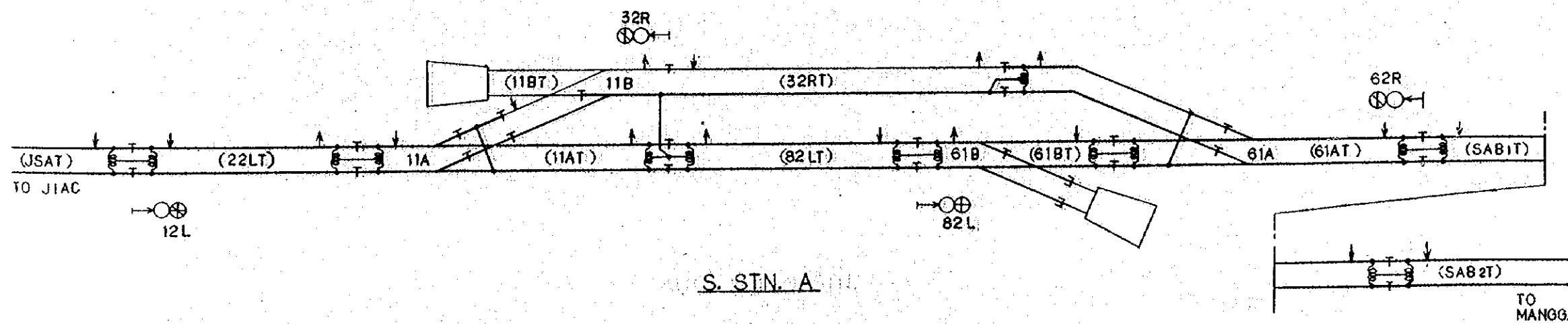
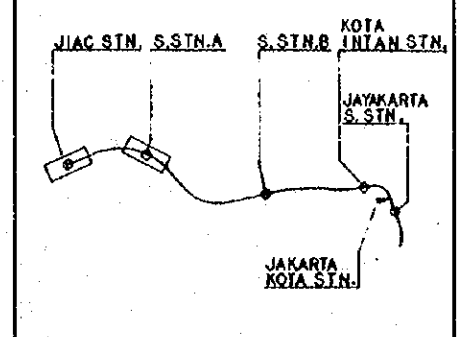


JIAC STN.



S. STN. A



LEGEND:

- : IMPEDANCE BOND
- INSULATED RAIL JOINT :**
- : TRACK CIRCUIT IN BOTH SIDES
- : TRACK CIRCUIT ONLY IN ONE SIDE
- TRACK CIRCUIT :**
- : DOUBLE RAIL TRACK CIRCUIT
- : SINGLE RAIL TRACK CIRCUIT
- (OOT) :** NAME OF TRACK CIRCUIT
- : JUMPER BOND
- : CROSS BOND
- : TRACK CIRCUIT TRANSMITTING POINT
- : TRACK CIRCUIT RECEIVING POINT

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 CONSTRUCTION PROJECT

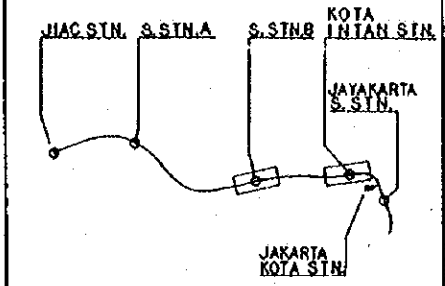
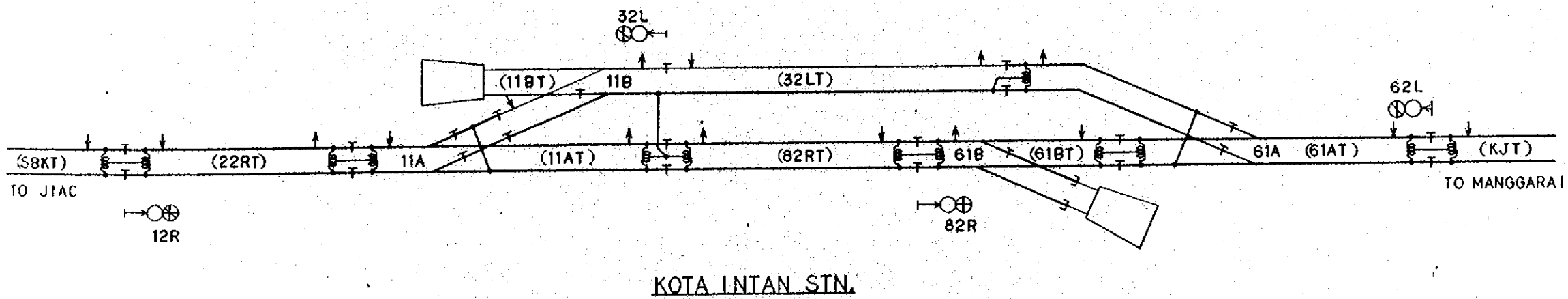
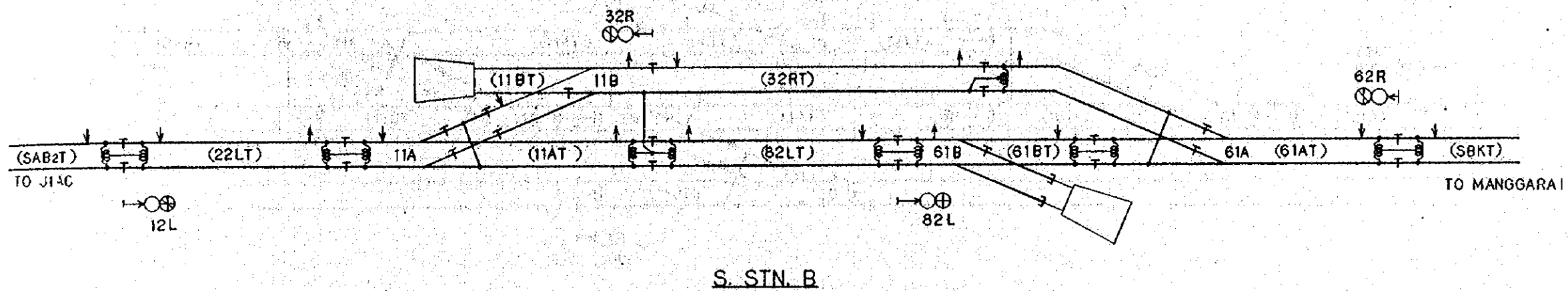
JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

REVISION	DATE	DESIGNED	CHECKED	APPROVED	INITIALED
B	1 Aug. 76	T. H. M.	S. S. D.	X. H.	M. K.
A	15 Feb. 74	T. H. M.	S. S. D.	X. H.	M. K.

TRACK CIRCUIT DIAGRAMS
 FOR
 JIAC AND SIGNAL STATION A

PROGRAM: **II ELECTRICAL WORK**

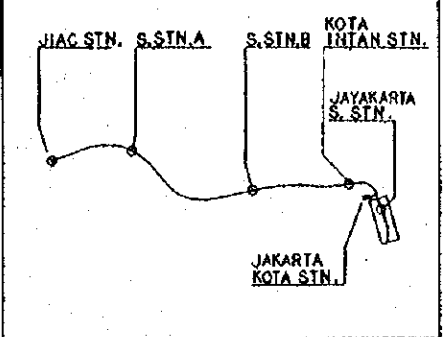
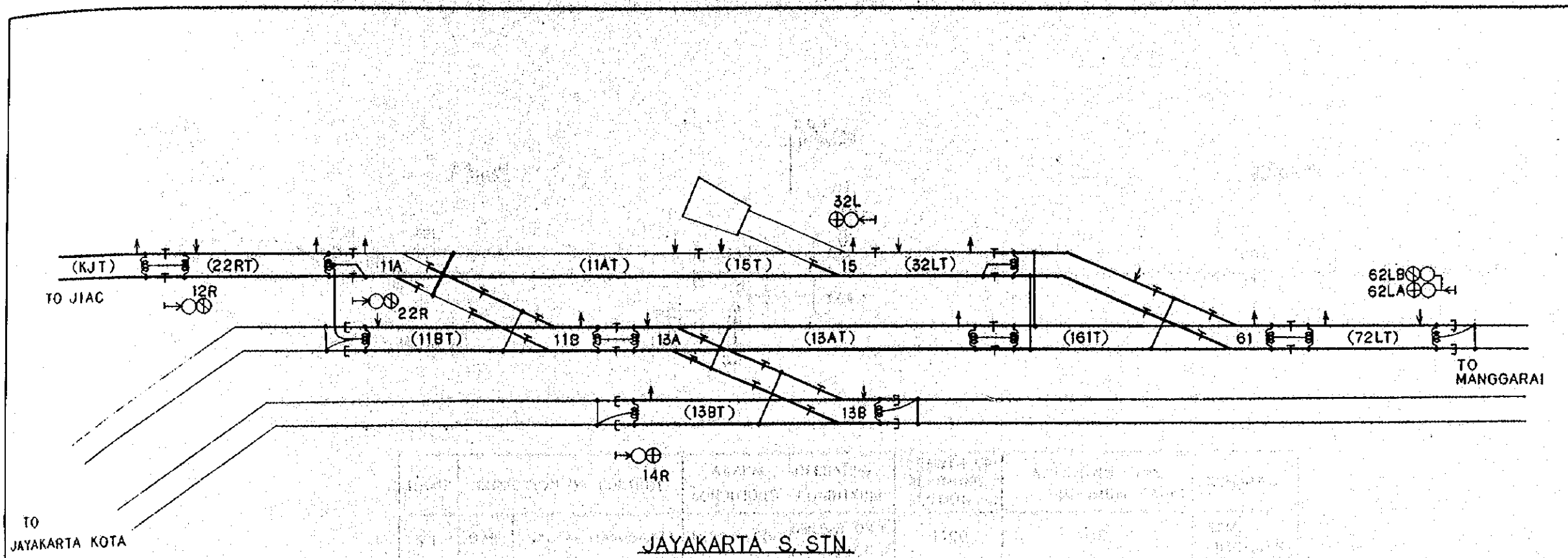
SCALE: **NON SCALE** DRAWING NO: **ES-006**



