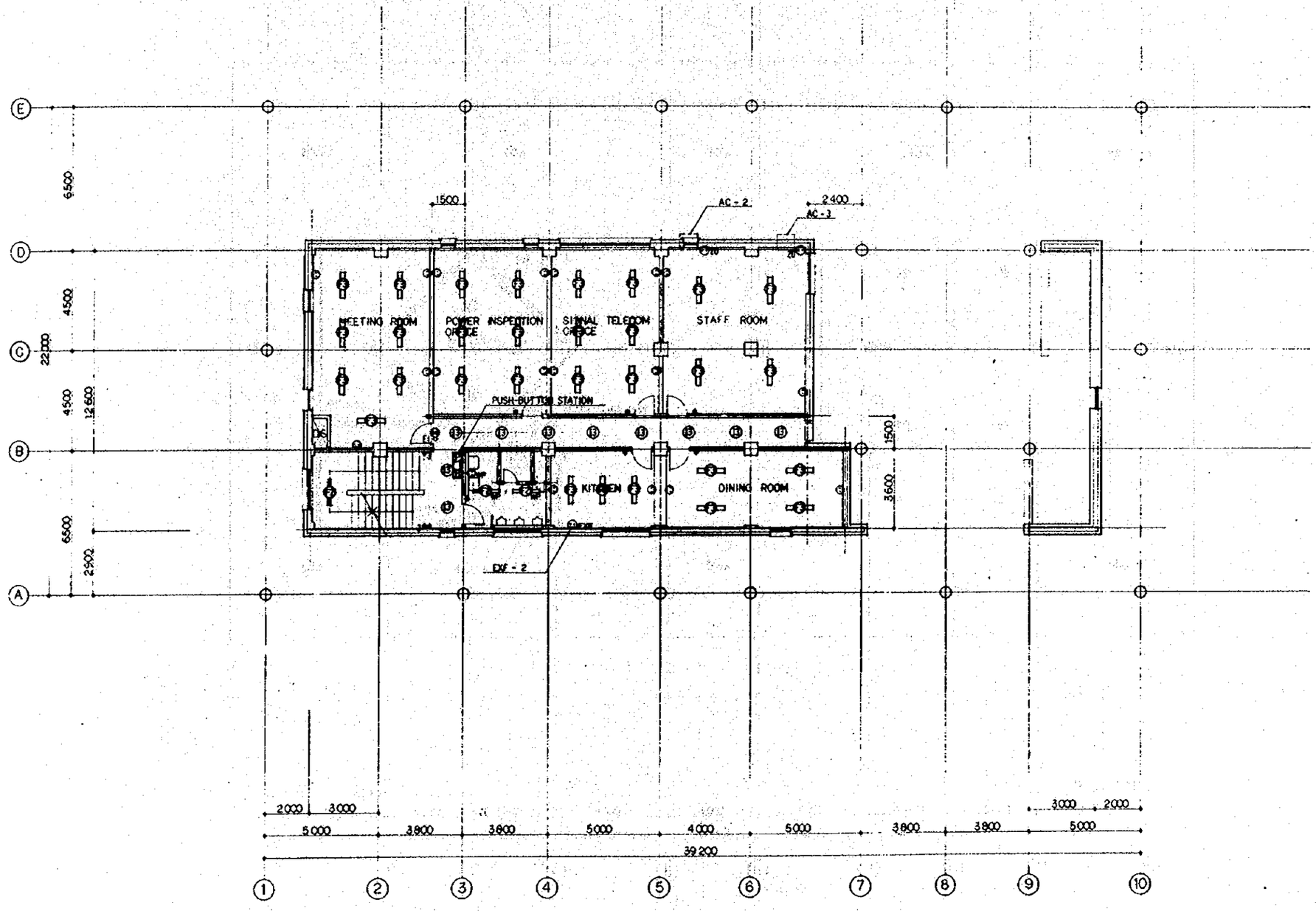
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1.10.89	E.T	E.T	Sup-b	K.M	m.K
A	4.8.89	S.T	S.T	Sup-b	K.M	m.K

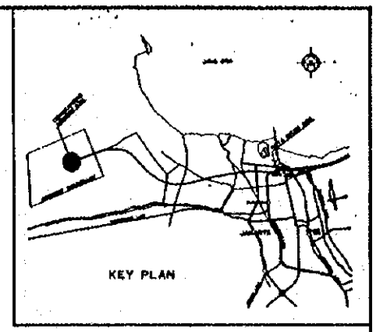
TERMINAL BLDG.
I F
LIGHTING AND RECEPTACLE SYSTEM

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:100

DRAWING NO. AE - 002





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NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

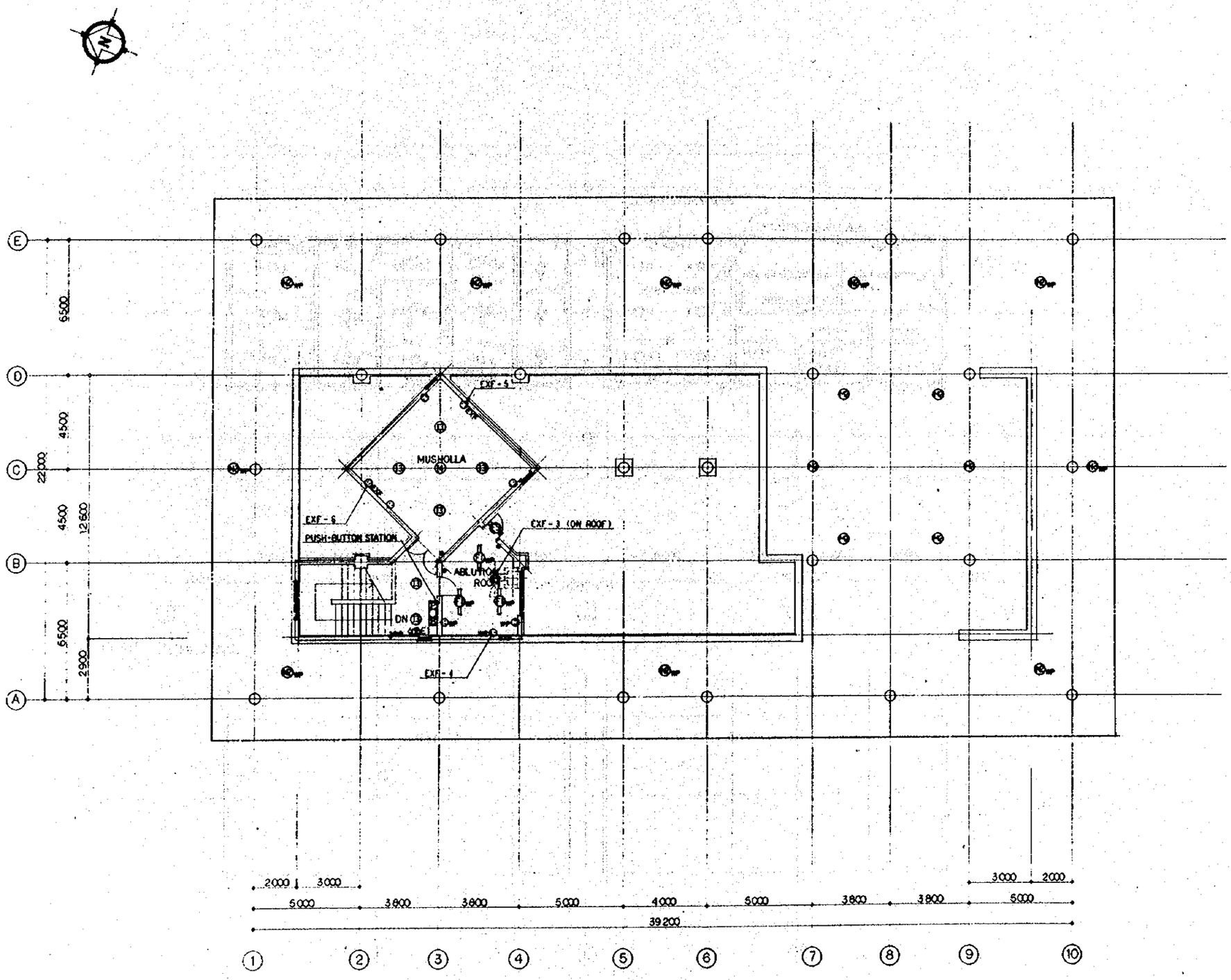
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	RECEIVED	SUBMITTED
B	1.09.'99	E.T	E.T	[illegible]	K.M	[illegible]
A	6.08.'99	E.T	E.T	[illegible]	K.M	[illegible]

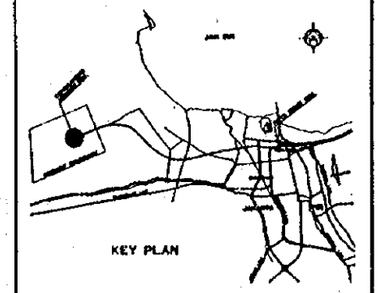
TERMINAL BLDG.
2F
LIGHTING AND RECEPTACLE SYSTEM

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:100

DRAWING NO. AE - 003





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NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

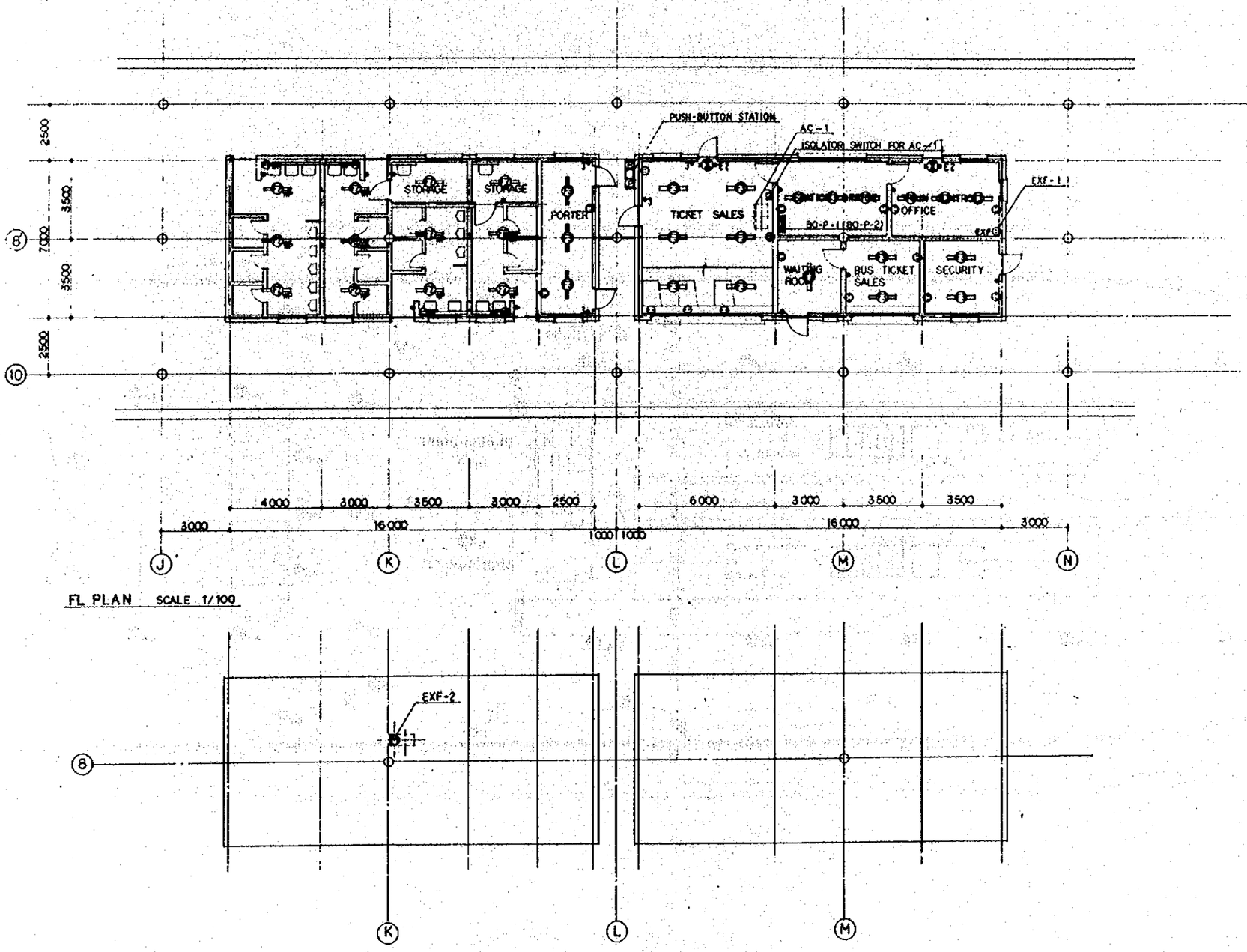
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. 89	E.T	E.T	[illegible]	K.M	[illegible]
A	15 FEB. 89	E.T	E.T	[illegible]	K.M	[illegible]

TERMINAL BLDG.
3F
LIGHTING AND RECEPTACLE SYSTEM

PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK

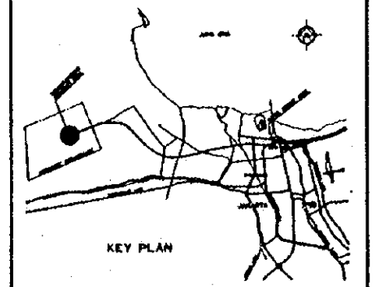
SCALE: 1:100

DRAWING NO: AE - 004



FL PLAN SCALE 1/100

RF PLAN SCALE 1/100



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DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. 94	S.T	S.T	[illegible]	K.M	[illegible]
A	4 FEB. 94	S.T	S.T	[illegible]	K.M	[illegible]

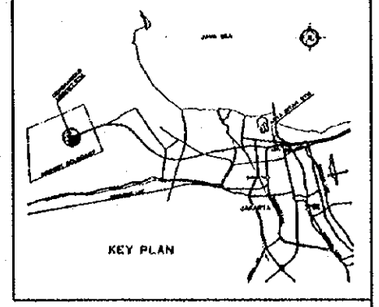
BOOKING OFFICE

LIGHTING AND RECEPTACLE SYSTEM

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:100

DRAWING NO. AE - 005



GUIDE SIGN BOARD

GUIDE SIGN BOARD

CONTROL PANEL FOR LIFT PUMP

TERMINAL BUILDING

BUS PLATFORM

TRAIN PLATFORM

BOOKING OFFICE-B

TRAIN PLATFORM

BUS PLATFORM

BOOKING OFFICE-A

SIGNAL CABIN-A

DUMP YARD

H1 H2 H3 H4 H5

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 89	E.T	E.T	[illegible]	K.M	[illegible]
A	15 FEB 89	E.T	E.T	[illegible]	K.M	[illegible]

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

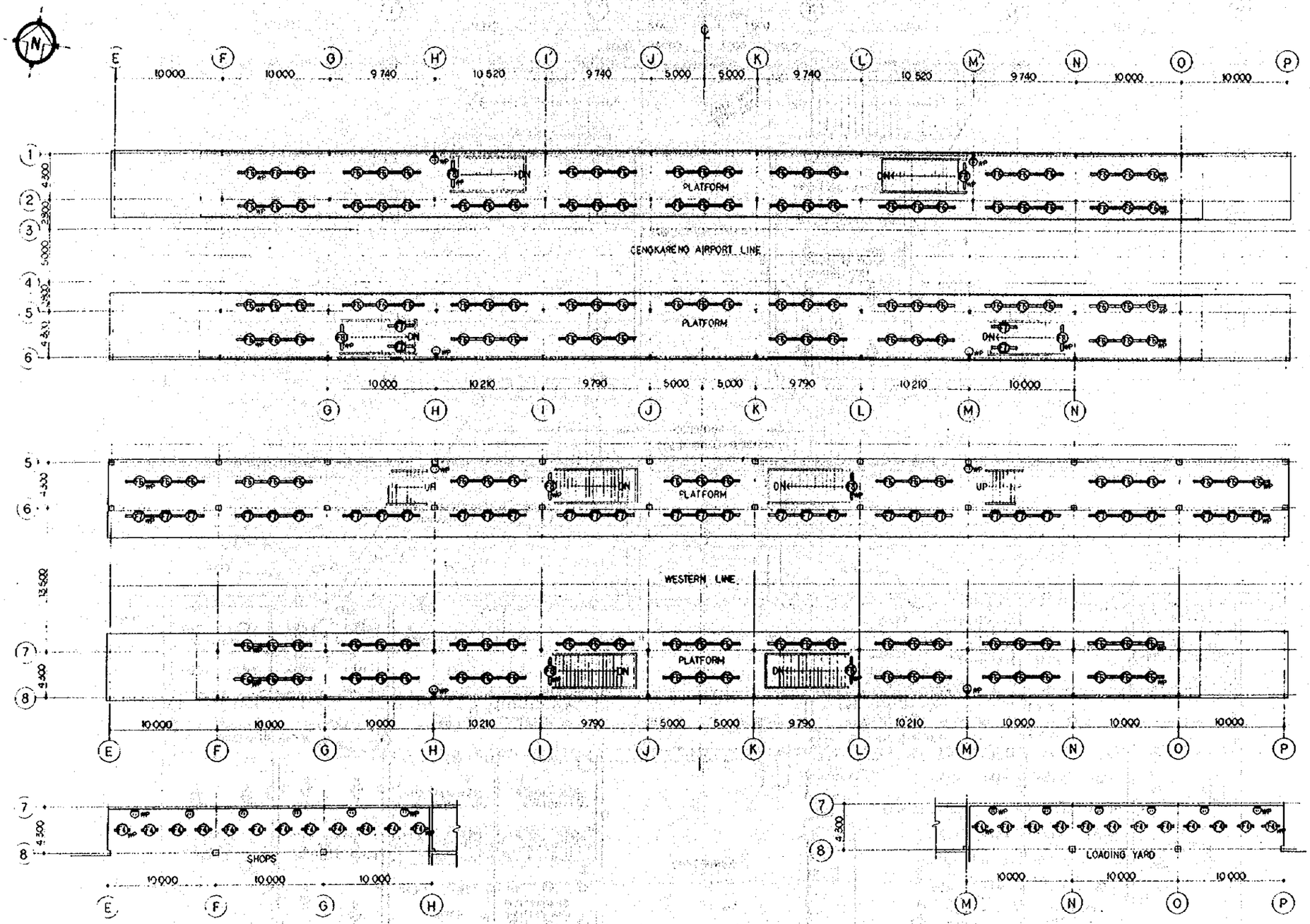
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