LEGEND:

- : IMPEDANCE BOND
- : INSULATED RAIL JOINT
- : TRACK CIRCUIT IN BOTH SIDES
- : DOUBLE RAIL TRACK CIRCUIT
- : SINGLE RAIL TRACK CIRCUIT
- : NAME OF TRACK CIRCUIT
- : JUMPER BOND
- : CROSS BOND
- : TRACK CIRCUIT TRANSMITTING POINT
- : TRACK CIRCUIT RECEIVING POINT

REPUBLIC OF INDONESIA					
MINISTRY OF COMMUNICATIONS					
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 Aug '86	7/20	K.K.	K.M.	K.K.
A	14 Feb '86	7/20	K.K.	K.M.	K.K.
REVISION	DATE	REVISION	DATE	REVISION	DATE
TRACK CIRCUIT DIAGRAMS FOR KOTA INTAN AND SIGNAL STATION B					
PACKAGE: II ELECTRICAL WORK					
SCALE: NOM SCALE		DRAWING NO: ES-007			



LEGEND :

- : IMPEDANCE BOND
- INSULATED RAIL JOINT :
- : TRACK CIRCUIT IN BOTH SIDES
- : TRACK CIRCUIT ONLY IN ONE SIDE
- TRACK CIRCUIT :
- : DOUBLE RAIL TRACK CIRCUIT
- : SINGLE RAIL TRACK CIRCUIT
- (OOT) : NAME OF TRACK CIRCUIT
- : JUMPER BOND
- : CROSS BOND
- : TRACK CIRCUIT TRANSMITTING POINT
- : TRACK CIRCUIT RECEIVING POINT

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 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

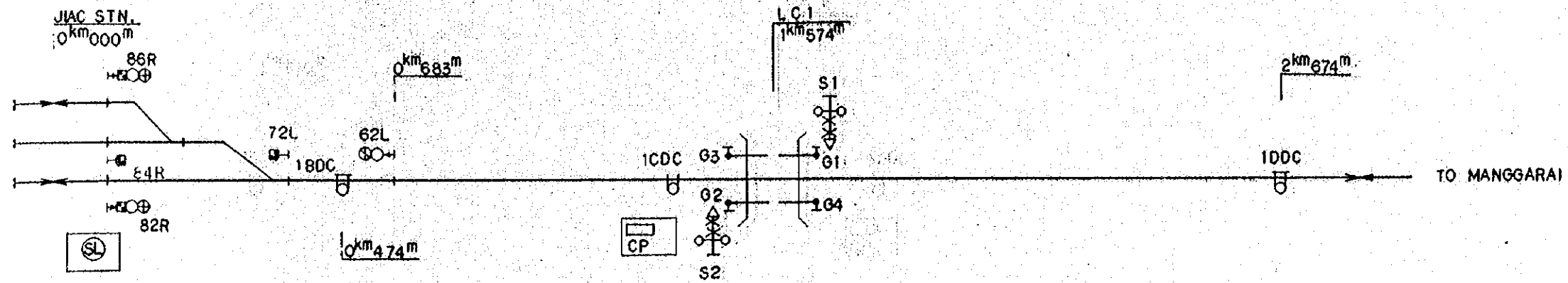
B	1 Aug. 84	Japan	1.20	K.M.	K.M.	K.M.
A	15 Feb. 84	Japan	1.20	K.M.	K.M.	K.M.

REVISION	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
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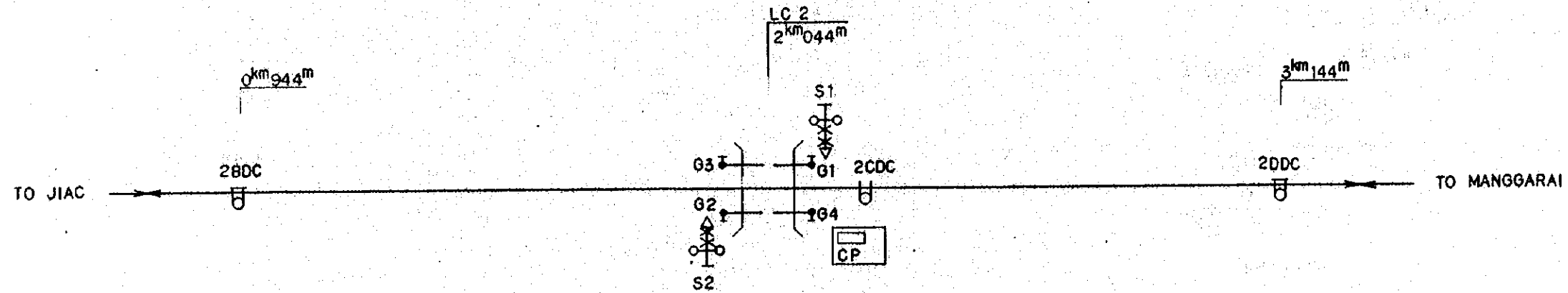
TRACK CIRCUIT DIAGRAMS
 FOR
 JAYAKARTA SIGNAL STATION

PACKAGE: II ELECTRICAL WORK

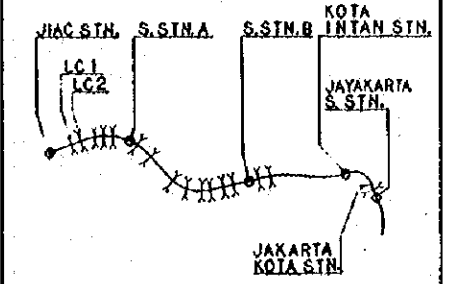
SCALE: NON SCALE DRAWING NO: ES-008



NAME	DIRECTION OF CONTROL	ALARM CONDITIONS	OPERATING CONDITIONS	LENGTH OF ALARMING SECTION (m)	ALARMING TIME MINIMUM (sec)	REMARKS
S 1	TO MANGGARAI	JIAC — MANGGARAI	18DC - 1CDC 86R 82R ON R OR (SL) ON R	1100	40	SEMI-AUTOMATIC
S 2	TO JIAC	MANGGARAI — JIAC	10DC - 1CDC	1100	40	DO



NAME	DIRECTION OF CONTROL	ALARM CONDITIONS	LENGTH OF ALARMING SECTION (m)	ALARMING TIME MINIMUM (sec)	REMARKS	
S 1	TO MANGGARAI	JIAC — MANGGARAI	28DC - 2CDC	1100	40	SEMI-AUTOMATIC
S 2	TO JIAC	MANGGARAI — JIAC	20DC - 2CDC	1100	40	DO



LEGEND:

- : SIGNAL CABIN OR WATCHMAN'S SHED
- △ : LEVEL CROSSING SIGNAL
- : LEVEL CROSSING BARRIER
- (SL) : SUBSTITUTION LEVER FOR STARTING TRAIN OPERATION
- CP : CONTROL PANEL
- ⊞ : TRAIN DETECTOR (CLOSED CIRCUIT TYPE)
- ⊞ : DO (OPEN CIRCUIT TYPE)
- : RUNNING SIGNAL
- ⊞ : SHUNTING SIGNAL
- ⊞ : EMERGENCY SIGNAL

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AND INLAND WATERWAYS

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CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

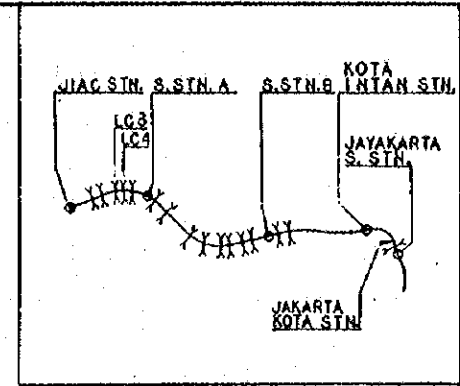
B	1 Aug. '86	1/20	KH	KM	JK
A	15 Feb. '86	2/20	KH	KM	JK

REVISION DATE DESIGNED DRAWN CHECKED APPROVED SUBMITTED

ALARM CONTROL DIAGRAMS
FOR
LEVEL CROSSING
NO. 1 AND 2

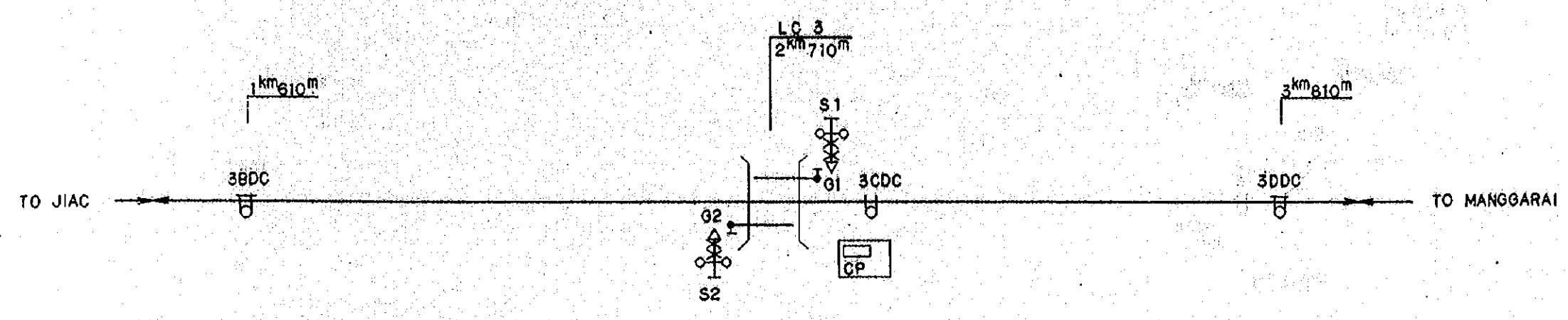
PACKAGE: III ELECTRICAL WORK

SCALE: NON SCALE PROJECT NO: ES-009

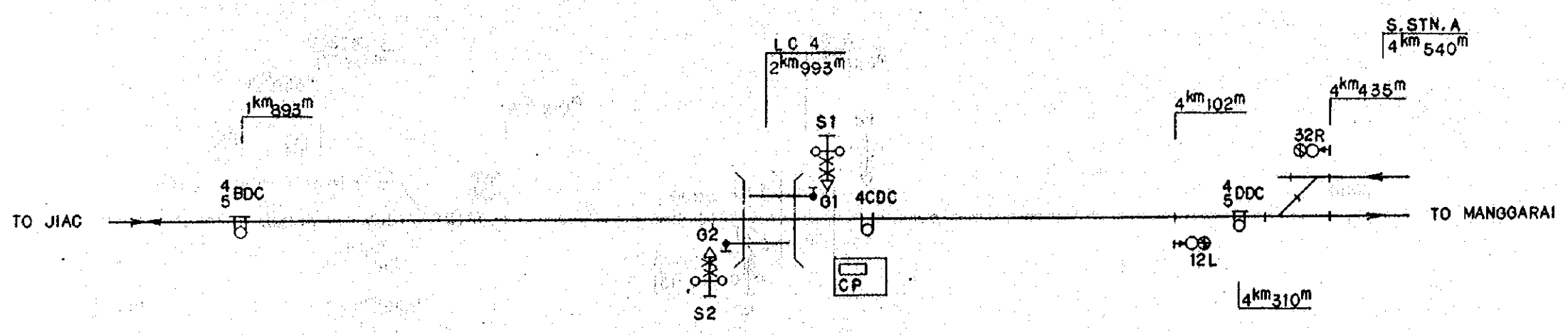


LEGEND:

- : SIGNAL CABIN OR WATCHMAN'S SHED
- △ : LEVEL CROSSING SIGNAL
- : LEVEL CROSSING BARRIER
- ⊙ (SL) : SUBSTITUTION LEVER FOR STARTING TRAIN OPERATION
- CP : CONTROL PANEL
- ⊖ : TRAIN DETECTOR (CLOSED CIRCUIT TYPE)
- ⊕ : DO (OPEN CIRCUIT TYPE)
- : RUNNING SIGNAL
- ⊖ (circle) : EMERGENCY SIGNAL



NAME	DIRECTION OF CONTROL	ALARM CONDITIONS	LENGTH OF ALARMING SECTION (m)	ALARMING TIME MINIMUM (sec)	REMARKS
S 1	TO Mf. JIAC — MANGGARAI	3BDC - 3CDC	1100	40	SEMI-AUTOMATIC
S 2	TO JIAC MANGGARAI — JIAC	3DDC - 3CDC	1100	40	DO



NAME	DIRECTION OF CONTROL	ALARM CONDITIONS	LENGTH OF ALARMING SECTION (m)	ALARMING TIME MINIMUM (sec)	REMARKS
S 1	TO Mf. JIAC — MANGGARAI	4BDC - 4CDC	1100	40	SEMI-AUTOMATIC
S 2	TO JIAC MANGGARAI — JIAC	4DDC - 4CDC	1317	47	DO

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 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

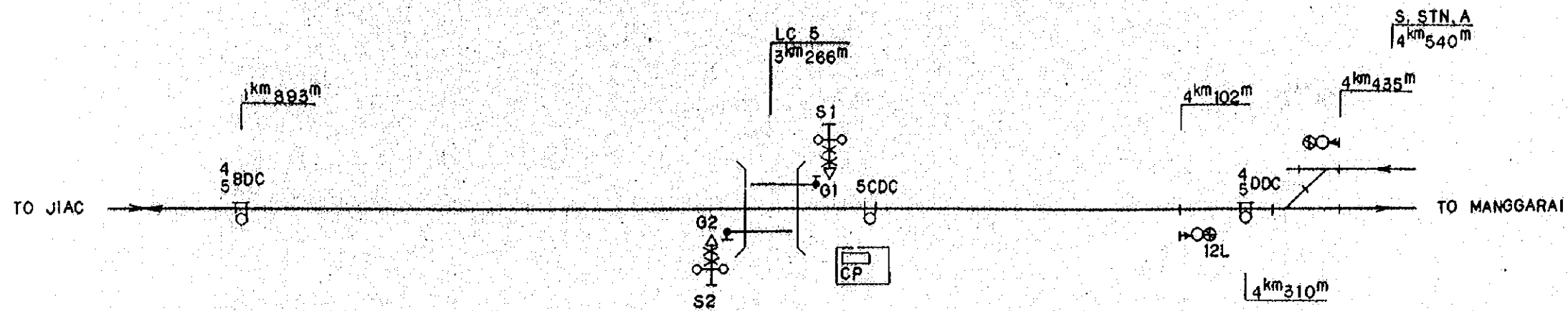
B	1 Aug. 86	7/20	7/20	KM	K.M.	M.K.
A	14 Feb. 86	7/20	7/20	KM	K.M.	M.K.

REVISIONS: DATE, REVISION, NAME, CHECKED, REVIEWED, SUBMITTED

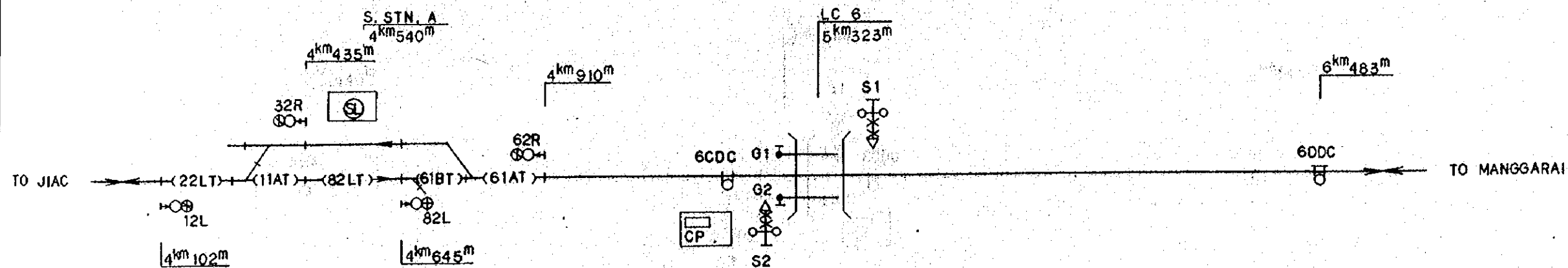
ALARM CONTROL DIAGRAMS
 FOR
 LEVEL CROSSING
 NO. 3 AND 4

PACKAGE: ELECTRICAL WORK

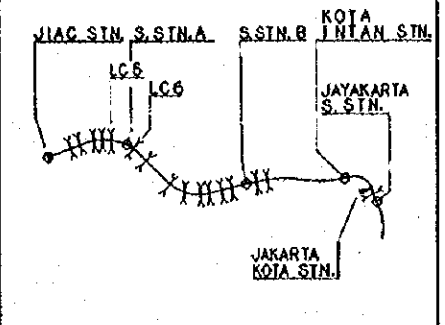
SCALE: NON SCALE DRAWING NO: ES-010



NAME	DIRECTION OF CONTROL	ALARM CONDITIONS	LENGTH OF ALARMING SECTION (m)	ALARMING TIME MINIMUM (sec)	REMARKS
S 1	TO MFL JIAC — MANGGARAI	4/5 BDC - 5CDC	1373	50	SEMI-AUTOMATIC
S 2	TO JIAC MANGGARAI — JIAC	4/5 DDC + 5CDC	1044	40	DO