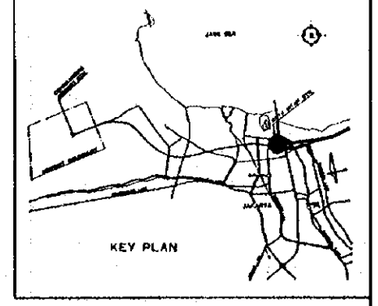
AIRPORT TERMINAL STATION
STATION PLAZA
LIGHTING AND RECEPTACLE SYSTEM

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:500

DRAWING NO.: AE - 006





REPUBLIC OF INDONESIA
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AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

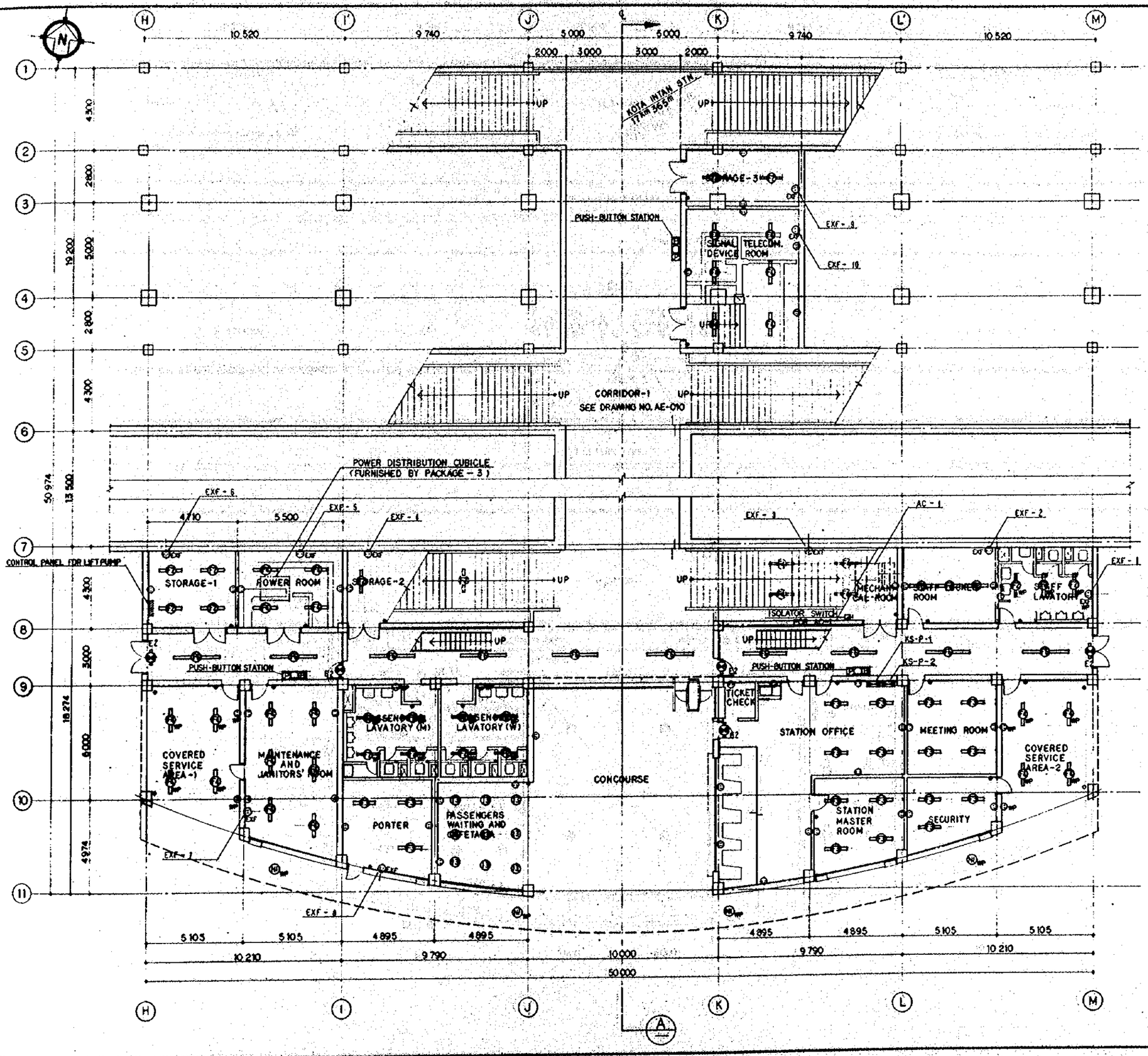
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 NOV. 89	E.T	E.T	[illegible]	K.M	[illegible]
A	6 FEB. 89	E.T	E.T	[illegible]	K.M	[illegible]

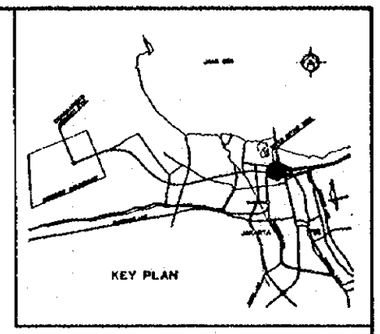
KOTA INTAN STATION
PLATFORM
LIGHTING AND RECEPTACLE SYSTEM

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:200

DRAWING NO.: AE - 007





NOTES

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REPUBLIC OF INDONESIA
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NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

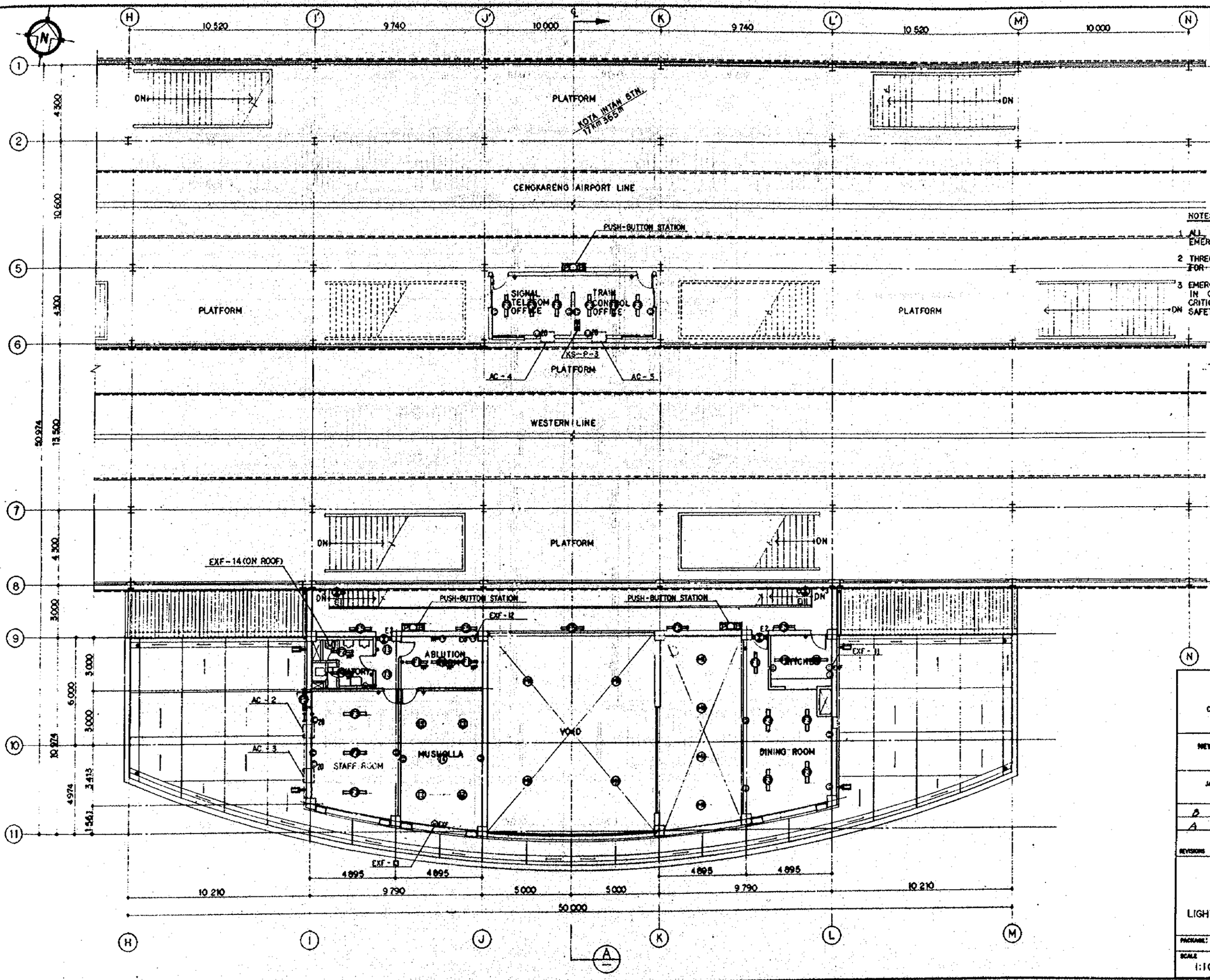
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 89	S.T	S.T		K.M	A.K
A	4 FEB 89	S.T	S.T		K.M	A.K

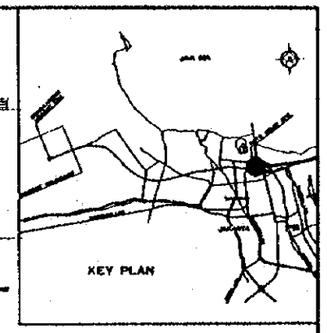
KOTA INTAN STATION
1 F
LIGHTING AND RECEPTACLE SYSTEM

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:100

DRAWING NO. AE - 008





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NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

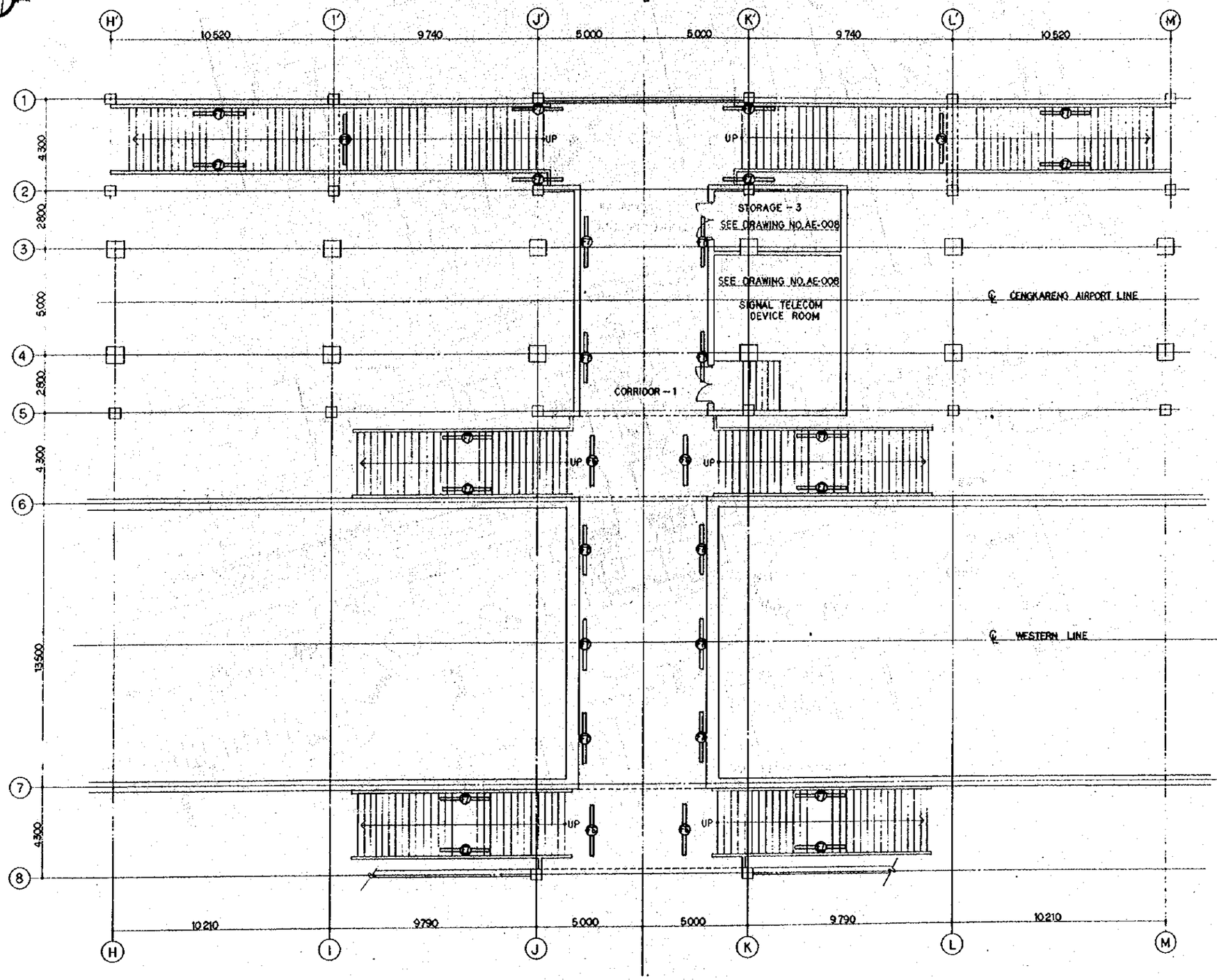
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1.009.89	E.T	E.T	[illegible]	K.M	[illegible]
A	15.08.89	E.T	E.T	[illegible]	K.M	[illegible]

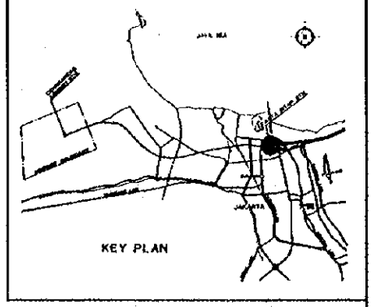
KOTA INTAN STATION
2F
LIGHTING AND RECEPTACLE SYSTEM

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:100

DRAWING NO. AE - 009





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AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

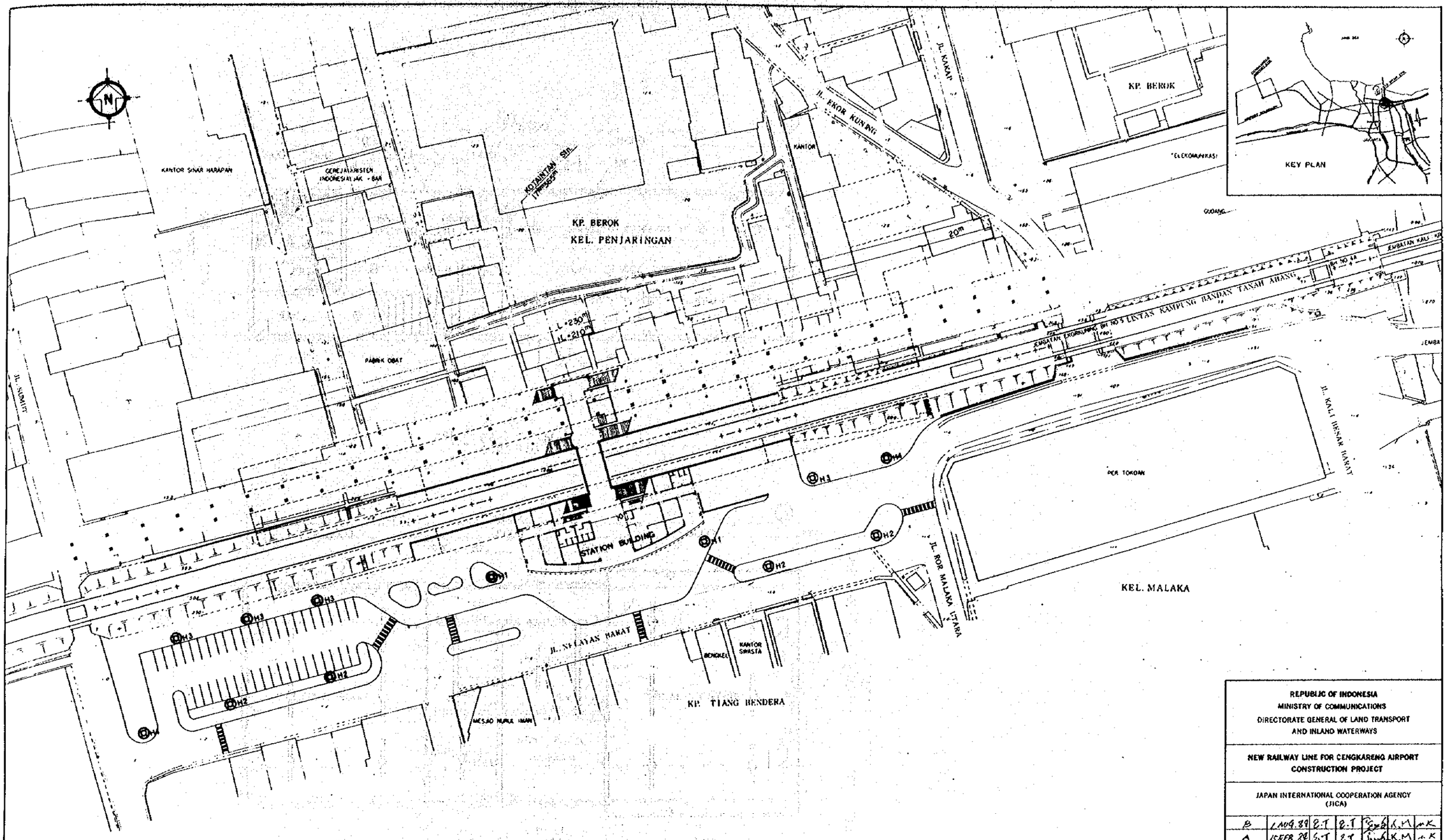
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1.AUG.89	E.T	E.T	[illegible]	K.M	[illegible]
A	15FEB.89	E.T	E.T	[illegible]	K.M	[illegible]