NAME	DIRECTION OF CONTROL	ALARM CONDITIONS	OPERATING CONDITIONS	LENGTH OF ALARMING SECTION (m)	ALARMING TIME MINIMUM (sec)	REMARKS
S 1	PASSING	JAC - MANGGARAI	22LT, 11AT, 82LT, 61BT, 61AT - 6CDC	1221	44	SEMI-AUTOMATIC
S 2	TO MFL	OUT-GOING	82LT - MANGGARAI - 6CDC	678	40	DO
	TO JIAC	MANGGARAI - JIAC	6DDC - 6CDC	1160	40	DO



- LEGEND:
- : SIGNAL CABIN OR WATCHMAN'S SHED
 - ⚡ : LEVEL CROSSING SIGNAL
 - ⚡ : LEVEL CROSSING BARRIER
 - ⊙ : SUBSTITUTION LEVER FOR STARTING TRAIN OPERATION
 - CP : CONTROL PANEL
 - ⊞ : TRAIN DETECTOR (CLOSED CIRCUIT TYPE)
 - ⊞ : DO (OPEN CIRCUIT TYPE)
 - ⊙ : RUNNING SIGNAL
 - ⊙ : EMERGENCY SIGNAL

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B	1 Aug '86	T. S.	J.S.D	K.K	K.M	K.K
A	16 Feb. '86	T. S.	J.S.D	K.K	K.M	K.K

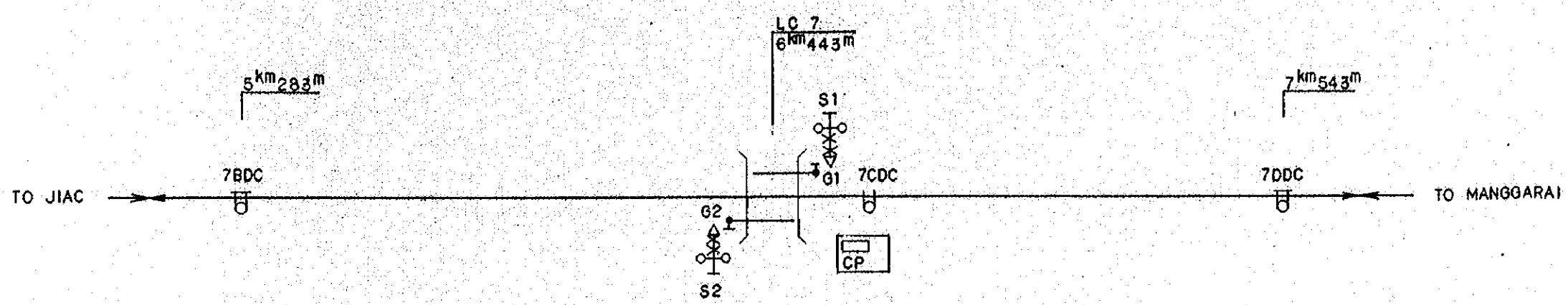
REVISIONS: DATE, DESIGNED, DRAWN, CHECKED, REVIEWED, SUBMITTED

ALARM CONTROL DIAGRAMS FOR LEVEL CROSSING NO. 5 AND 6

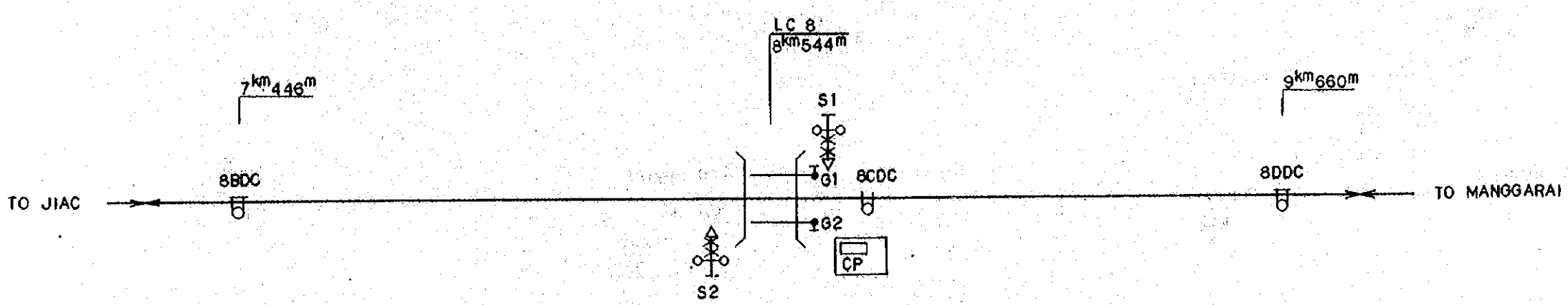
PACKAGE: ELECTRICAL WORK

SCALE: NON SCALE

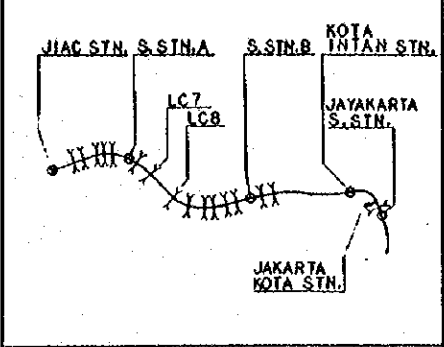
ES-011



NAME	DIRECTION OF CONTROL		ALARM CONDITIONS	LENGTH OF ALARMING SECTION(m)	ALARMING TIME MINIMUM (sec)	REMARKS
S 1	TO Mng.	JIAC -- MANGGARAI	7BDC - 7CDC	1160	42	SEMI - AUTOMATIC
S 2	TO JIAC	MANGGARAI -- JIAC	7DDC - 7CDC	1100	40	DO



NAME	DIRECTION OF CONTROL		ALARM CONDITIONS	LENGTH OF ALARMING SECTION(m)	ALARMING TIME MINIMUM (sec)	REMARKS
S 1	TO Mng.	JIAC -- MANGGARAI	8BDC - 8CDC	1098	40	SEMI - AUTOMATIC
S 2	TO JIAC	MANGGARAI -- JIAC	8DDC - 8CDC	1116	40	DO



- LEGEND:
- : SIGNAL CABIN OR WATCHMAN'S SHED
 - △ : LEVEL CROSSING SIGNAL
 - ⊥ : LEVEL CROSSING BARRIER
 - ⊙(SL) : SUBSTITUTION LEVER FOR STARTING TRAIN OPERATION
 - CP : CONTROL PANEL
 - ⊞ : TRAIN DETECTOR (CLOSED CIRCUIT TYPE)
 - ⊞ : DO (OPEN CIRCUIT TYPE)

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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

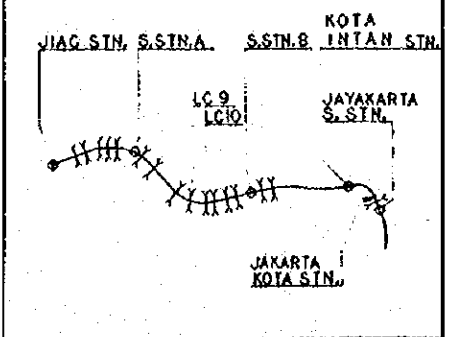
B	1 Aug '86	Tjgani	JTB	KH	KM	AK
A	15 Feb '86	Tjgani	JTB	KH	KM	AK

REVISIONS: [] [] [] [] [] []