KOTA INTAN STATION
CORRIDOR
LIGHTING AND RECEPTACLE SYSTEM

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:100

DRAWING NO: AE - 010



REPUBLIC OF INDONESIA
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AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

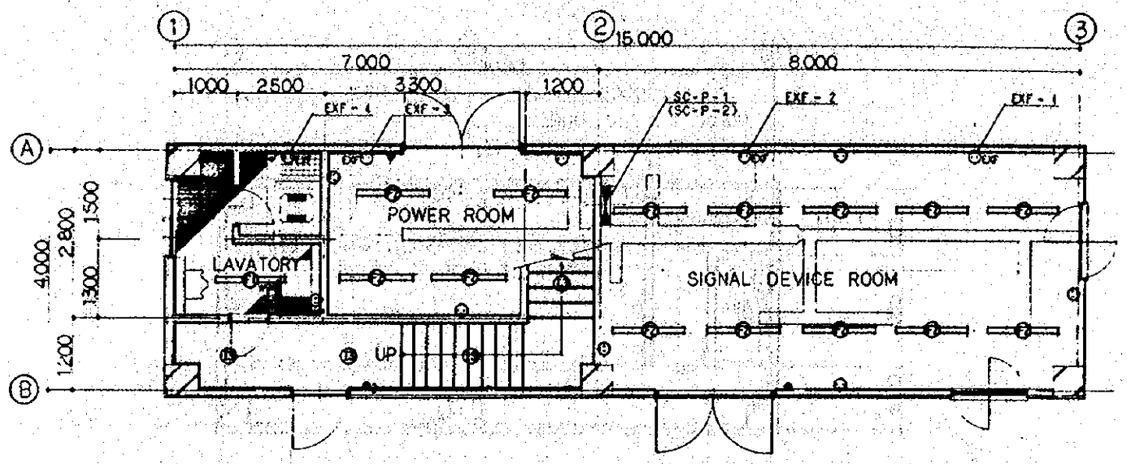
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1AUG.89	S.T	S.T	[illegible]	K.M	A.K
A	15FEB.89	S.T	S.T	[illegible]	K.M	A.K

KOTA INTAN STATION
STATION PLAZA
LIGHTING AND RECEPTACLE SYSTEM

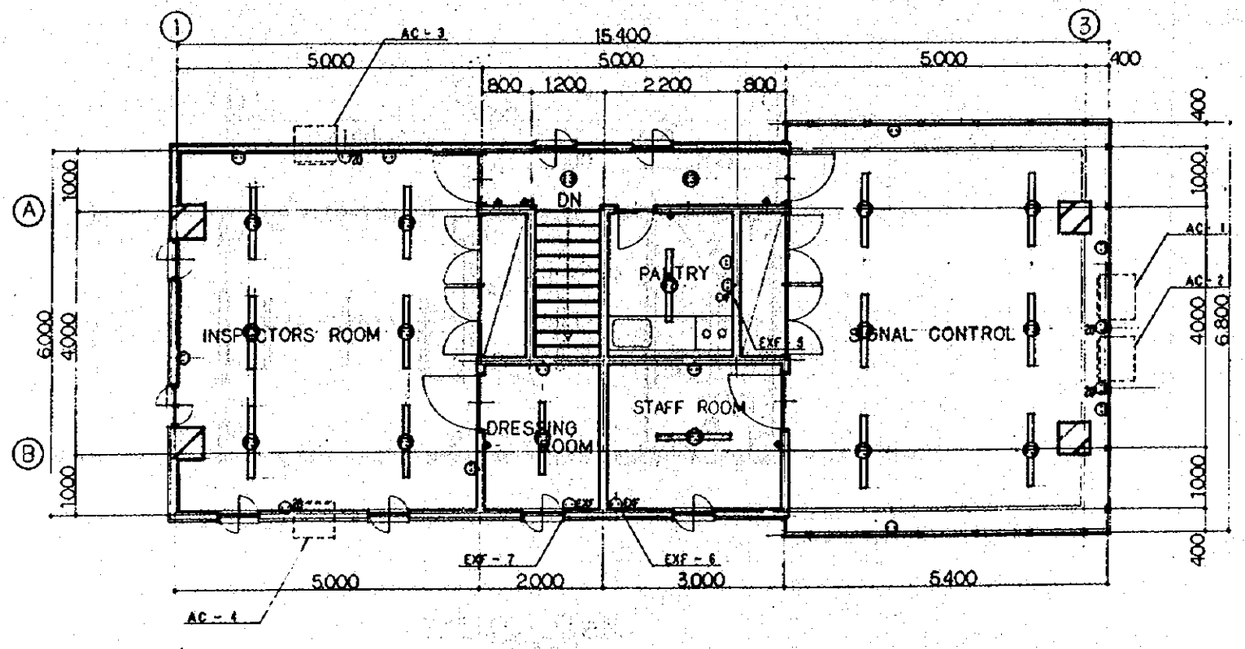
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:500

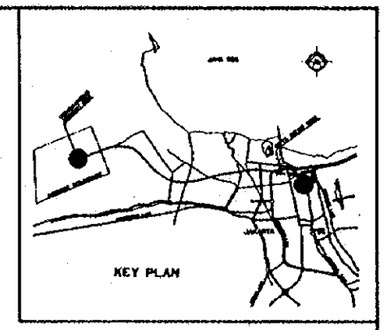
DRAWING NO. AE - 011



1st FLOOR PLAN
SCALE 1:50



2nd FLOOR PLAN
SCALE 1:50



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REPUBLIC OF INDONESIA
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AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	14 APR. 97	E.I	E.I	[illegible]	K.M	[illegible]
A	17 FEB. 97	E.I	E.I	[illegible]	K.M	[illegible]

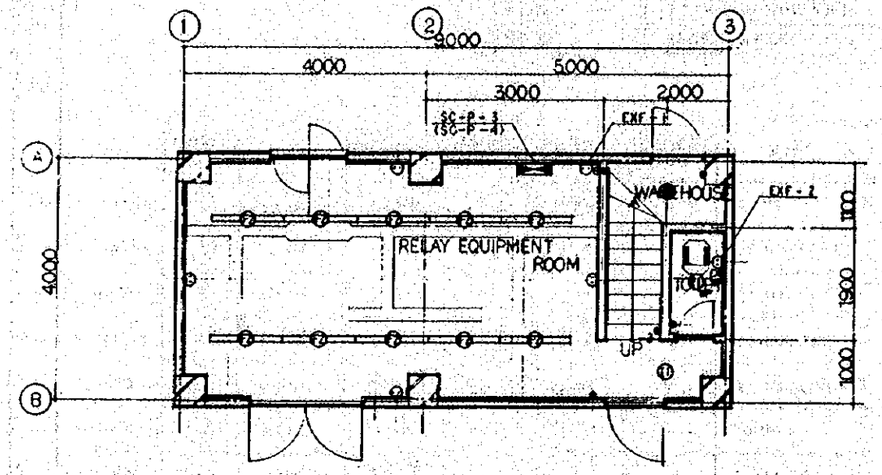
SIGNAL CABIN A

LIGHTING AND RECEPTACLE SYSTEM

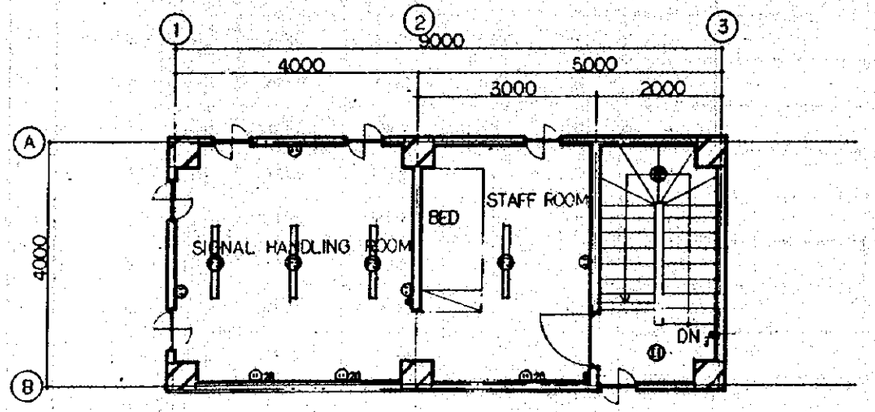
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:50

DRAWING NO: AE - 012

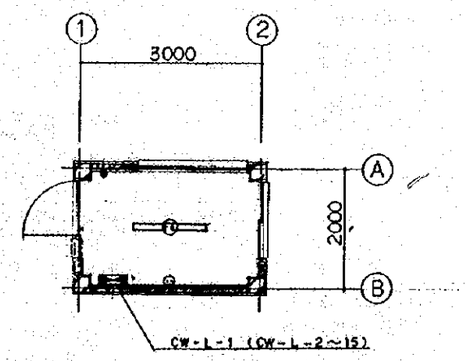


1st FLOOR PLAN
SCALE 1:50

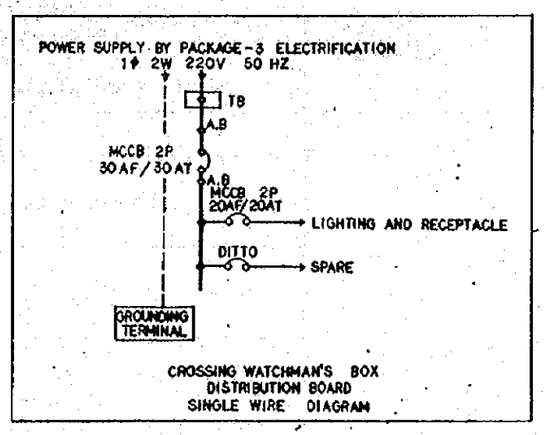


2nd FLOOR PLAN
SCALE 1:50

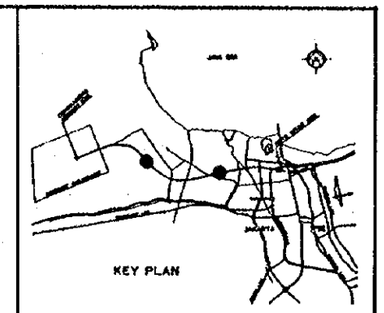
SIGNAL CABIN B



CROSSING WATCHMAN'S BOX
PLAN SCALE 1:50



CROSSING WATCHMAN'S BOX
DISTRIBUTION BOARD
SINGLE WIRE DIAGRAM



NOTES

1 ALL STAIRCASES SHALL HAVE NORMAL AND EMERGENCY LIGHTING.

2 THREE WAY SWITCHES SHALL BE USED FOR ALL THE STAIRCASES.

3 EMERGENCY LIGHTING SHALL BE PROVIDED IN OPERATING AREAS, AND ALL OTHER CRITICAL AREAS FOR OPERATING PERSONNEL SAFETY.

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

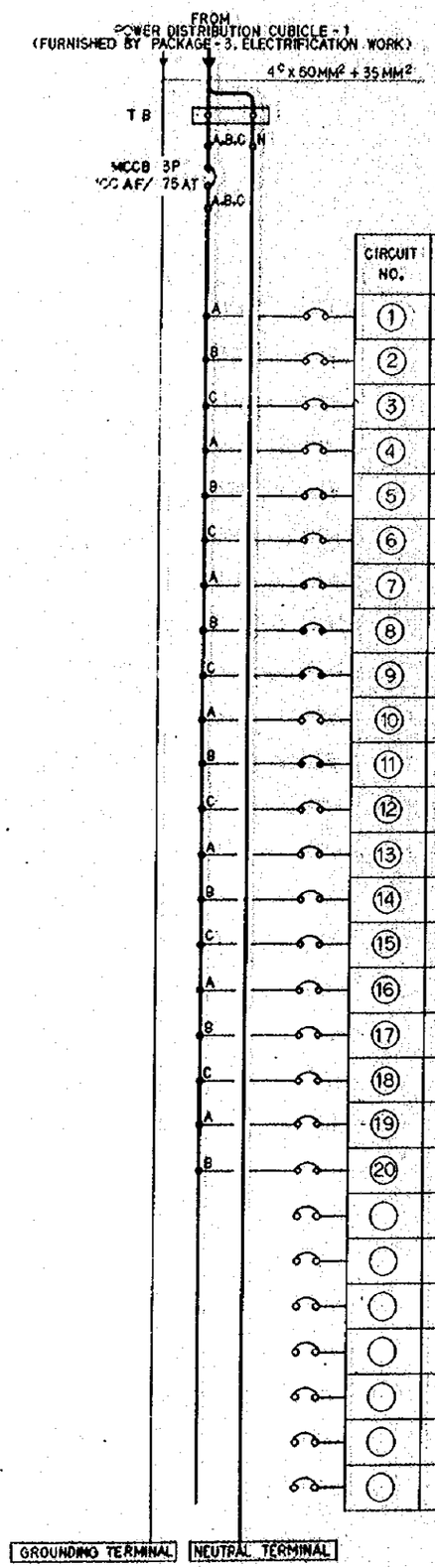
REVISION	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	14.08.'89	E.T	E.T	[illegible]	K.M	[illegible]
A	15.FEB.'89	E.T	E.T	[illegible]	K.M	[illegible]

SIGNAL CABIN B AND CROSSING WATCHMAN'S BOX LIGHTING AND RECEPTACLE SYSTEM

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:50

DRAWING NO. AE - 013



EQUIPMENT NAME	DISTRIBUTION PANEL
EQUIPMENT NO.	50 - P - 1
VOLTAGE	3φ 4W 380/220V 50HZ
LOCATION	STATION OFFICE

PHASE — PHASE OR PHASE — NEUTRAL	LOAD CURRENT (A)	LOAD CAPACITY (VA)
A — N	45,9	10098
B — N	44,0	9676
C — N	39,7	8714
A — B — C	——	——
TOTAL	129,6	28488

CIRCUIT NO.	MCCB	DESCRIPTION	TOTAL LOAD CURRENT(A)	TOTAL LOAD CAPACITY(VA)	WIRE/CABLE (MM²)	Q'TY	AREA
①	1P, 20AF/20AT	LIGHTING	13.1	2880	4	6 (H2)	CONCOURSE
②	DITTO	DITTO	11.0	2408	4	25 (I3, F2, F3)	PASSENGER WAITING AND CAFE, TICKET SALES/CHECK VIP WAITING ROOM, STATION MASTER ROOM STAFF LAVATORY
③	DITTO	DITTO	12.4	2724	4	27 (I3, F2,F3)	STATION OFFICE, MAINTENANCE AND JANITOR'S, TELECOM OFFICE POWER ROOM, MECHANICAL ROOM, CORRIDOR (1FL)
④	DITTO	DITTO	14.9	3276	4	33 (F2, F3)	MEETING ROOM, POWER INSPECTION OFFICE, SIGNAL TELECOM OFFICE STAFF ROOM, DINING ROOM, KITCHEN, STAFF LAVATORY
⑤	DITTO	DITTO	9.2	2008	4	21 (I3, I4, F1, F5)	CORRIDOR (2FL,3FL), ABLUTION ROOM, MUSHOLLA
⑥	DITTO	DITTO	13.7	3000	4	10 (N2)	CORRIDOR (OUT-DOOR)
⑦	DITTO	EMERGENCY LIGHTING	1.0	182	4	7 (E1, E2)	TICKET CHECK, STATION OFFICE, CORRIDOR
⑧	DITTO	RECEPTACLE	9.6	2100	4	14	INFORMATION, PASSENGER WAITING AND CAFE, TICKET SALES/CHECK VIP WAITING ROOM, LAVATORY, STATION MASTER ROOM
⑨	DITTO	DITTO	8.9	1950	4	13	POWER ROOM, MECHANICAL ROOM, MAINTENANCE AND JANITOR'S ROOM TELECOM OFFICE, STATION OFFICE, STAFF LAVATORY
⑩	DITTO	DITTO	9.6	2100	4	14	MEETING ROOM, POWER INSPECTION OFFICE SIGNAL TELECOM OFFICE, REST ROOM
⑪	DITTO	DITTO	6.9	1500	4	10	KITCHEN, DINING ROOM, STAFF LAVATORY ABLUTION ROOM, MUSHOLLA
⑫	DITTO	PUSH-BUTTON STATION	0.2	40	4	4	CORRIDOR (1FL,2FL,3FL), PASSENGER WAITING AND CAFE.
⑬	DITTO	TELECOM	3.0	660	—	—	
⑭	DITTO	TELECOM	3.0	660	—	—	
⑮	DITTO	SIGN	4.6	1000	4		
⑯	DITTO	SIGN	4.6	1000	4		
⑰	DITTO	SIGN	4.6	1000	4		
⑱	DITTO	SPARE					
⑲	DITTO	SPARE					
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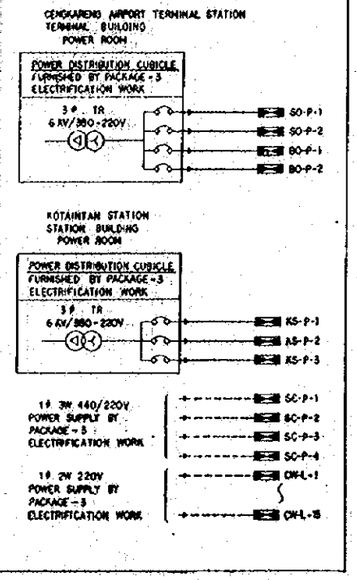
POWER SUPPLY SYSTEM DIAGRAM



REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

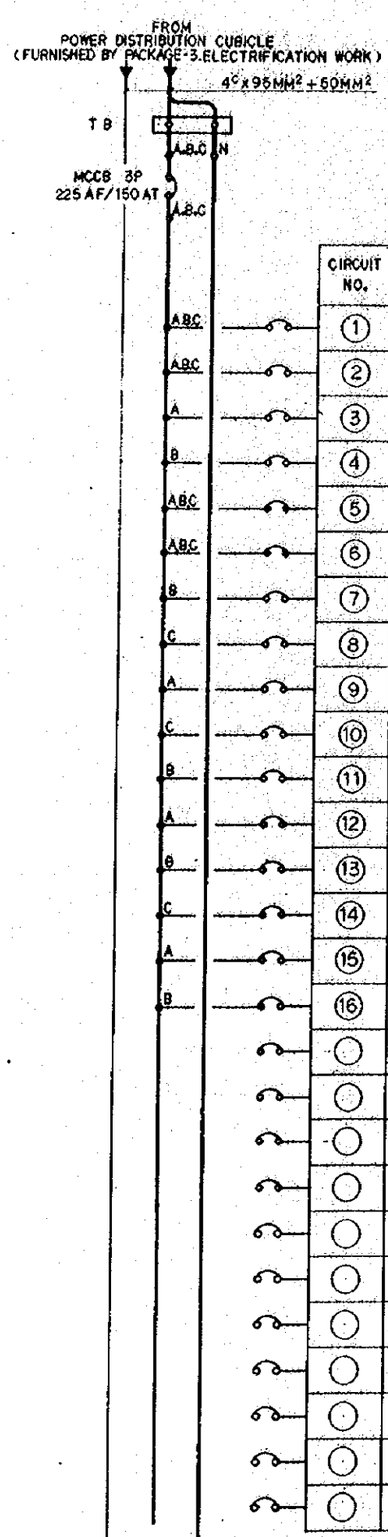
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1AUG.81	S.T	S.T	[illegible]	K.M	[illegible]
A	15FEB.81	S.T	S.T	[illegible]	K.M	[illegible]

AIRPORT TERMINAL STATION
DISTRIBUTION BOARD
SINGLE WIRE DIAGRAM
(SHEET 1 OF 2)

PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK

SCALE: NONE

DRAWING NO: AE - 014



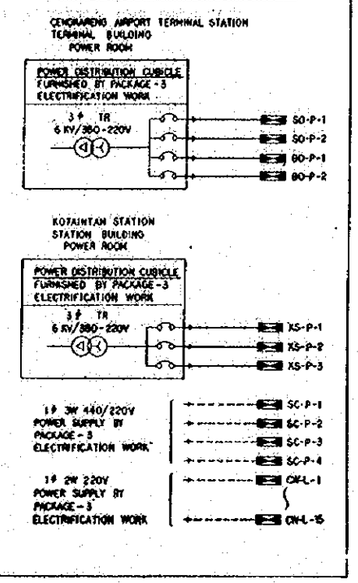
EQUIPMENT NAME	DISTRIBUTION PANEL
EQUIPMENT NO.	SO-P-2
VOLTAGE	3φ 4W 380/220V 50HZ
LOCATION	STATION OFFICE

PHASE — PHASE OR PHASE — NEUTRAL	LOAD CURRENT (A)	LOAD CAPACITY (VA)
A — N	39.5	8690
B — N	37.7	8 294
C — N	35.0	7 700
A — B — C	63.3	41 645
TOTAL	175.5	66 329

CIRCUIT NO.	MCCB	DESCRIPTION	TOTAL LOAD CURRENT(A)	TOTAL LOAD CAPACITY(VA)	WIRE/CABLE (MM²)	Q'TY	AREA
①	3 P 75AF/50AT	AIR CONDITIONER AC-1	40.0	26322	4C x 16	1	MECHANICAL ROOM
②	3 P 30AF/30AT	LIFT PUMP	18.0	11 847	4C x 10	1	OUT-DOOR
③	1 P 20AF/20AT	AIR CONDITIONER AC-2	14.0	3080	4	1	STAFF ROOM
④	DITTO	AIR CONDITIONER AC-3	14.0	3080	4	1	STAFF ROOM
⑤	DITTO	EXHAUST FAN EXF-1	3.5	2310	3C x 4	1	POWER ROOM
⑥	DITTO	EXHAUST FAN EXF-3	1.8	1166	3C x 4	1	ROOF
⑦	DITTO	EXHAUST FAN EXF-2,4,5,6	3.9	858	4	4	KITCHEN, ABLUTION ROOM, MUSHOLLA
⑧	DITTO	LIGHTING	12.6	2772	2C x 25	9 (H3)	STATION PLAZA
⑨	DITTO	DITTO	14.0	3080	2C x 25	10 (H3)	DITTO
⑩	1 P 30AF/30AT	DITTO	22.4	4928	2C x 16	3 (H1, H5)	DITTO
⑪	1 P 20AF/20AT	DITTO	12.8	2816	2C x 16	6 (H2,H3,H4)	DITTO
⑫	DITTO	DITTO	11.5	2530	2C x 16	6 (H2,H3,H4)	DITTO
⑬	DITTO	DITTO	7.0	1540	2C x 16	5 (H3)	DITTO
⑭	DITTO	SPARE					
⑮	DITTO	SPARE					
⑯	DITTO	SPARE					

GROUNDING TERMINAL NEUTRAL TERMINAL

POWER SUPPLY SYSTEM DIAGRAM



REPUBLIC OF INDONESIA
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DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

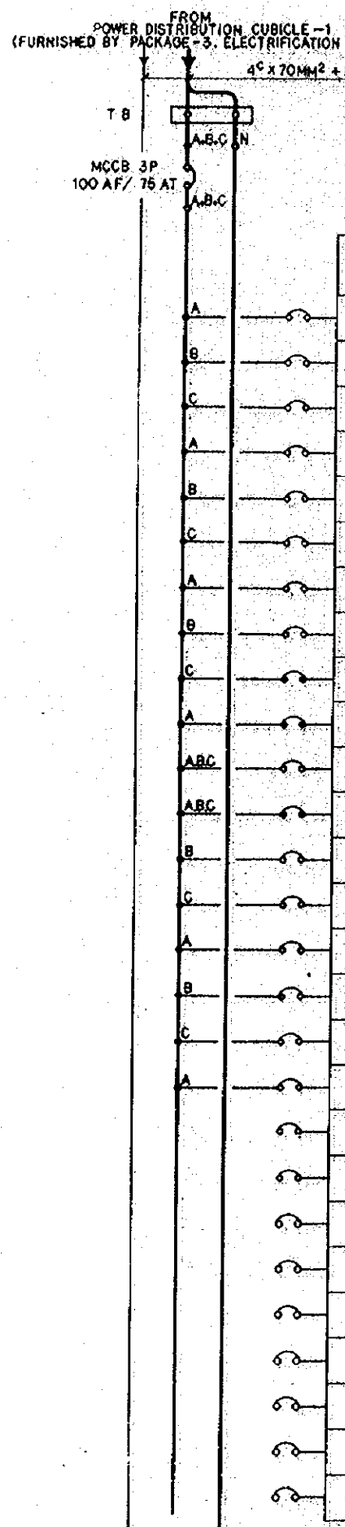
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 MAY '89	S.T	S.T	[illegible]	K.M	K
A	15 FEB. 89	S.T	S.T	[illegible]	K.M	K

AIRPORT TERMINAL STATION
DISTRIBUTION BOARD
SINGLE WIRE DIAGRAM
(SHEET 2 OF 2)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: NONE

DRAWING NO.: AE - 015



EQUIPMENT NAME	DISTRIBUTION PANEL
EQUIPMENT NO.	80-P-1 / 80-P-2
VOLTAGE	3φ 4W 380/220V 50HZ
LOCATION	STATION OFFICE

PHASE — PHASE OR PHASE — NEUTRAL	LOAD CURRENT (A)	LOAD CAPACITY (VA)
A — N	30.2	6630
B — N	29.8	6 556
C — N	39.2	8 620
A — B — C	18.2	11 935
TOTAL	117.4	33 741

CIRCUIT NO.	MCCB	DESCRIPTION	TOTAL LOAD CURRENT(A)	TOTAL LOAD CAPACITY(VA)	WIRE/CABLE (MM²)	Q'TY	AREA
①	1P 20AF/20AT	LIGHTING	8.1	1768	4	17 (F3)	TICKET SALES, STATION OFFICE, TRAIN CONTROL OFFICE, WAITING ROOM, BUS TICKET SALES, SECURITY.
②	DITTO	DITTO	4.3	936	4	15 (F2, F3)	PORTER, LAVATORY, STORAGE
③	DITTO	DITTO	15.3	3360	6	24 (F6)	TRAIN PLATFORM
④	DITTO	DITTO	15.3	3360	4	24 (F6)	DITTO
⑤	DITTO	DITTO	15.3	3360	6	24 (F6)	BUS PLATFORM
⑥	DITTO	DITTO	15.3	3360	4	24 (F6)	DITTO
⑦	DITTO	EMERGENCY LIGHTING	0.3	52	4	2 (E2)	TICKET SALES, TRAIN CONTROL OFFICE
⑧	DITTO	RECEPTACLE	10.3	2250	4	15	TICKET SALES, STATION OFFICE, TRAIN CONTROL OFFICE, WAITING ROOM, BUS TICKET SALES, SECURITY.
⑨	DITTO	DITTO	4.1	900	4	6	PORTER, LAVATORY, STORAGE.
⑩	DITTO	DITTO	2.1	450	4	3	TRAIN PLATFORM.
⑪	3P 20AF/20AT	AIR CONDITIONER (AC-1)	13.0	8512	3C#4	1	TICKET SALES.
⑫	DITTO	EXHAUST FAN (EXF-2)	5.2	3423	4	1	ROOF
⑬	1P 20AF/20AT	PUSH-BUTTON STATION	0.1	10	4	1	CORRIDOR
⑭	DITTO	SIGN	4.6	1000	4		
⑮	DITTO	SIGN	4.6	1000	4		
⑯	DITTO	SPARE					
⑰	DITTO	SPARE					
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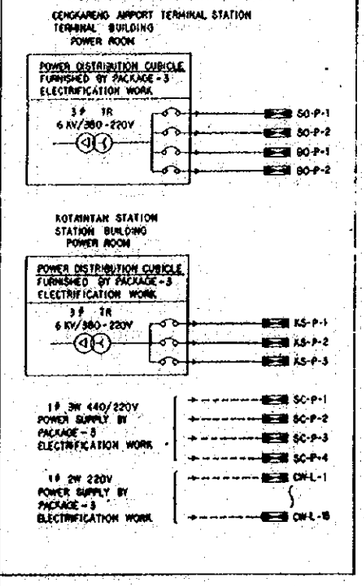
POWER SUPPLY SYSTEM DIAGRAM



REPUBLIC OF INDONESIA
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AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

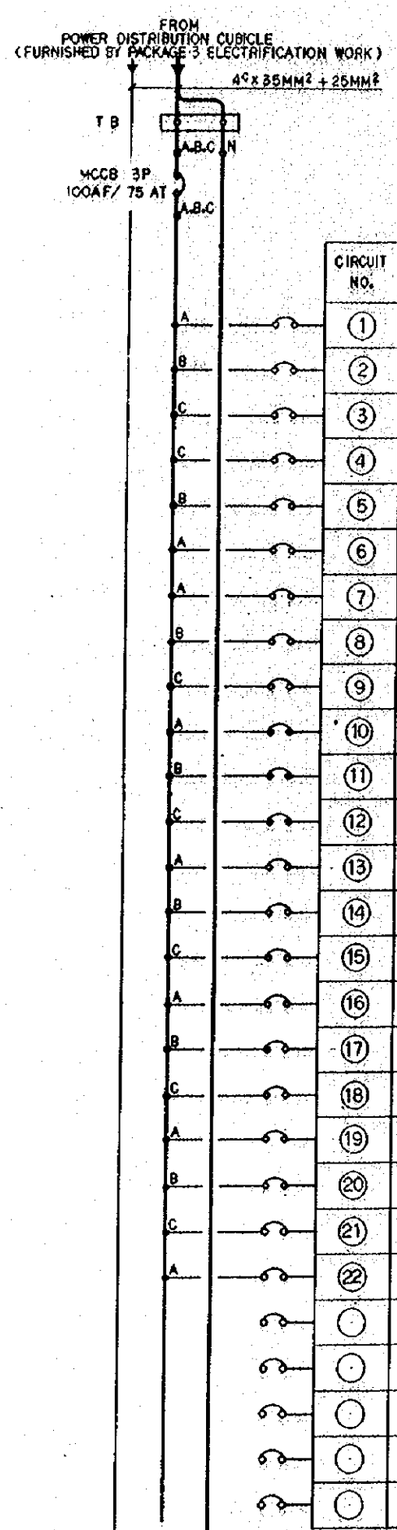
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG '89	E.T	E.T	[illegible]	K.M	[illegible]
A	15 FEB '89	E.T	E.T	[illegible]	K.M	[illegible]

BOOKING OFFICE
DISTRIBUTION BOARD
SINGLE WIRE DIAGRAM

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: NONE

DRAWING NO: AE - 016



EQUIPMENT NAME	DISTRIBUTION PANEL
EQUIPMENT NO.	KS - P - 1
VOLTAGE	3φ 4W 380 / 220V 50 HZ
LOCATION	STATION OFFICE

PHASE — PHASE OR PHASE — NEUTRAL	LOAD CURRENT (A)	LOAD CAPACITY (VA)
A — N	67.9	13148
B — N	60.7	13 346
C — N	37.3	10 014
A — B — C	—	—
TOTAL	165.9	36 508

CIRCUIT NO.	MCCB	DESCRIPTION	TOTAL LOAD CURRENT(A)	TOTAL LOAD CAPACITY(VA)	WIRE/CABLE (MM^2)	Q'TY	AREA
①	1 P 20AF / 20AT	LIGHTING	13.0	2 860	4	29 (F2.F3.F4)	STATION OFFICE. STATION MASTER ROOM. MEETING ROOM SECURITY. COVERED SERVICE AREA-2. MECHANICAL ROOM STAFF LOCKER ROOM. STAFF LAVATORY
②	DITTO	DITTO	15.5	3 396	4	40 (13.F2.F3.F4)	PASSENGER WAITING AND CAFE. PORTER. PASSENGER LAVATORY (M/W) MAINTENANCE AND JANITOR'S ROOM. COVERED SERVICE AREA-1 POWER ROOM. STORAGE-1.2.
③	DITTO	DITTO	12.8	2800	4	14 (F6. M1)	STATION OFFICE. CORRIDOR (1FL)
④	DITTO	DITTO	11.5	2 520	4	18 (F6.F7)	CORRIDOR-1
⑤	DITTO	DITTO	10.2	2240	4	14 (F7. F9)	CORRIDOR-1
⑥	DITTO	DITTO	3.4	728	4	8 (F2.F4)	SIGNAL TELECOM DEVICE ROOM. STORAGE-3
⑦	DITTO	DITTO	10.8	2360	4	28 (13.14) (F1.F2.F3.F5)	KITCHEN. DINING ROOM. STAFF ROOM ABLUTION ROOM. MUSHOLLA. CORRIDOR (2FL). LAVATORY
⑧	DITTO	DITTO	10.0	2 200	4	8 (M1). N1)	CONCOURSE. CORRIDOR (OUT-DOOR)
⑨	DITTO	EMERGENCY LIGHTING	1.1	234	4	9 (E1. E2)	
⑩	DITTO	RECEPTACLE	14.4	3150	4	21	STATION OFFICE. STATION MASTER ROOM. MEETING ROOM. SECURITY COVERED SERVICE AREA-2. MECHANICAL ROOM. STAFF LOCKER ROOM STAFF LAVATORY
⑪	DITTO	DITTO	13.0	2850	4	19	PASSENGER WAITING AND CAFE. PORTER. PASSENGERS LAVATORY (M/W) MAINTENANCE AND JANITOR'S ROOM. COVERED SERVICE AREA-1 STORAGE-1.2 POWER ROOM
⑫	DITTO	DITTO	8.2	1 800	4	12	KITCHEN, DINING ROOM. STAFF ROOM ABLUTION ROOM MUSHOLLA. LAVATORY.
⑬	DITTO	PUSH-BUTTON STATION	0.3	50	4	5	CORRIDOR
⑭	DITTO	TELECOM	3.0	660	—	—	
⑮	DITTO	TELECOM	3.0	660	—	—	
⑯	DITTO	SIGN	9.1	2000	4		
⑰	DITTO	SIGN	9.1	2000	4		
⑱	DITTO	SIGN	9.1	2000	4		
⑲	DITTO	SIGN	9.1	2000	4		
⑳	DITTO	SPARE					
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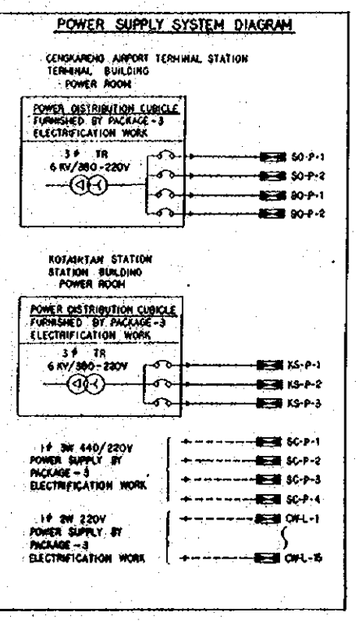
POWER SUPPLY SYSTEM DIAGRAM