ALARM CONTROL DIAGRAMS FOR LEVEL CROSSING NO. 7 AND 8

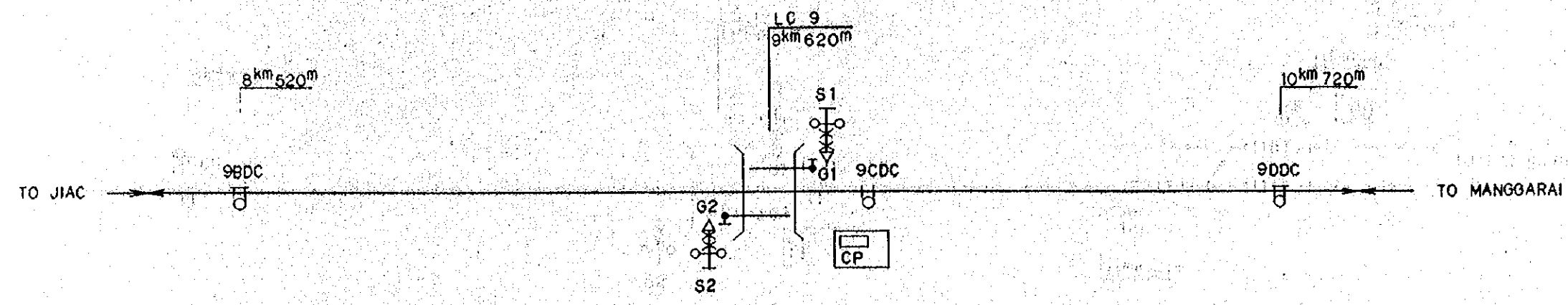
PROGRAM: ELECTRICAL WORK

SCALE: NON SCALE DRAWING NO: ES-012

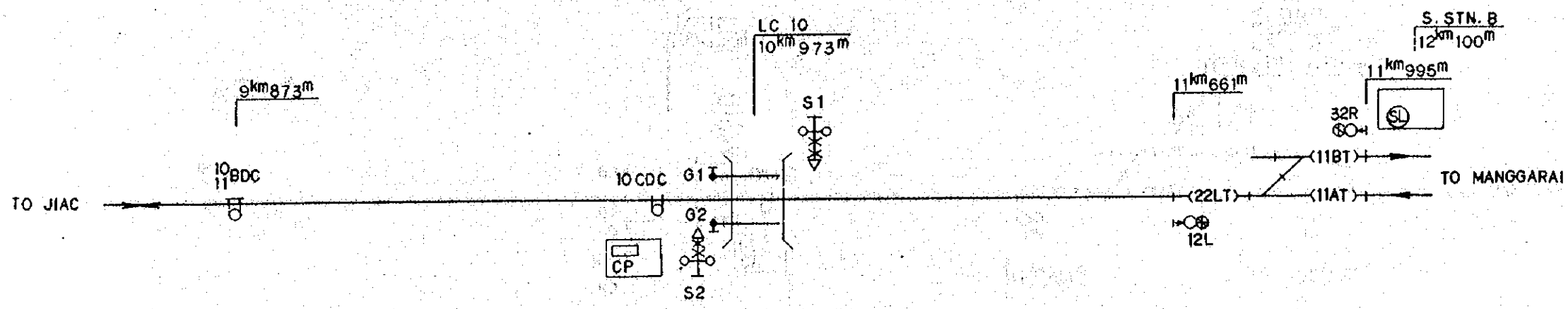


LEGEND:

- : SIGNAL CABIN OR WATCHMAN'S SHED
- △ : LEVEL CROSSING SIGNAL
- ⊥ : LEVEL CROSSING BARRIER
- ⊙ (SL) : SUBSTITUTION LEVER FOR STARTING TRAIN OPERATION
- CP : CONTROL PANEL
- ⊞ : TRAIN DETECTOR (CLOSED CIRCUIT TYPE)
- ⊞ (O) : DO (OPEN CIRCUIT TYPE)
- ⊙ (O) : RUNNING SIGNAL
- ⊙ (E) : EMERGENCY SIGNAL



NAME	DIRECTION OF CONTROL	ALARM CONDITIONS	LENGTH OF ALARMING SECTION (m)	ALARMING TIME MINIMUM (sec)	REMARKS
S 1	TO Mgr. JIAC — MANGGARAI	9BDC-9CDC	1100	40	SEMI-AUTOMATIC
S 2	TO JIAC MANGGARAI — JIAC	9DDC-9CDC	1100	40	DO



NAME	DIRECTION OF CONTROL	ALARM CONDITIONS	OPERATING CONDITIONS	LENGTH OF ALARMING SECTION (m)	ALARMING TIME MINIMUM (sec)	REMARKS
S 1	TO Mgr. JIAC — MANGGARAI	10BDC-10CDC		1100	40	SEMI-AUTOMATIC
S 2	TO JIAC MANGGARAI — JIAC	11BT, 11AT, 22LT - 10CDC	32R ON R OR SL ON R	1023	43	DO

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NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

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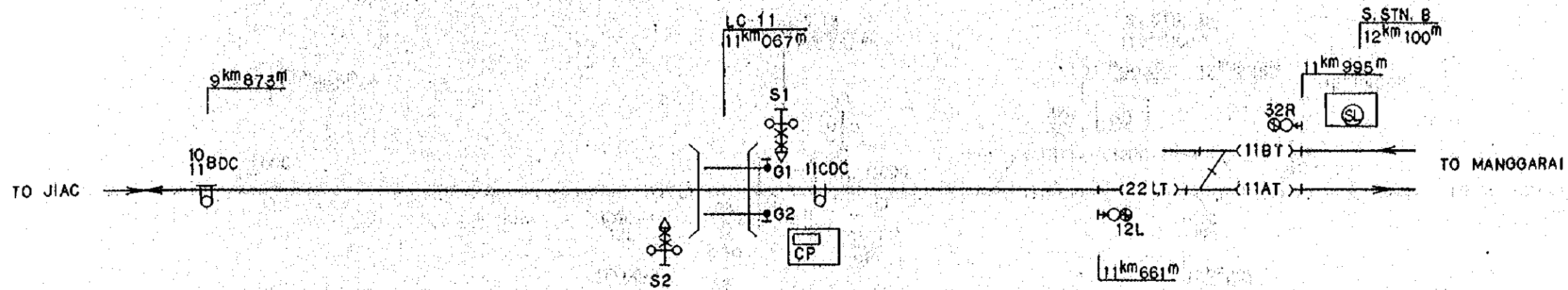
B	1 Aug. 66	Design	3.20	K.H.	K.M.	M.K.
A	18 Feb. 66	Design	3.20	K.H.	K.M.	M.K.

REVISIONS: DATE, DESIGNED, DRAWN, CHECKED, REVIEWED, SUBMITTED

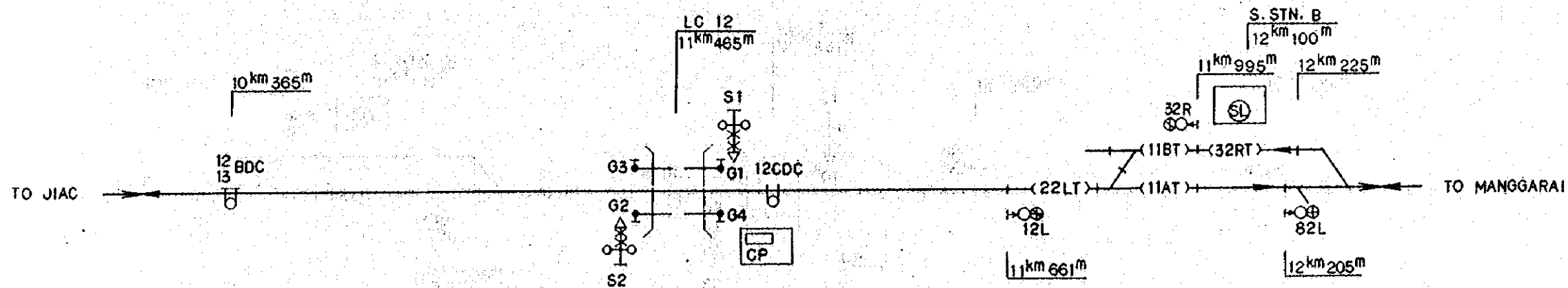
ALARM CONTROL DIAGRAMS FOR LEVEL CROSSING NO. 9 AND 10

PACKAGE: ELECTRICAL WORK

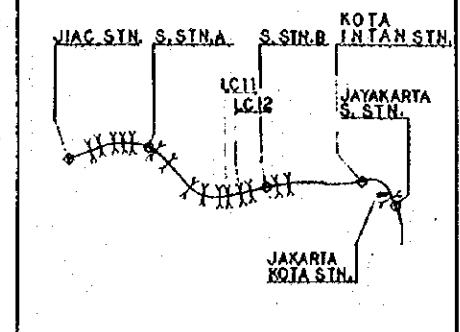
SCALE: NON SCALE DRAWING NO: ES-013



NAME	DIRECTION OF CONTROL	ALARM CONDITIONS	OPERATING CONDITIONS	LENGTH OF ALARMING SECTION (m)	ALARMING TIME MINIMUM (sec)	REMARKS
S 1	TO Mfr. JIAC - MANGGARAI	10 BDC - 11 CDC		1194	43	SEMI - AUTOMATIC
S 2	TO JIAC MANGGARAI - JIAC	11 BT, 11 AT, 22 LT - 11 CDC	32R ON 'R' OR SL ON 'R'	928	40	DO



NAME	DIRECTION OF CONTROL	ALARM CONDITIONS	OPERATING CONDITIONS	LENGTH OF ALARMING SECTION (m)	ALARMING TIME MINIMUM (sec)	REMARKS
S 1	TO Mfr. JIAC - MANGGARAI	12 BDC - 12 CDC		1100	40	SEMI - AUTOMATIC
S 2	TO JIAC MANGGARAI - JIAC	32RT, 11BT, 11AT, 22 LT - 12 CDC	32R ON 'R' OR SL ON 'R'	760	40	DO



LEGEND :

- : SIGNAL CABIN OR WATCHMAN'S SHED
- ⚡ : LEVEL CROSSING SIGNAL
- ⚡ : LEVEL CROSSING BARRIER
- ⊗ : SUBSTITUTION LEVER FOR STARTING TRAIN OPERATION
- CP : CONTROL PANEL
- ⊞ : TRAIN DETECTOR (CLOSED CIRCUIT TYPE)
- ⊞ : DO (OPEN CIRCUIT TYPE)
- ⊙ : RUNNING SIGNAL
- ⊙ : EMERGENCY SIGNAL

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NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

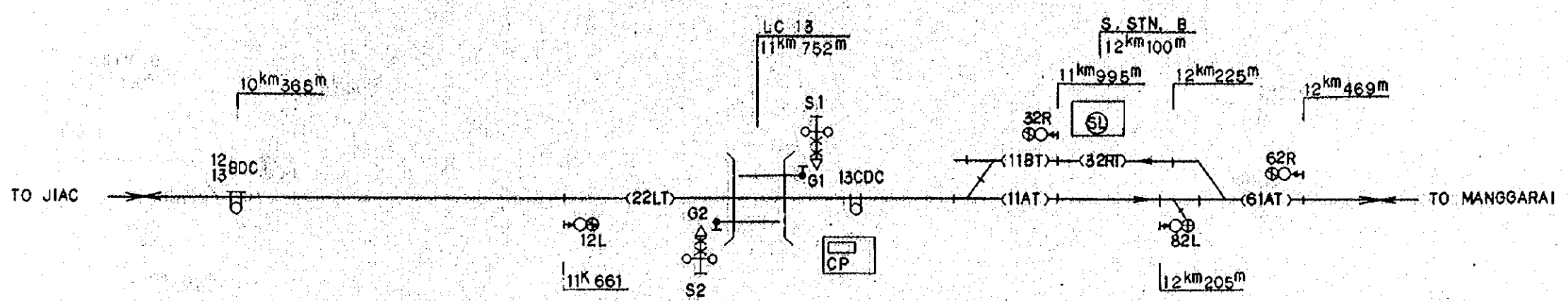
B	1 Aug. '66	7/10/66	3/20/66	R.K.	U.M.	K.
A	15 Feb. '66	7/10/66	3/20/66	K.H.	K.Y.	K.
REVISION	DATE	DESIGNED	CHECKED	APPROVED	REVIEWED	SUBMITTED

ALARM CONTROL DIAGRAMS
 FOR
 LEVEL CROSSING
 NO. 11 AND 12

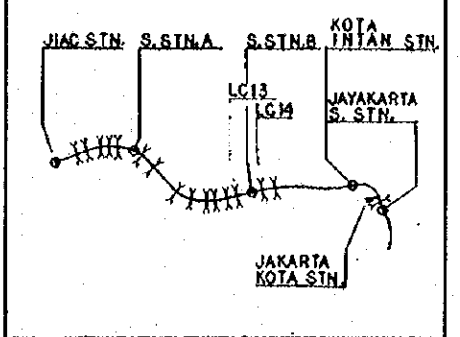
PACKAGE: II ELECTRICAL WORK

SCALE: NOM SCALE

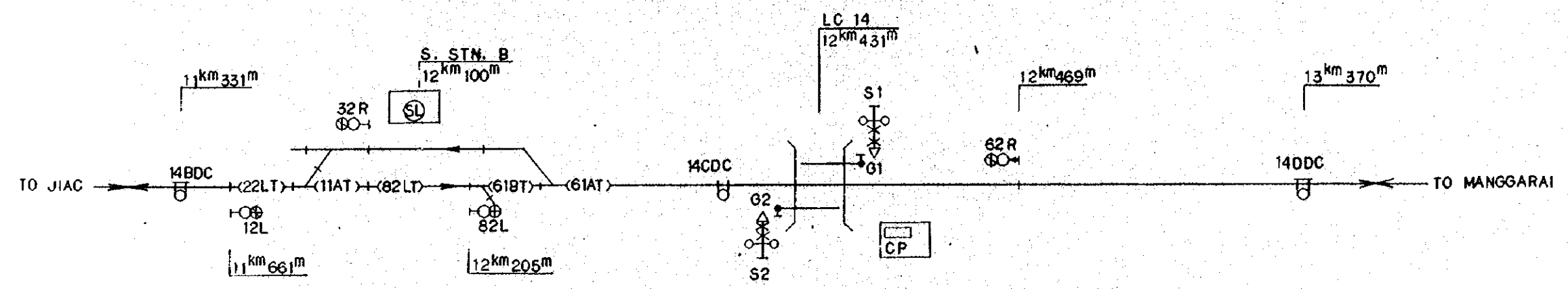
Drawing No: ES-014



NAME	DIRECTION OF CONTROL		ALARM CONDITIONS	OPERATING CONDITIONS	LENGTH OF ALARMING SECTION (m)	ALARMING TIME MINIMUM (sec)	REMARKS
S 1	TO Mri.	JIAC - MANGGARAI	12 BDC - 13CDC		1387	50	SEMI - AUTOMATIC
S 2	PASSING	MANGGARAI - JIAC	61AT, 32R	62R, 32R ON 'R'	717	57	DO
	OUT - GOING	32RT - JIAC	32RT, 11BT, 11AT - 13CDC	32R ON 'R' OR (SL) ON 'R'	243	40	DO



- LEGEND:
- : SIGNAL CABIN OR WATCHMAN'S SHED
 - △ : LEVEL CROSSING SIGNAL
 - : LEVEL CROSSING BARRIER
 - ⊙ (SL) : SUBSTITUTION LEVER FOR STARTING TRAIN OPERATION
 - CP : CONTROL PANEL
 - ⊕ : TRAIN DETECTOR (CLOSED CIRCUIT TYPE)
 - ⊖ : DO (OPEN CIRCUIT TYPE)
 - ⊙ : RUNNING SIGNAL
 - ⊕ : EMERGENCY SIGNAL



NAME	DIRECTION OF CONTROL		ALARM CONDITIONS	OPERATING CONDITIONS	LENGTH OF ALARMING SECTION (m)	ALARMING TIME MINIMUM (sec)	REMARKS	
S 1	TO Mri.	PASSING	JIAC - MANGGARAI	14BDC, 22LT, 11AT	82L, 12L ON 'L'	1100	40	SEMI - AUTOMATIC
		OUT - GOING	82LT - MANGGARAI	82LT, 61BT, 61AT - 14CDC	82L ON 'L' OR (SL) ON 'L'	226	40	DO
S 2	TO JIAC	MANGGARAI - JIAC	14DDC - 14CDC		939	40	DO	

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NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT

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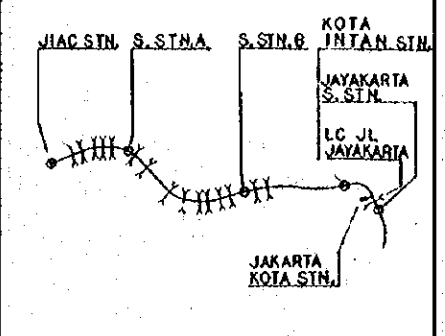
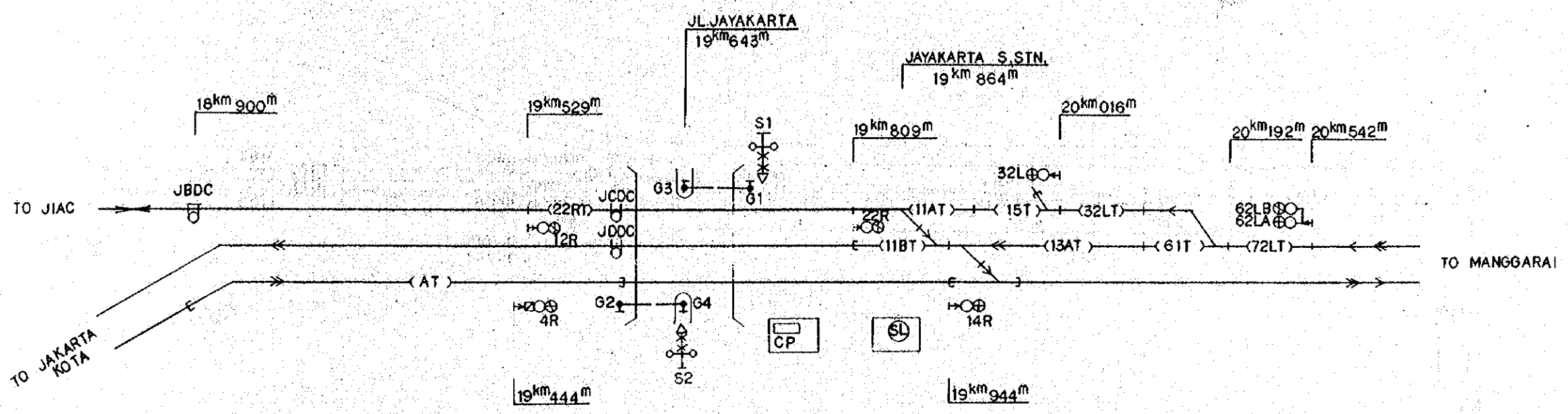
B	1. Apr. '88	10/100	3.7/0	KM	K.M.	K.K.
A	15 Feb. '88	10/100	3.7/0	KM	K.M.	K.K.