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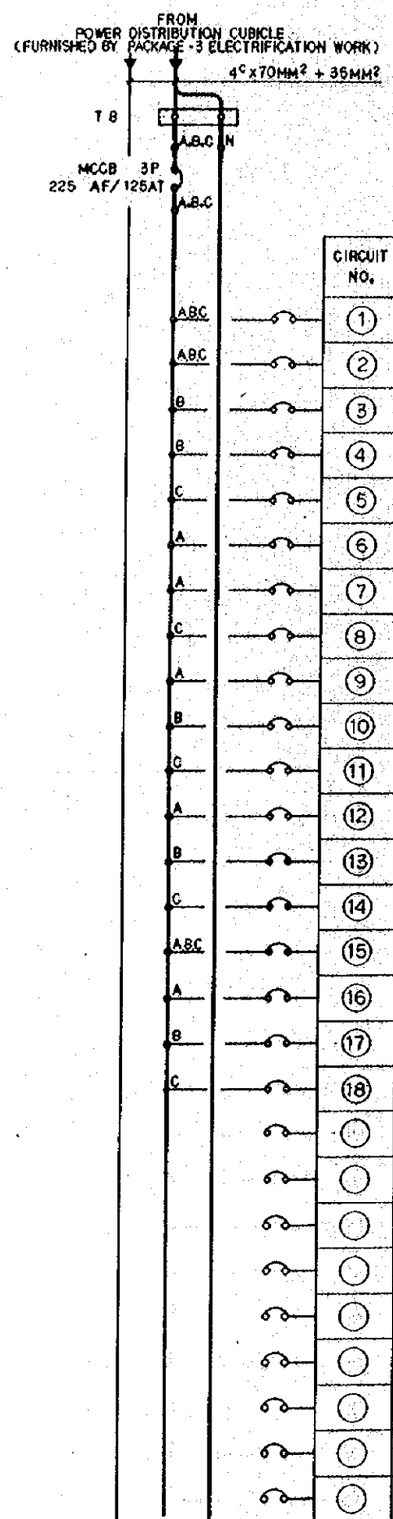
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. 89	E.T	E.T	Sugeng	K.M	K
A	15 FEB. 89	E.T	E.T	Sugeng	K.M	K

KOTA INTAN STATION
STATION BLDG.
DISTRIBUTION BOARD
SINGLE WIRE DIAGRAM
(SHEET 1 OF 2)

PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK

SCALE: NONE

DRAWING NO: AE - 017



EQUIPMENT NAME	DISTRIBUTION PANEL
EQUIPMENT NO.	KS - P - 2
VOLTAGE	3φ 4W 380/220V 50HZ
LOCATION	STATION OFFICE

PHASE — PHASE OR PHASE — NEUTRAL	LOAD CURRENT (A)	LOAD CAPACITY (VA)
A — N	39.1	8596
B — N	38.0	8358
C — N	42.2	9276
A — B — C	50.6	33305
TOTAL	169.9	59535

CIRCUIT NO.	MCCB	DESCRIPTION	TOTAL LOAD CURRENT (A)	TOTAL LOAD CAPACITY (VA)	WIRE/CABLE (MM^2)	Q'TY	AREA
①	3 P 75AF/50AT	AIR CONDITIONER (AC-1)	40.0	26322	4^cx16	1	MECHANICAL ROOM
②	3 P 20AF/20AT	LIFT PUMP	7.1	4673	4^cx4	1	STORAGE 1
③	1 P 20AF/20AT	AIR CONDITIONER (AC-2)	11.0	2420	4	1	STAFF ROOM
④	DITTO	DITTO (AC-3)	11.0	2420	4	1	STAFF ROOM
⑤	DITTO	EXHAUST FAN (EXF-1~10)	10.6	2332	4	10	STAFF LAVATORY, STAFF LOCKER ROOM, MECHANICAL ROOM POWER ROOM, STORAGE-1, STORAGE-2, MAINTENANCE AND JANITOR'S ROOM SIGNAL TELECOM DEVICE ROOM, STORAGE-3
⑥	DITTO	EXHAUST FAN (EXF-11,12,13)	2.5	550	4	3	KITCHEN, ABLUTION ROOM, MUSHOLLA
⑦	1 P 30AF/30AT	LIGHTING	21.8	4796	2^cx10	1 (H1)	STATION PLAZA
⑧	DITTO	DITTO	21.8	4796	2^cx10	4 (H2,H3,H4)	STATION PLAZA
⑨	1 P 20AF/20AT	DITTO	9.1	2002	2^cx10	1 (H1)	STATION PLAZA
⑩	DITTO	DITTO	11.9	2618	2^cx25	6 (H2,H3,H4)	STATION PLAZA
⑪	1 P 20AF/20AT	LIGHTING	5.7	1248	4	12 (F4)	SHOPS
⑫	DITTO	DITTO	5.7	1248	4	12 (F4)	LOADING YARD
⑬	DITTO	RECEPTACLE	4.1	900	4	6	SHOPS
⑭	DITTO	DITTO	4.1	900	4	6	LOADING YARD
⑮	3 P 20AF/20AT	EXHAUST FAN (EXF-14)	3.5	2310	5^cx4	1	ROOF
⑯	1 P 20AF/20AT	SPARE					
⑰	DITTO	SPARE					
⑱	DITTO	SPARE					
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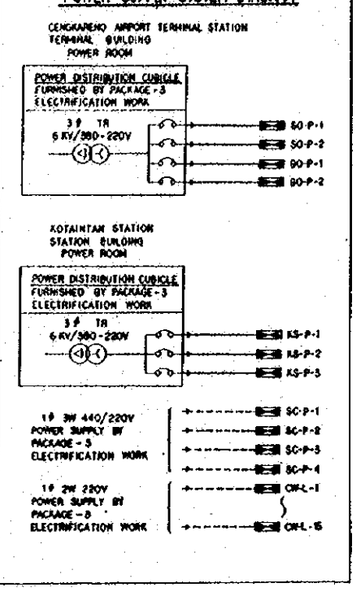
POWER SUPPLY SYSTEM DIAGRAM



REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

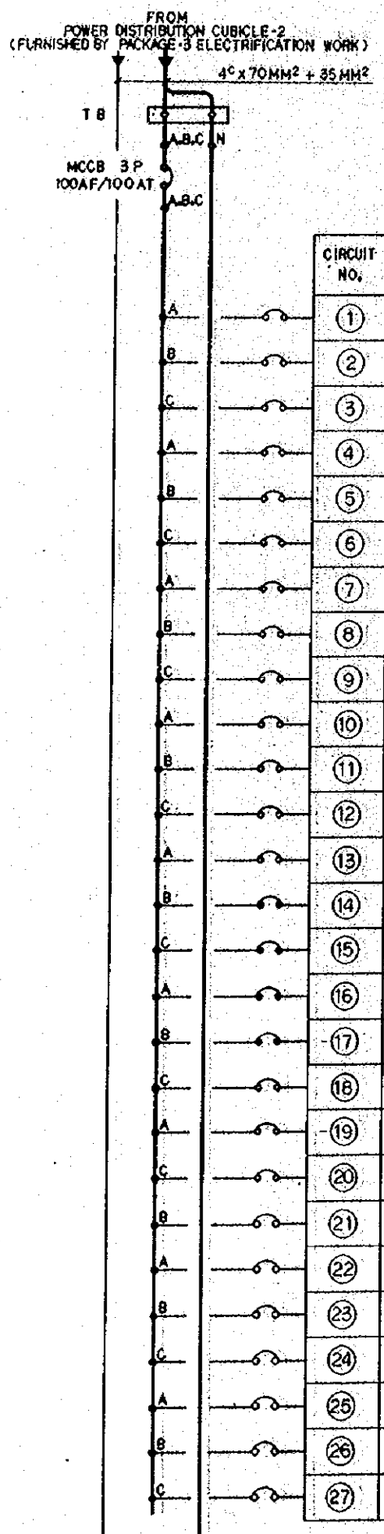
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG. 89	S.T	S.T	[illegible]	K.M	[illegible]
A	1 FEB. 89	S.T	S.T	[illegible]	K.M	[illegible]

KOTA INTAN STATION
STATION BLDG.
DISTRIBUTION BOARD
SINGLE WIRE DIAGRAM
(SHEET 2 OF 2)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: NONE

DRAWING NO.: AE - 018

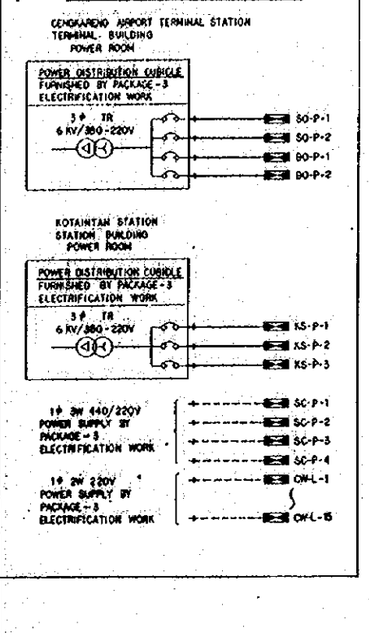


EQUIPMENT NAME	DISTRIBUTION PANEL
EQUIPMENT NO.	KS-P-3
VOLTAGE	3φ 4W 380/220V 50HZ
LOCATION	TRAIN CONTROL OFFICE

PHASE — PHASE OR PHASE — NEUTRAL	LOAD CURRENT (A)	LOAD CAPACITY (VA)
A — N	72.0	16844
B — N	59.6	13110
C — N	56.5	12420
A — B — C	—	—
TOTAL	188.1	41374

CIRCUIT NO.	MCCB	DESCRIPTION	TOTAL LOAD CURRENT(A)	TOTAL LOAD CAPACITY(VA)	WIRE/CABLE (MM²)	Q'TY	AREA
①	1P 20AF/20AT	LIGHTING	2.9	624	4	6 (F3)	SIGNAL TELECOM OFFICE. TRAIN CONTROL OFFICE
②	DITTO	DITTO	10.9	2380	6	16 (F6.F8)	PLATFORM (CENGKARENG AIRPORT LINE)
③	DITTO	DITTO	11.5	2520	6	18 (F6)	DITTO (DITTO)
④	DITTO	DITTO	10.9	2380	6	16 (F6.F8)	DITTO (DITTO)
⑤	DITTO	DITTO	12.1	2660	4	18 (F6.F7.F8)	DITTO (DITTO)
⑥	DITTO	DITTO	9.6	2100	4	15 (F6)	DITTO (DITTO)
⑦	DITTO	DITTO	12.1	2660	4	18 (F6. F7. F8)	DITTO (DITTO)
⑧	DITTO	DITTO	13.4	2940	6	21 (F6.F7)	PLATFORM (WESTERN LINE)
⑨	DITTO	DITTO	10.2	2240	6	14 (F6.F7. F8)	DITTO (DITTO)
⑩	DITTO	DITTO	13.4	2940	6	21 (F6.F7)	DITTO (DITTO)
⑪	DITTO	DITTO	11.5	2520	6	18 (F6)	DITTO (DITTO)
⑫	DITTO	DITTO	10.2	2240	6	14 (F6.F8)	DITTO (DITTO)
⑬	DITTO	DITTO	11.5	2520	6	18 (F6)	DITTO (DITTO)
⑭	DITTO	RECEPTACLE	1.4	300	4	2	PLATFORM (CENGKARENG AIRPORT LINE)
⑮	DITTO	DITTO	1.4	300	4	2	DITTO (DITTO)
⑯	DITTO	DITTO	1.4	300	4	2	PLATFORM (WESTERN LINE)
⑰	DITTO	DITTO	1.4	300	4	2	DITTO (DITTO)
⑱	DITTO	DITTO	2.8	600	4	4	SIGNAL TELECOM OFFICE. TRAIN CONTROL OFFICE
⑲	DITTO	AIR CONDITIONER (AC-4)	11.0	2420	4	1	SIGNAL TELECOM OFFICE
⑳	DITTO	AIR CONDITIONER (AC-5)	11.0	2420	4	1	TRAIN CONTROL OFFICE
㉑	DITTO	PUSH-BUTTON STATION	0.1	10	4	1	PLATFORM (CENGKARENG AIRPORT LINE)
㉒	DITTO	SIGN	9.1	2000	4		
㉓	DITTO	SIGN	9.1	2000	4		
㉔	DITTO	SPARE					
㉕	DITTO	SPARE					
㉖	DITTO	SPARE					
㉗	DITTO	SPARE					

POWER SUPPLY SYSTEM DIAGRAM



REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
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AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

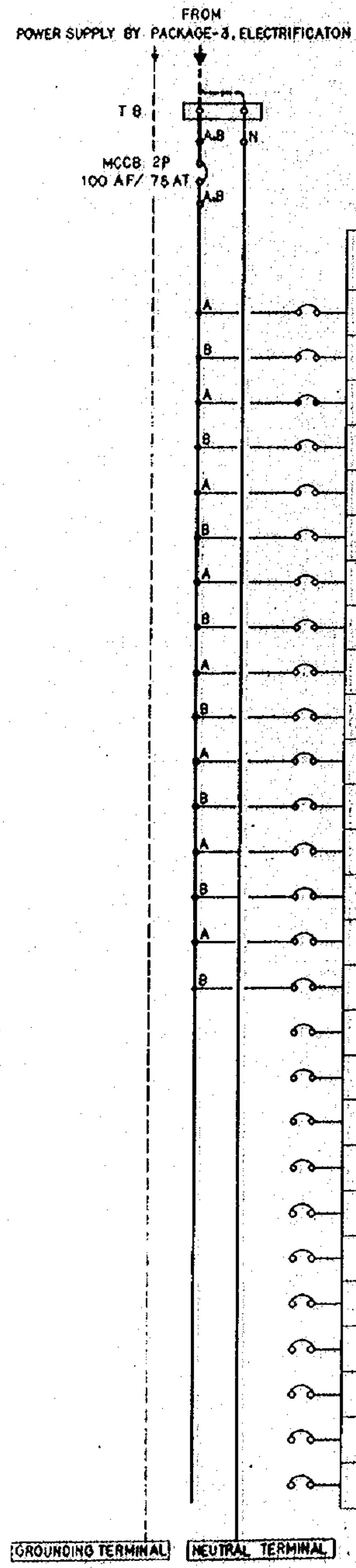
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 89	S.T	S.T	[illegible]	K.M	M.K
A	15 FEB 89	S.T	S.T	[illegible]	K.M	M.K

KOTA INTAN STATION
PLATFORM
DISTRIBUTION BOARD
SINGLE WIRE DIAGRAM

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: NONE

DRAWING NO.: AE - 019



EQUIPMENT NAME	DISTRIBUTION PANEL
EQUIPMENT NO.	SC-P-1/SC-P-2
VOLTAGE	1φ 3W 440/220V 50HZ
LOCATION	SIGNAL DEVICE ROOM

PHASE — PHASE OR PHASE — NEUTRAL	LOAD CURRENT (A)	LOAD CAPACITY (VA)
A — N	44.6	9796
B — N	45.6	10036
C — N	——	——
A — B — C	——	——
TOTAL	90.2	19832

CIRCUIT NO.	MCCB	DESCRIPTION	TOTAL LOAD CURRENT(A)	TOTAL LOAD CAPACITY(VA)	WIRE/CABLE (MM^2)	Q'TY	AREA
①	1P 20AF/20AT	LIGHTING	6.3	1380	4	21 (F1,F2,F3,13)	SIGNAL DEVICE ROOM. POWER ROOM LAVATORY CORRIDOR(1FL.2FL)
②	DITTO	DITTO	6.7	1456	4	15 (F1, F3)	SIGNAL CONTROL ROOM. INSPECTORS ROOM. DRESSING ROOM. STAFF ROOM. PANTRY.
③	DITTO	RECEPTACLE	5.5	1200	4	8	SIGNAL DEVICE ROOM. POWER ROOM. LAVATORY.
④	DITTO	DITTO	7.5	1650	4	11	SIGNAL CONTROL ROOM. INSPECTORS ROOM. DRESSING ROOM. STAFF ROOM. PANTRY
⑤	DITTO	AIR CONDITIONER (AC-1)	16.0	3520	4	1	SIGNAL CONTROL ROOM.
⑥	DITTO	DITTO (AC-2)	16.0	3520	4	1	DITTO
⑦	DITTO	DITTO (AC-3)	11.0	2420	4	1	INSPECTORS ROOM.
⑧	DITTO	DITTO (AC-4)	11.0	2420	4	1	DITTO
⑨	DITTO	EXHAUST FAN (EXF-1,2,3,4)	2.8	616	4	4	SIGNAL DEVICE ROOM. POWER ROOM. LAVATORY.
⑩	DITTO	DITTO (EXF-5,6,7)	1.5	330	4	3	PANTRY. STAFF ROOM. DRESSING ROOM.
⑪	DITTO	TELECOM	3.0	660	—	—	
⑫	DITTO	DITTO	3.0	660	—	—	
⑬	DITTO	SPARE					
⑭	DITTO	SPARE					
⑮	DITTO	SPARE					
⑯	DITTO	INCINERATOR	2.8	615	$2^C \times 4$	1	DUMP YARD (SC-P-1 ONLY)
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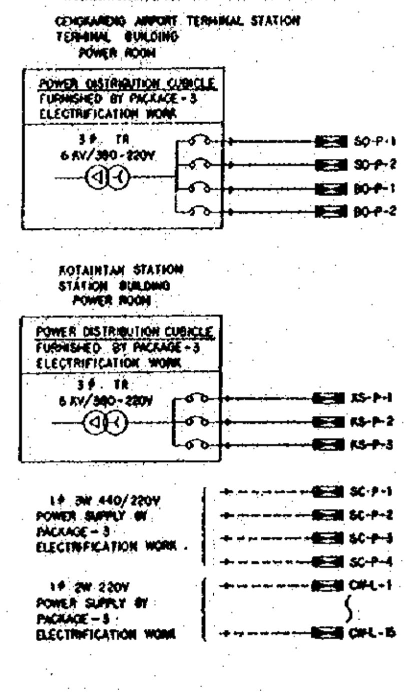
POWER SUPPLY SYSTEM DIAGRAM



REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

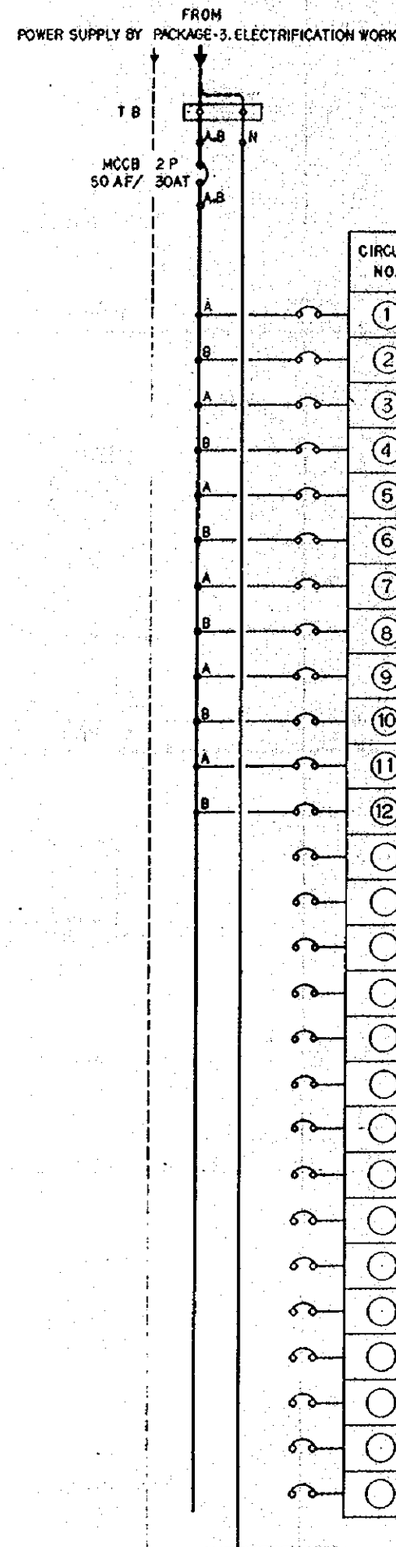
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG '89	E.T	E.T	[illegible]	K.M	K
A	15 FEB '89	E.T	E.T	[illegible]	K.M	K

SIGNAL CABIN A
DISTRIBUTION BOARD
SINGLE WIRE DIAGRAM

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: NONE

DRAWING NO.: AE - 020



EQUIPMENT NAME	DISTRIBUTION PANEL
EQUIPMENT NO.	SC-P-3/SC-P-4
VOLTAGE	1φ 3W 440/220V 50HZ
LOCATION	RELAY EQUIPMENT ROOM

PHASE — PHASE OR PHASE — NEUTRAL	LOAD CURRENT (A)	LOAD CAPACITY (VA)
A — N	21.0	4616
B — N	29.4	6456
C — N	——	——
A — B — C	——	——
TOTAL	50.4	11072

CIRCUIT NO.	MCCB	DESCRIPTION	TOTAL LOAD CURRENT(A)	TOTAL LOAD CAPACITY(VA)	WIRE/CABLE (MM^2)	Q'TY	AREA
①	1 P. 20AF/20AT	LIGHTING	3.3	720	4	12 (11, F2)	RELAY EQUIPMENT ROOM. TOILET. WARE HOUSE
②	DITTO	DITTO	3.3	718	4	7 (11.12.F3)	SIGNAL HANDLING ROOM. STAFF ROOM. STAIR
③	DITTO	RECEPTACLE	2.8	600	4	4	RELAY EQUIPMENT ROOM
④	DITTO	DITTO	2.8	600	4	4	SIGNAL HANDLING ROOM. STAFF ROOM
⑤	DITTO	EXHAUST FAN (EXF-1.2)	1.6	396	4	2	RELAY EQUIPMENT ROOM. TOILET
⑥	DITTO	AIR CONDITIONER (AC-1)	11.0	2240	4	1	STAFF ROOM.
⑦	DITTO	TELECOM	3.0	660	—	—	
⑧	DITTO	TELECOM	3.0	660	—	—	
⑨	DITTO	AIR CONDITIONER (AC-2)	11.0	2240	4	1	SIGNAL HANDLING ROOM
⑩	DITTO	DITTO (AC-3)	11.0	2240	4	1	DITTO
⑪	DITTO	SPARE					
⑫	DITTO	SPARE					
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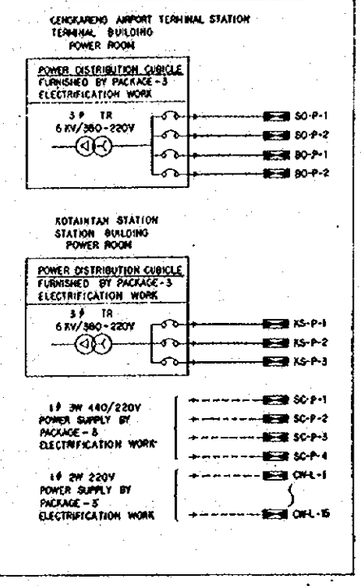
POWER SUPPLY SYSTEM DIAGRAM



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AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

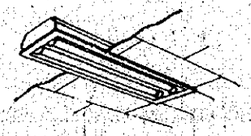
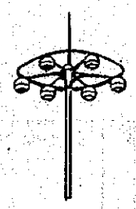
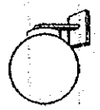
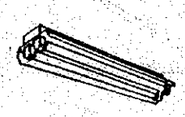
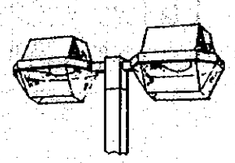
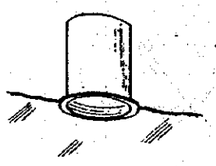
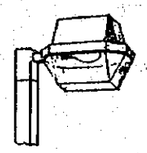
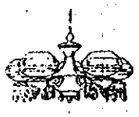
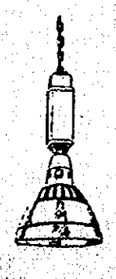
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	19.9.89	S.T	S.T	Suyoto	K.M	A.K
A	15.FEB.89	S.T	S.T	Suyoto	K.M	A.K

SIGNAL CABIN B
DISTRIBUTION BOARD
SINGLE WIRE DIAGRAM

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: NONE

DRAWING NO: AE - 021

 IL 100W 220V	 TYPE F1 FL 40Wx1 220V TYPE F3 FL 40Wx2 220V	 FL 20Wx1 220V	 HL 700Wx6 220V	 HL 40Wx1 220V
TYPE I1	TYPE F1, F3	TYPE E1	TYPE H1	TYPE H5
 IL 100W 220V	 TYPE F2 FL 40Wx1 220V TYPE F4 FL 40Wx2 220V TYPE F6 FL 110Wx1 220V TYPE F8 FL 110Wx2 220V	 FL 20Wx1 220W	 HL 250Wx2 220V	
TYPE I2	TYPE F2, F4, F6, F8	TYPE E2	TYPE H2	
 IL 100W 220V	 FL 40Wx1 220V	 TYPE N1 NL 150Wx1 220V TYPE N2 NL 250Wx1 220V	 HL 250Wx1 220V	
TYPE I3	TYPE F5	TYPE N1, N2	TYPE H3	
 IL 40Wx5 220V	 TYPE F7 FL 110Wx1 TYPE F9 FL 110Wx2	 TYPE M1 ML 300Wx1 220V TYPE M2 ML 400Wx1 220V	 HL 200Wx1 220V	
TYPE I4	TYPE F7, F9	TYPE M1, M2	TYPE H4	

REPUBLIC OF INDONESIA
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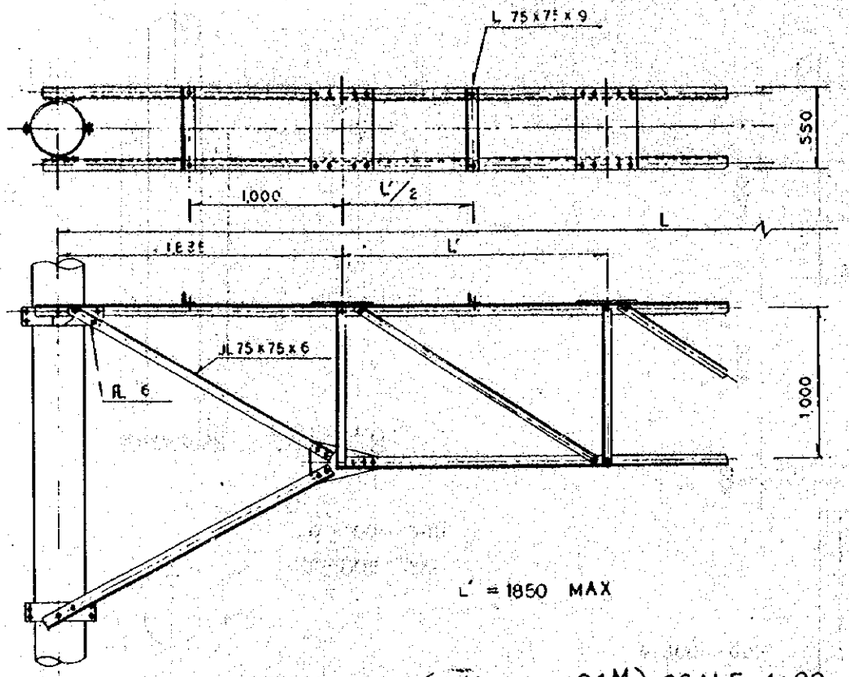
REVISIONS	DATE	DRAWN	CHECK	CHECKED	APPROVED	SUBMITTED
B	1.Aug.89	S.I	E.I	Syafi	K.M	A.K
A	5 FEB.89	S.I	E.I	Syafi	K.M	A.K

STANDARD DETAIL OF
LIGHTING FIXTURE

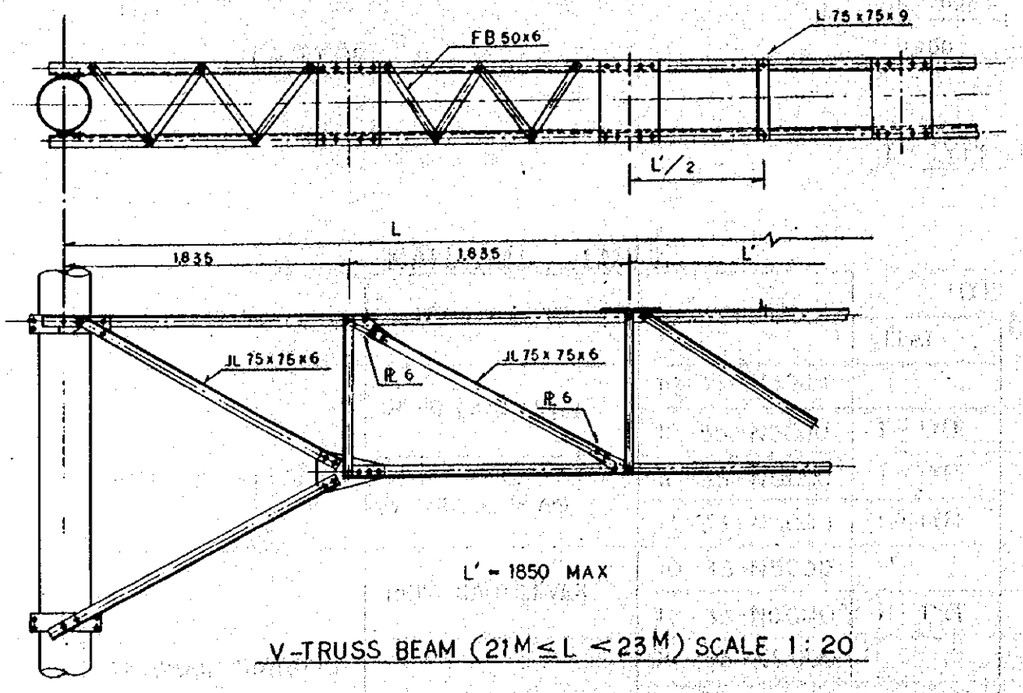
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: NONE

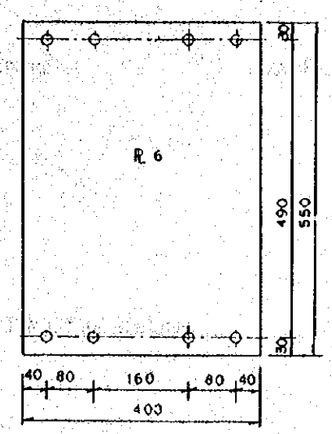
DRAWING NO: AE - 022



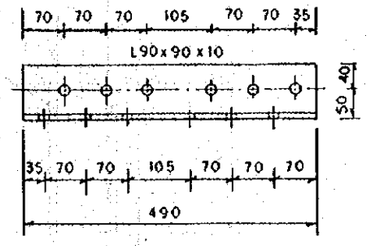
V-TRUSS BEAM (19M ≤ L < 21M) SCALE 1:20



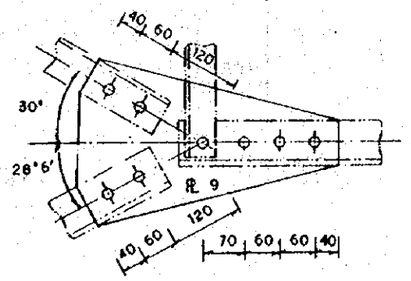
V-TRUSS BEAM (21M ≤ L < 23M) SCALE 1:20



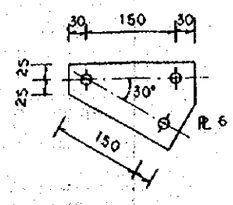
TRUSS BEAM PLATE SCALE 1:5



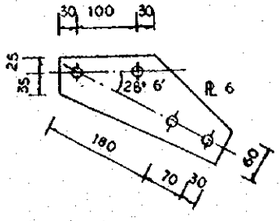
JOINTING ANGLE SCALE 1:5



1 - TYPE



2 - TYPE



3 - TYPE

GUSSET PLATES SCALE 1:5

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REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	Aug '84	S.H	S.H	K.U	K.M	M.K
A	15 Feb '84	S.H	S.H	K.U	K.M	M.K

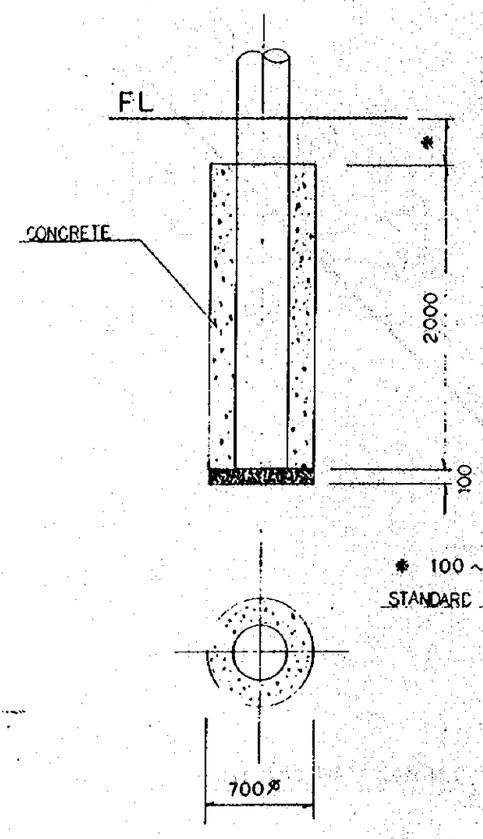
DETAILS OF

V - TRUSS BEAM (2)

PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK

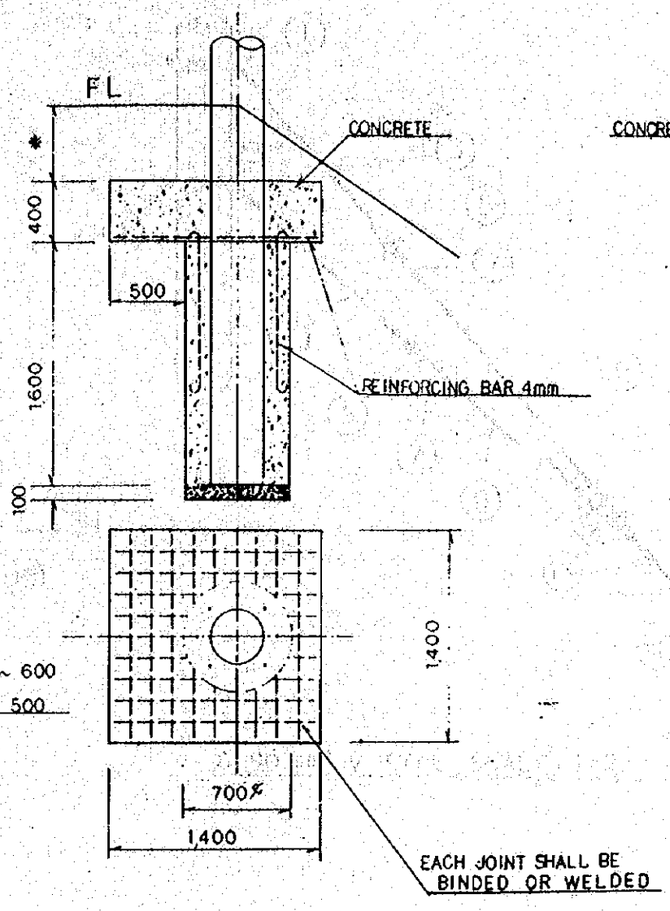
SCALE: AS NOTED

DRAWING NO: EC - 015



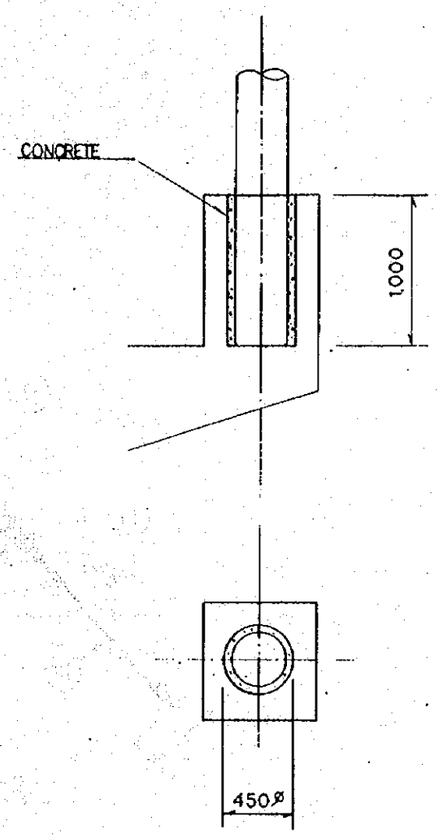
* 100 ~ 300
STANDARD 300

I - TYPE



* 300 ~ 600
STANDARD 500

T - TYPE



E - TYPE

NOTE:
CONCRETE CLASS SHALL BE CLASS F

MATERIAL TABLE

SECTION	BEAM TYPE	CONCRETE POLE	POLE FOUNDATION		
			FLAT	EMBANKMENT BANK	ELEVATED STRUCTURE
INSIDE OF STATION	RIGID CANTILEVER	10-35-N5,000			E - TYPE
		12-35-N5,000	I - TYPE	T - TYPE	
	V-TRUSS BEAM	10-35-N5,000	I - TYPE		E - TYPE
		11-35-N5,000	I - TYPE		
BETWEEN STATIONS	RIGID CANTILEVER	10-35-N5,000			E - TYPE
		12-35-N5,000	I - TYPE	T - TYPE	
	V-TRUSS BEAM	10-35-N5,000			E - TYPE
		11-35-N5,000	I - TYPE		
		12-35-N5,000	I - TYPE		

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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

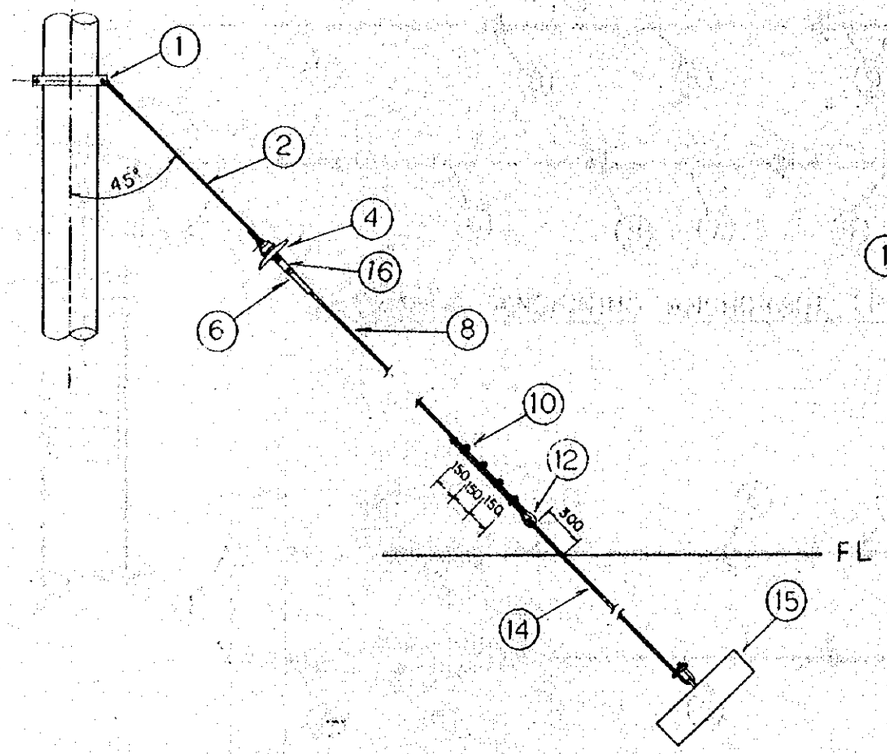
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 Aug. '84	S.H	S.H	K.U.	U.M	M.K
A	15 Feb '84	S.H	S.H	K.H	U.M	M.K

DETAILS OF CONCRETE POLE FOUNDATION

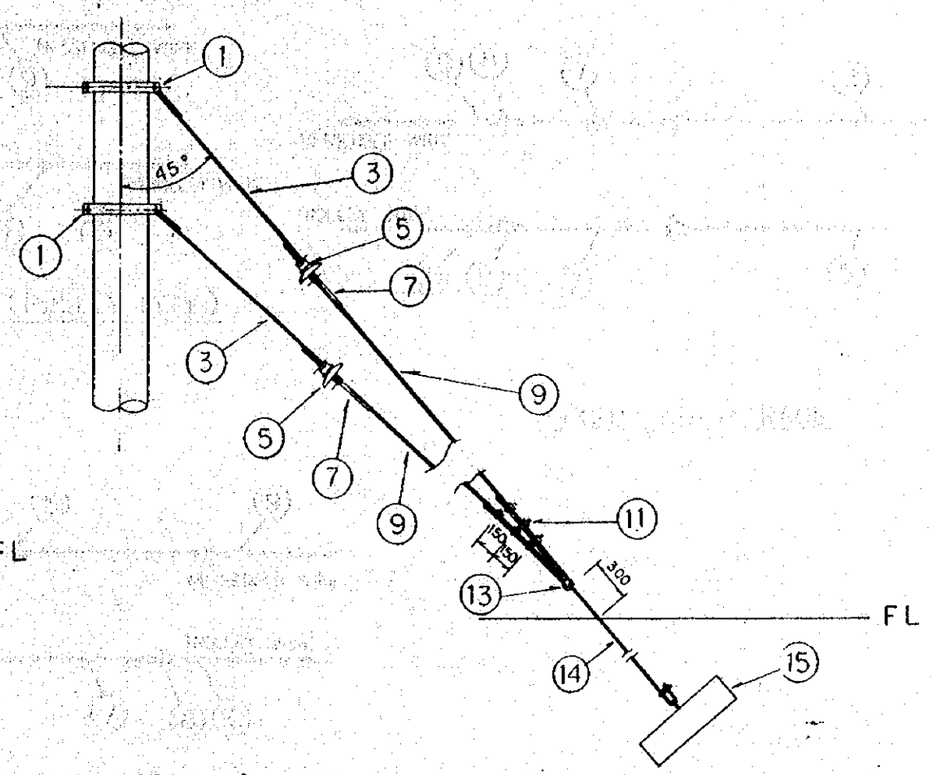
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:20

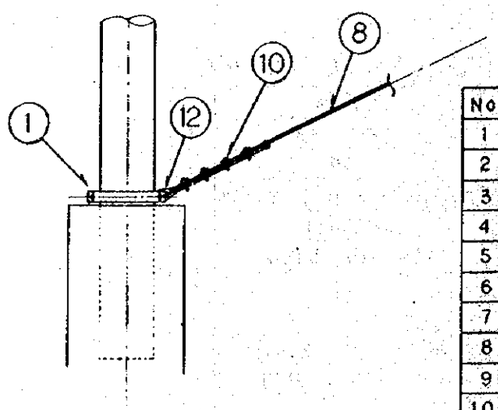
DRAWING NO. EC - 016



ST 135 mm² SINGLE TYPE SCALE 1:20



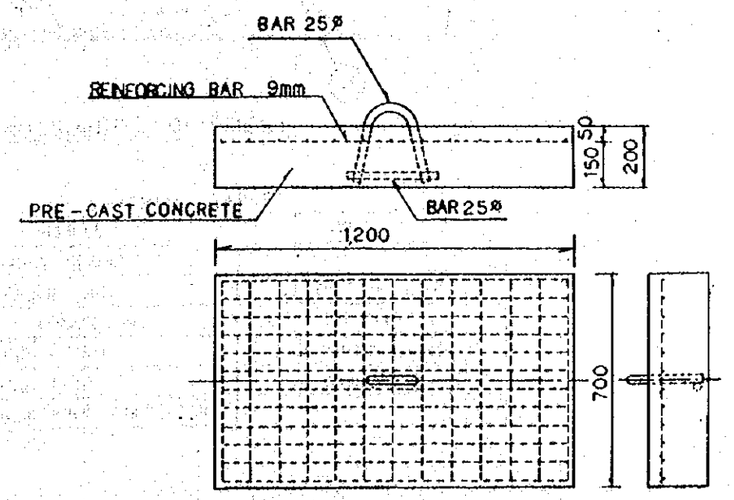
ST 90 mm² V-TYPE SCALE 1:20



ELEVATED STRUCTURE SCALE 1:20

MATERIAL TABLE

No	ARTICLE	TYPE
1	POLE BAND	B 2
2	CONNECTING ROD	19ø x 1,500
3	—— DO ——	16ø x 1,500
4	SUSPENSION INSULATOR	250 EP-J
5	—— DO ——	180 C
6	COMPRESSION DEAD-END FITTING	FOR 135 mm²
7	—— DO ——	FOR 90 mm²
8	GALVANIZED STEEL WIRE STRANDS	135 mm²
9	—— DO ——	90 mm²
10	WIRE CLIP	FOR 135 mm² x 2
11	—— DO ——	FOR 90 mm² x 2
12	GUY THIMBLE	FOR 135 mm² x 1
13	—— DO ——	FOR 90 mm² x 2
14	GUY ROD	25ø x 3,000
15	GUY ANCHOR	CONCRETE TYPE
16	CONNECTING FITTING	H TYPE



GUY ANCHOR SCALE 1:10

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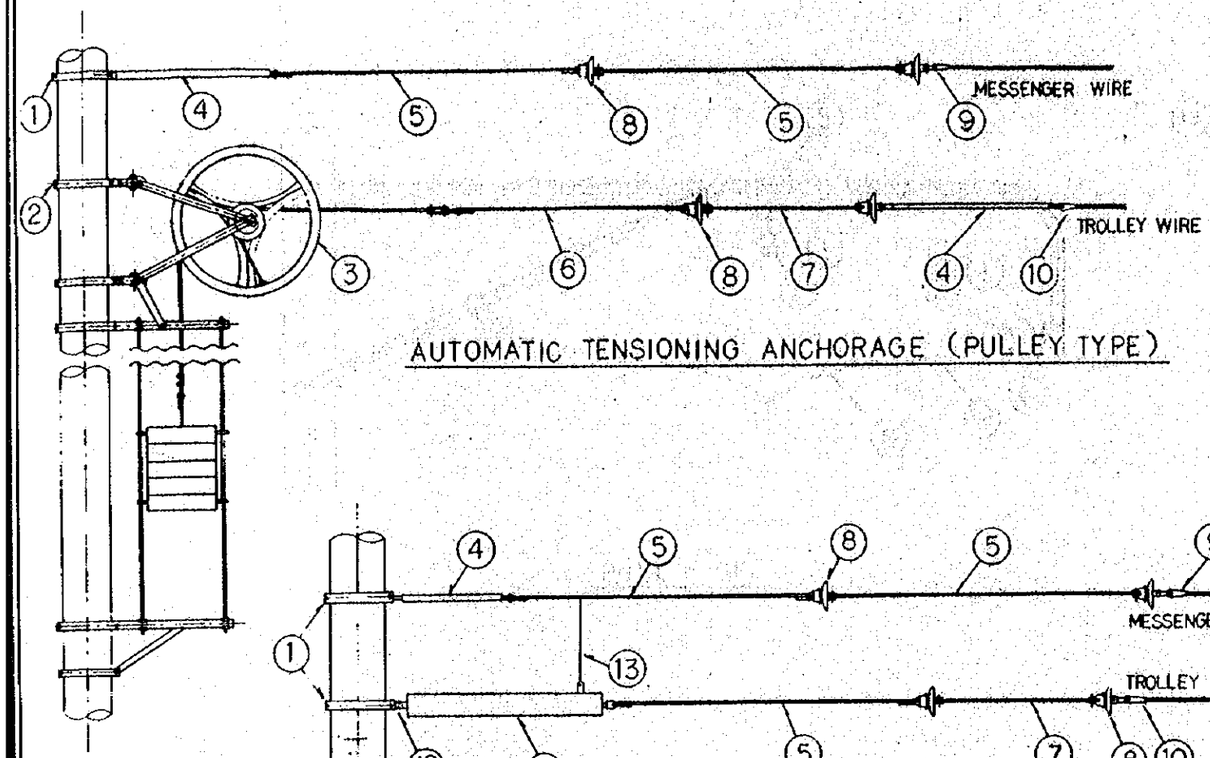
DETAILS OF GUY

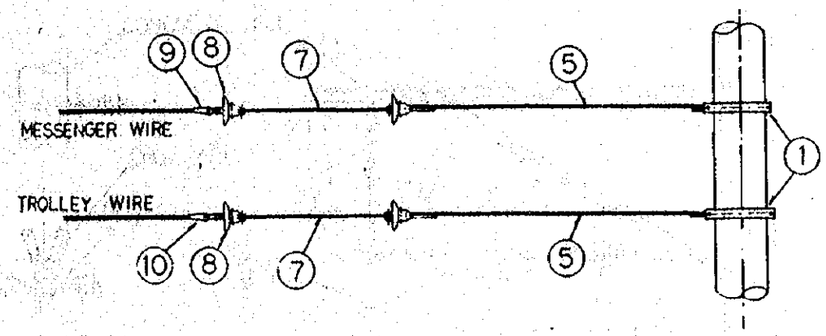
PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK

SCALE: AS NOTED

DRAWING NO: EC – 017



AUTOMATIC TENSIONING ANCHORAGE (PULLEY TYPE)

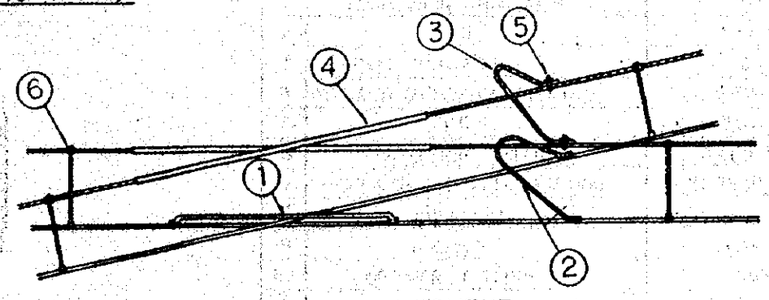


FIXED ANCHORAGE

AUTOMATIC TENSIONING ANCHORAGE (SPRING TYPE)

ANCHORAGE MATERIAL TABLE

NO	ARTICLE	TYPE
1	POLE BAND	B2
2	DO	TK 1
3	AUTOMATIC TENSIONING DEVICE	PULLEY TYPE
4	TURNBUCKLE	L = 600 mm
5	CONNECTING ROD	16Φ x 2,000
6	DO	16Φ x 1,500
7	DO	16Φ x 1,000
8	SUSPENSION TYPE INSULATOR	180 C
9	DEAD-END FITTING	BS 90
10	DO	WTS 90
11	AUTOMATIC TENSIONING DEVICE	SPRING TYPE
12	CONNECTING FITTING	9 x 50 x 200



CROSSOVER EQUIPMENT

MATERIAL TABLE

NO	ARTICLE	TYPE
1	CROSS CLAMP	
2	FEEDER EAR	Cu 100 mm² L = 800
3	CONNECTOR	St 90 mm²
4	LINE GUARD	St 90 mm² L = 2000
5	WIRE CLIP	St 90 mm² x 2
6	MESSENGER WIRE PROTECTOR	