REVISION DATE DESIGNED DRAWN CHECKED REVIEWED SUBMITTED

ALARM CONTROL DIAGRAMS FOR LEVEL CROSSING NO. 13 AND 14

PACKAGE: ELECTRICAL WORK

SCALE: NON SCALE DRAWING NO: ES-015



- LEGEND:
- : SIGNAL CABIN OR WATCHMAN'S SHED
 - ⬆ : LEVEL CROSSING SIGNAL
 - ⬆ : LEVEL CROSSING BARRIER
 - ⊙ (SL) : SUBSTITUTION LEVER FOR STARTING TRAIN OPERATION
 - CP : CONTROL PANEL
 - ⊖ : TRAIN DETECTOR (CLOSED CIRCUIT TYPE)
 - ⊕ : DO (OPEN CIRCUIT TYPE)
 - ⊙ : RUNNING SIGNAL
 - ⊙ (with lightning bolt) : EMERGENCY SIGNAL

NAME	DIRECTION OF CONTROL	ALARM CONDITIONS	OPERATING CONDITIONS	LENGTH OF ALARMING SECTION (m)	ALARMING TIME MINIMUM (sec)	REMARKS
S 1	TO Mri.	JIAC - MANGGARAI	JBDC - JCDC	743	40	SEMI-AUTOMATIC
	TO JIAC	PASSING	MANGGARAI - JIAC	72LT, 61T, 32LT	62LB, 32L ON 'L'	DO
		OUT-GOING	32LT - JIAC	32LT	15T, 11AT, -JCDC	32L ON 'L' OR (SL) ON 'L'
S 2	TO Mri.	JAKARTA KOTA - MANGGARAI	AT	566	40	DO
	TO JAKARTA KOTA	MANGGARAI - JAKARTA KOTA	61T	13AT, 11BT - JDDC	62LA ON 'L' OR (SL) ON 'L'	DO

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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)

B	1.10.2017	1.10.2017	1.10.2017	1.10.2017	1.10.2017	1.10.2017
A	1.10.2017	1.10.2017	1.10.2017	1.10.2017	1.10.2017	1.10.2017

REVISIONS DATE DESIGNED CHECKED REVIEWED SUBMITTED

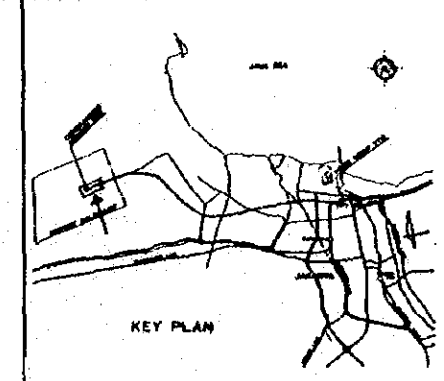
ALARM CONTROL DIAGRAMS FOR LEVEL CROSSING JL. JAYAKARTA

PACKAGE: ELECTRICAL WORK

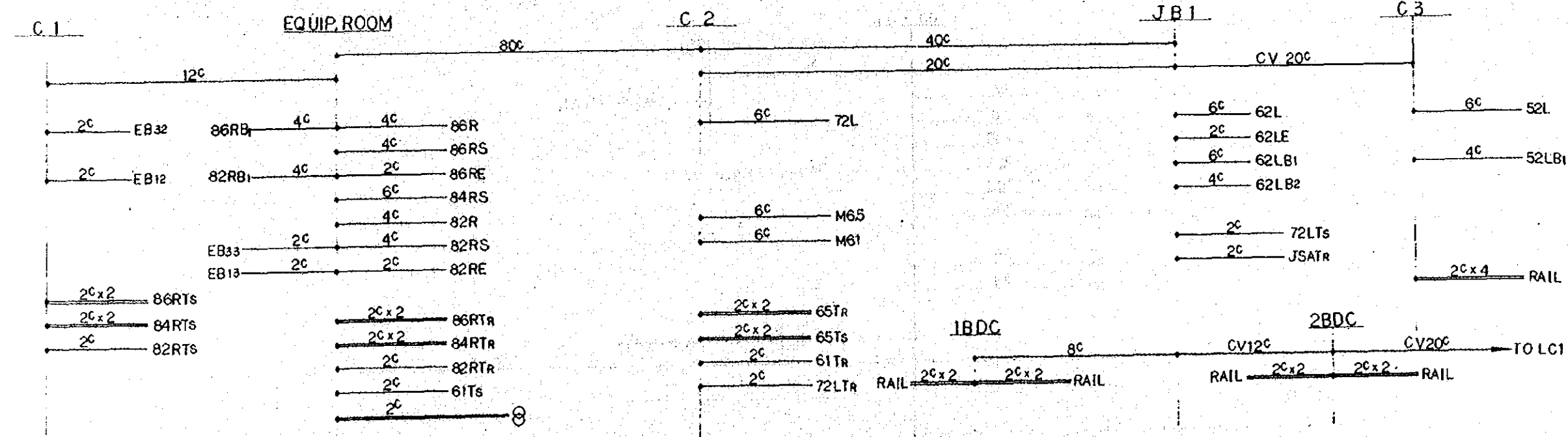
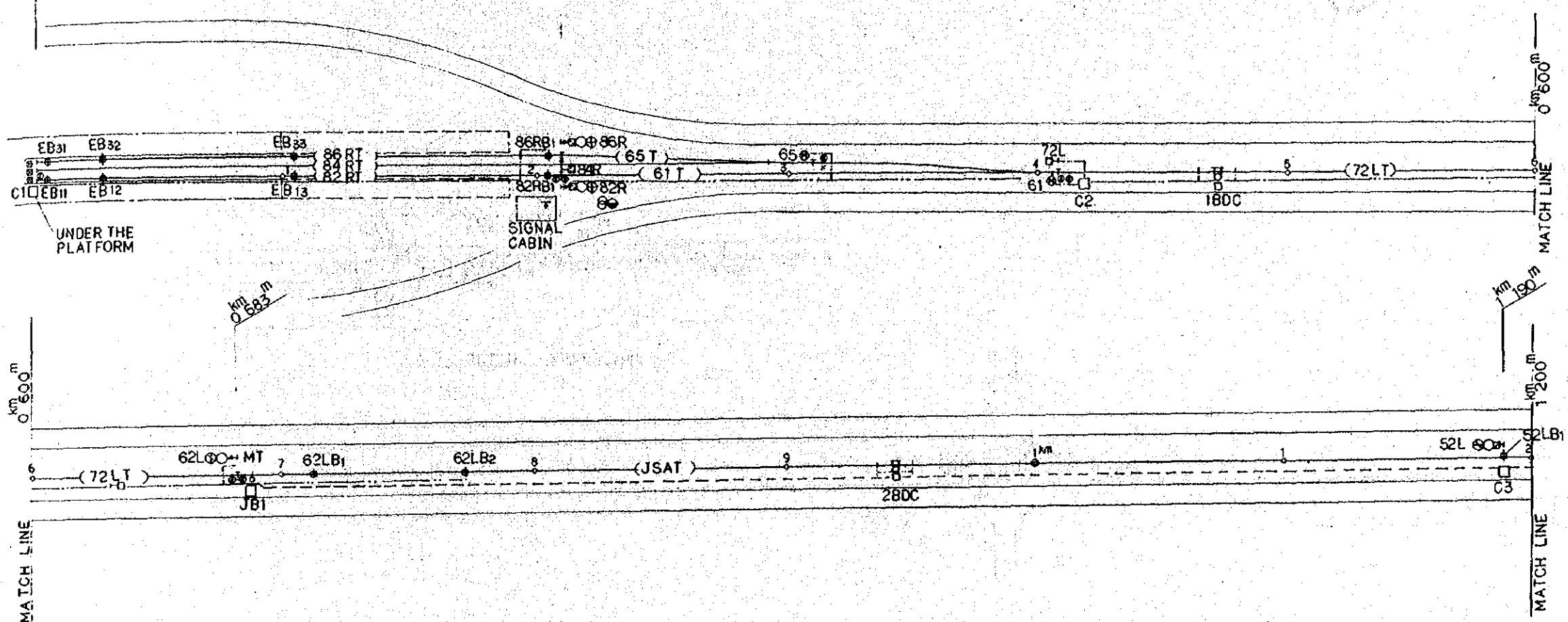
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JAC. STN.
0 km 000 m