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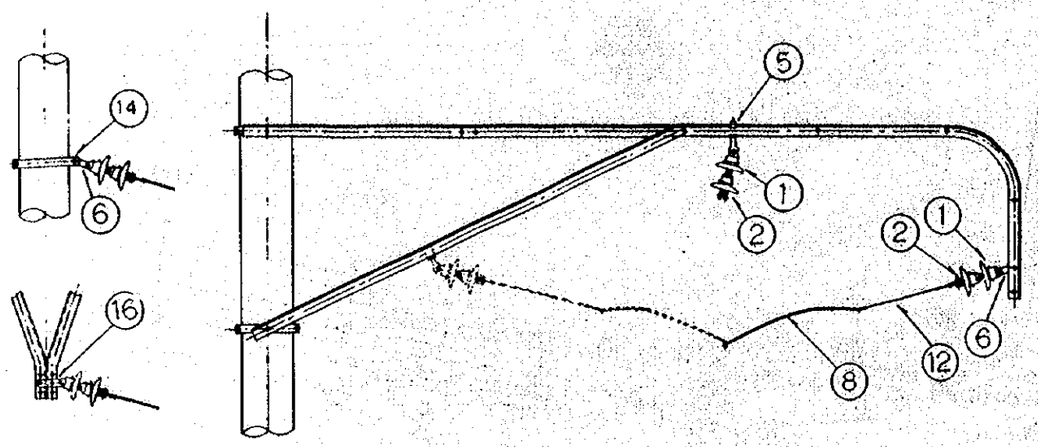
DETAILS OF AUTOMATIC TENSIONING EQUIPMENT

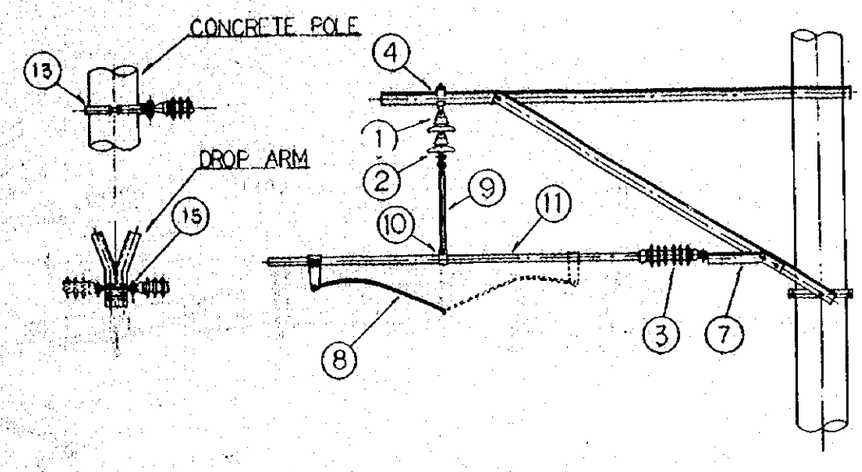
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: NON. SCALE

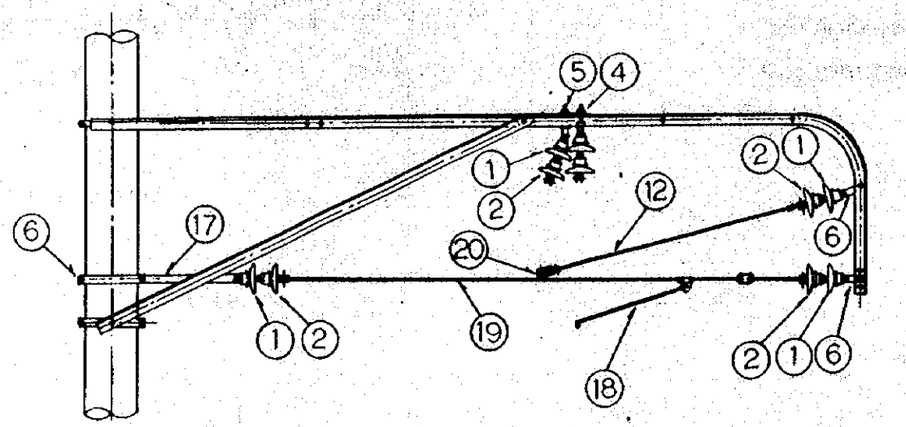
DRAWING NO: EC – 020



PULL – OFF



STEADY BRACE (FOR MOVABLE PIPE)



STEADY BRACE (FOR SPAN WIRE)

MATERIAL TABLE

No	ARTICLE	TYPE
1	SUSPENSION INSULATOR	180 EP
2	DO	180 C
3	STEM INSULATOR	D C
4	INSULATOR SUSPENSION FITTING	FOR STRAIGHT SECTION
5	DO	FOR CURVED SECTION
6	CONNECTING FITTING	6×50×100
7	INSULATOR INSTALLING FITTING	FOR RIGID CANTILEVER
8	PULL-OFF	BOWED-TYPE L=900
9	DROPPER	6×38×565
10	DROPPER FITTING	48.6φ
11	PIPE	48.6φ
12	HARD DRAWN COPPER WIRE	CU 35mm²
13	POLE BAND	F1
14	DO	B1
15	INSULATOR INSTALLING FITTING	FOR DROP ARM
16	CONNECTING FITTING	6×50×150
17	DO	6×50×150
18	STEADY BRACE	
19	ROD FOR SPAN WIRE	13φ
20	PULLEY FOR PULL-OFF	

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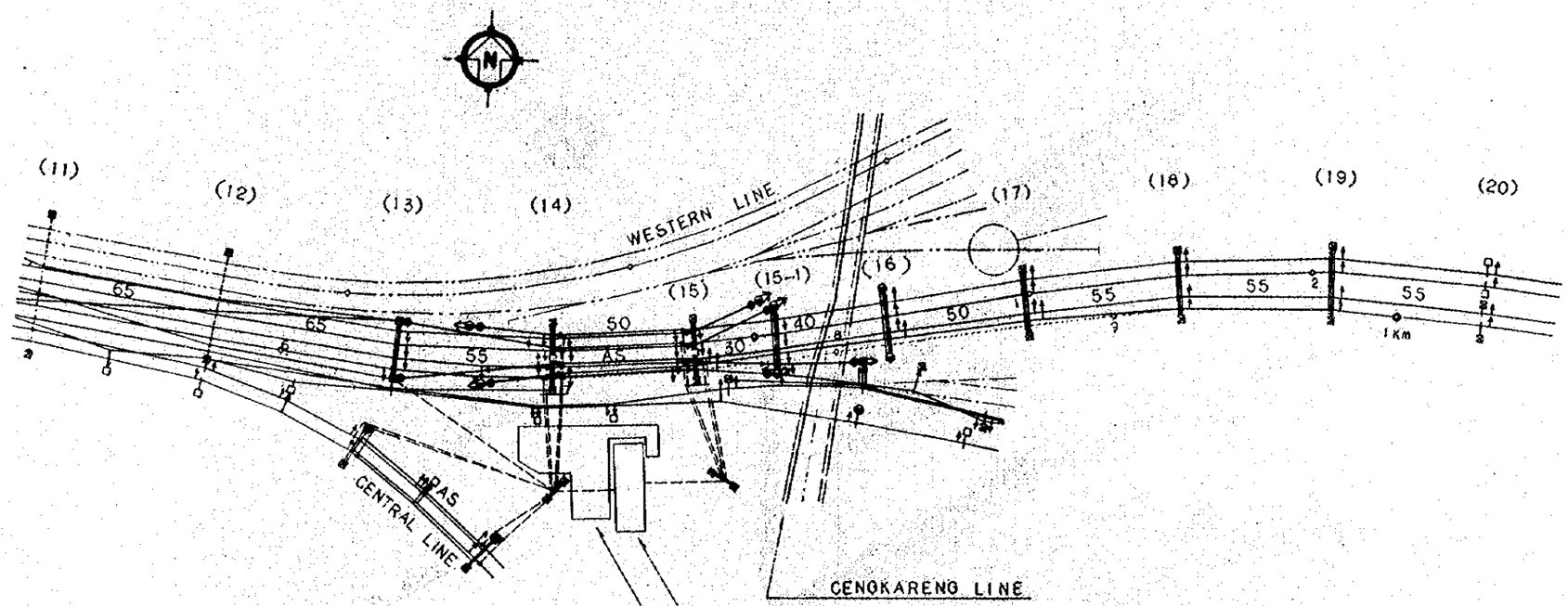
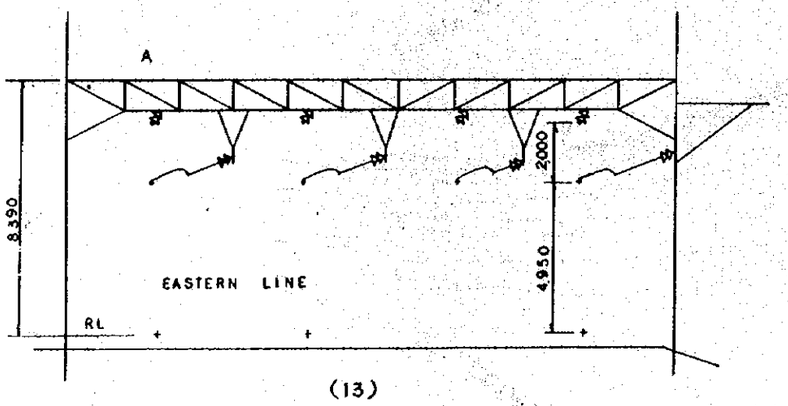
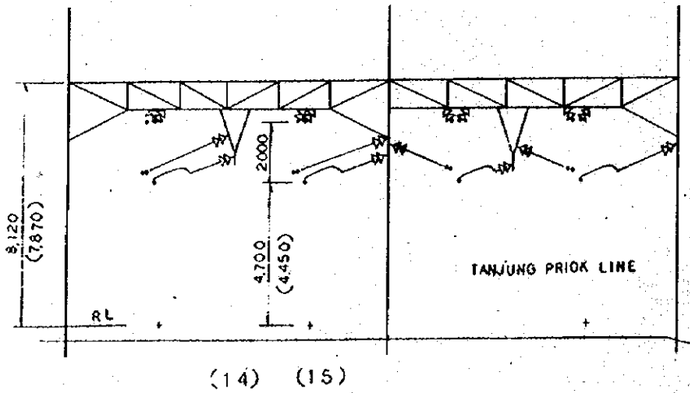
DETAILS OF PULL-OFF AND STEADY BRACE

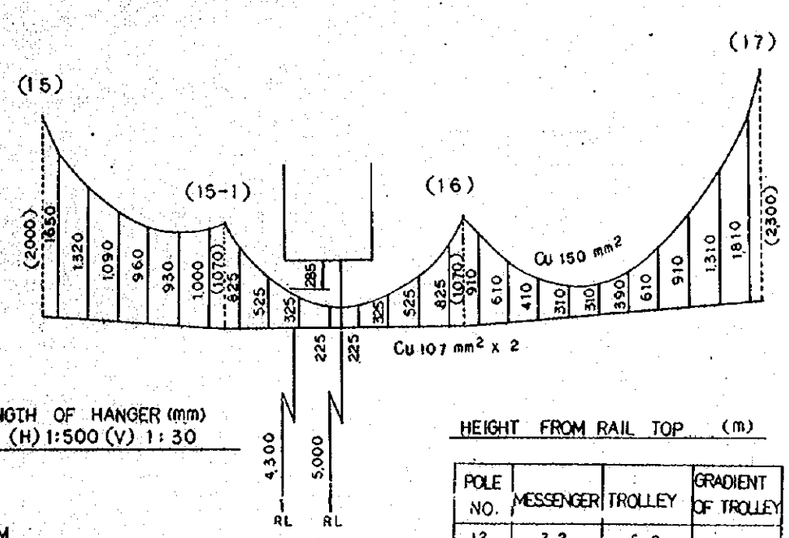
PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE 1:20 | DRAWING NO. EC-021

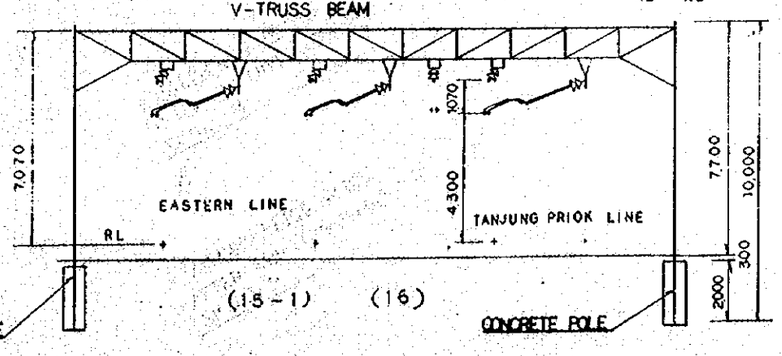








LENGTH OF HANGER (mm)
SCALE (H) 1:500 (V) 1:30



ASSEMBLY SKETCHES SCALE 1:100

HEIGHT FROM RAIL TOP (m)

POLE NO.	MESSENGER	TROLLEY	GRADIENT OF TROLLEY
12	7.2	5.2	
13	6.99	4.95	3.8/1000
14	6.72	4.70	4.5/"
15	6.47	4.45	5.0/"
15-1	5.37	4.3	5.0/"
16	5.37	4.3	0
17	6.52	4.52	4.4/"
18	6.79	4.79	4.9/"
19	7.06	5.06	4.9/"
20	7.3	5.3	4.3/"

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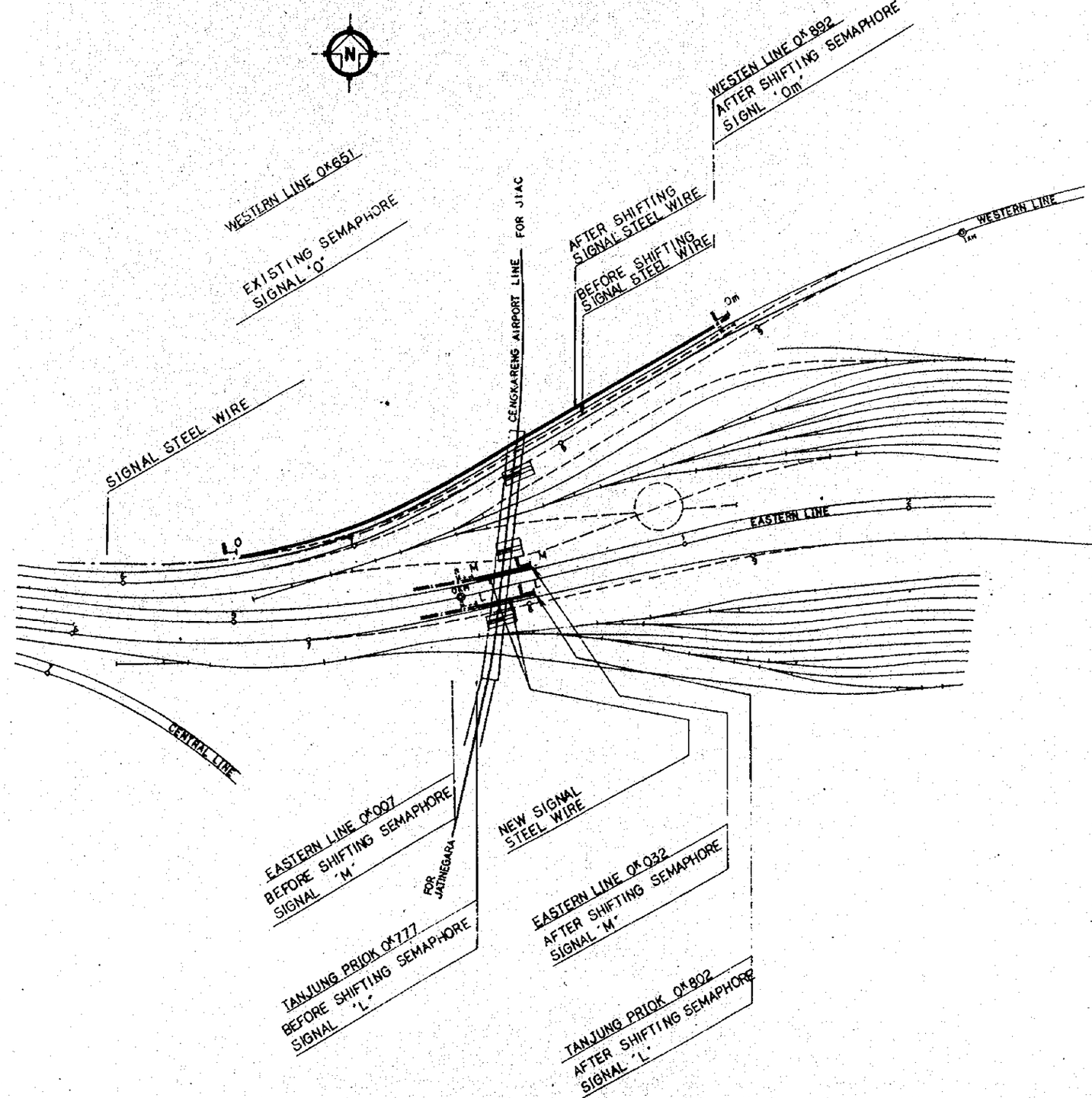
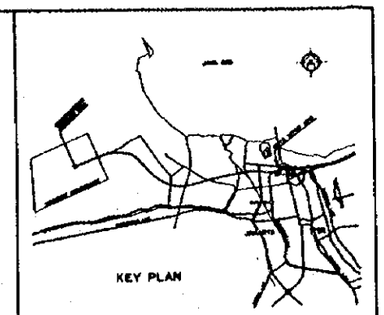
DIAGRAMMATIC PLAN OF TRACTION POWER DISTRIBUTION LINE FOR JAKARTA KOTA STATION

PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK

SCALE: AS NOTED

DRAWING NO: EC-025





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MODIFICATION OF EXISTING SIGNAL EQUIPMENT AT JAKARTA KOTA STATION

PACKAGE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:1,000

DRAWING NO.: ES - 035

LH-8