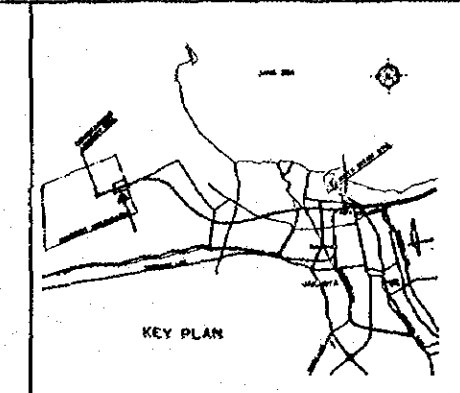
km m
0 210



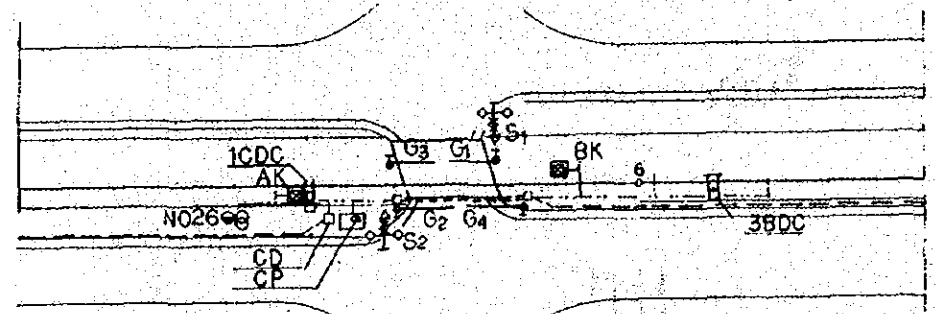
NOTE:
FOR SYMBOLS SEE
DWG. NO. EG-003



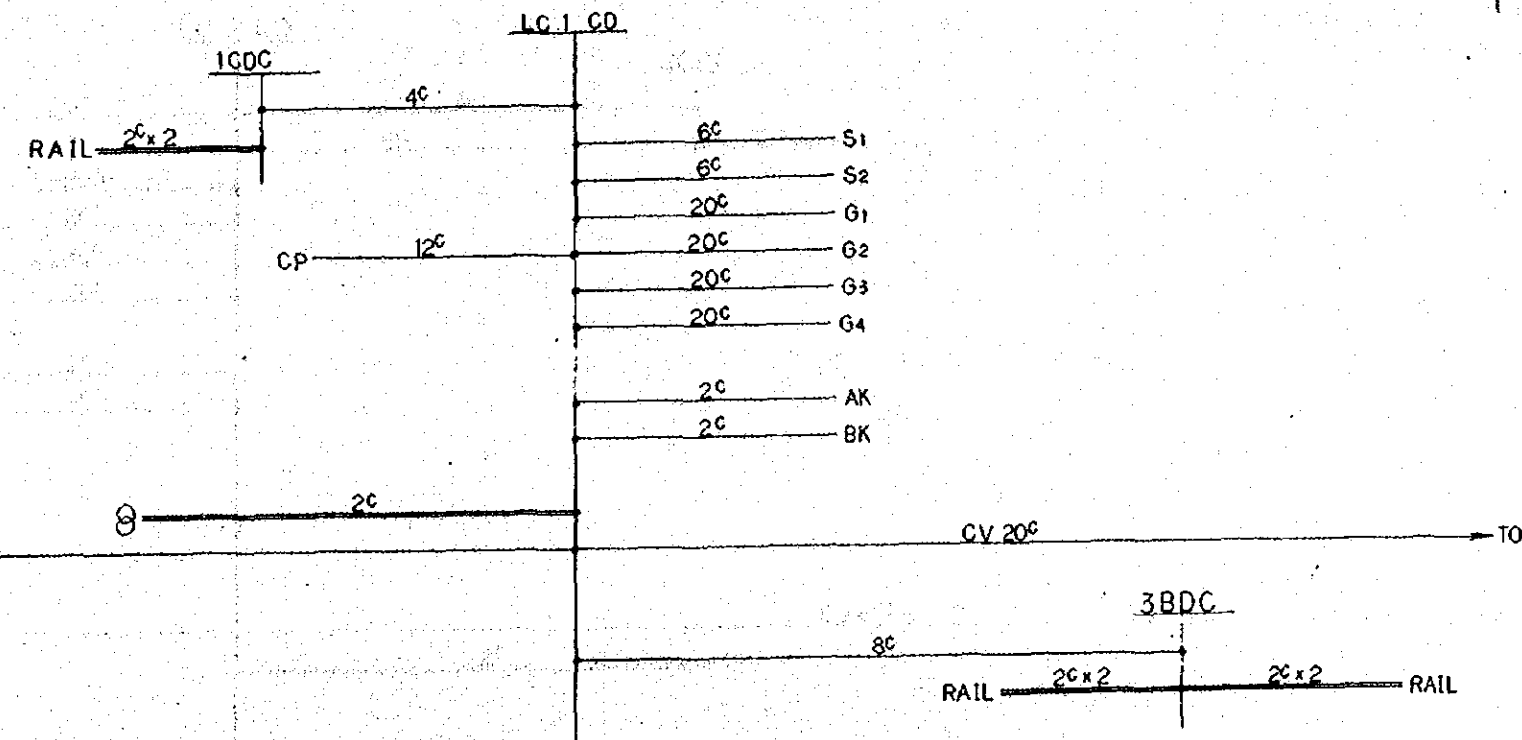
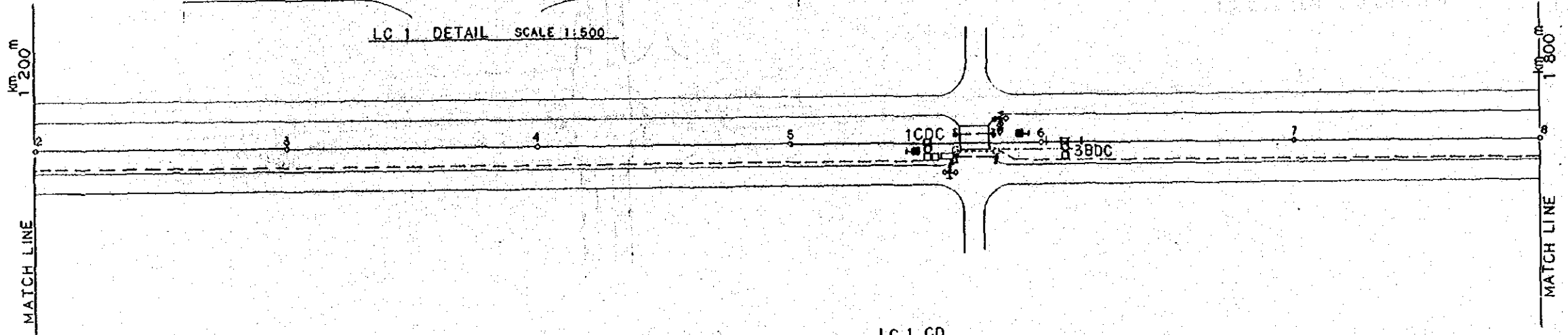
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 Aug '86	T. J. J.	7/20	EW	K.M.	M.K.
A	15 Feb '86	T. J. J.	7/20	EW	K.M.	M.K.
REVISION	DATE	DESIGNED	CHECKED	APPROVED	REVIEWED	SUBMITTED
SIGNAL EQUIPMENT PLAN (SHEET 1 OF 15)						
PACKAGE: ■ ELECTRICAL WORK						
SCALE 1:1000		DRAWING NO. ES-018				



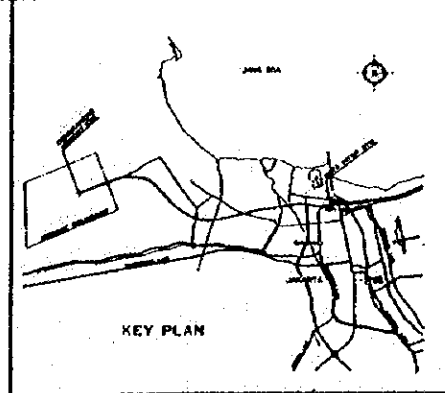
NOTE:
FOR SYMBOLS SEE
DWG. NO. EG-003



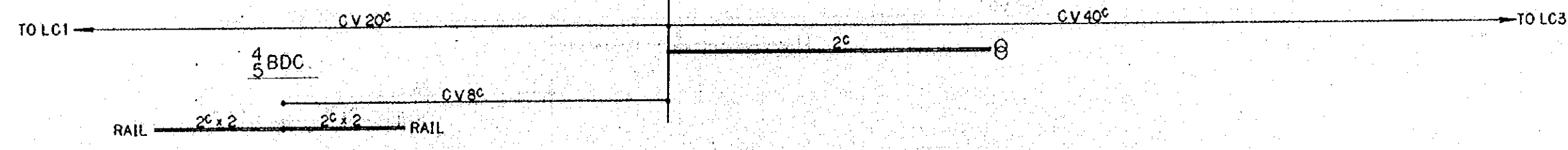
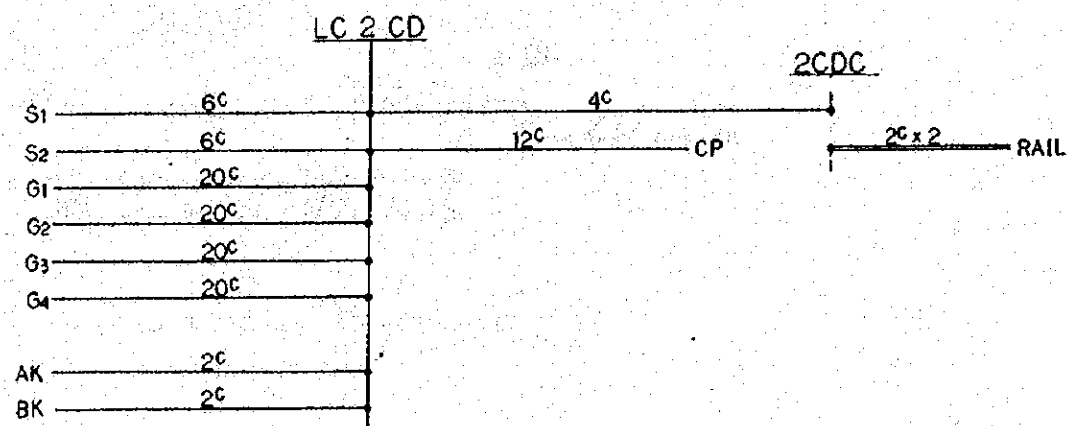
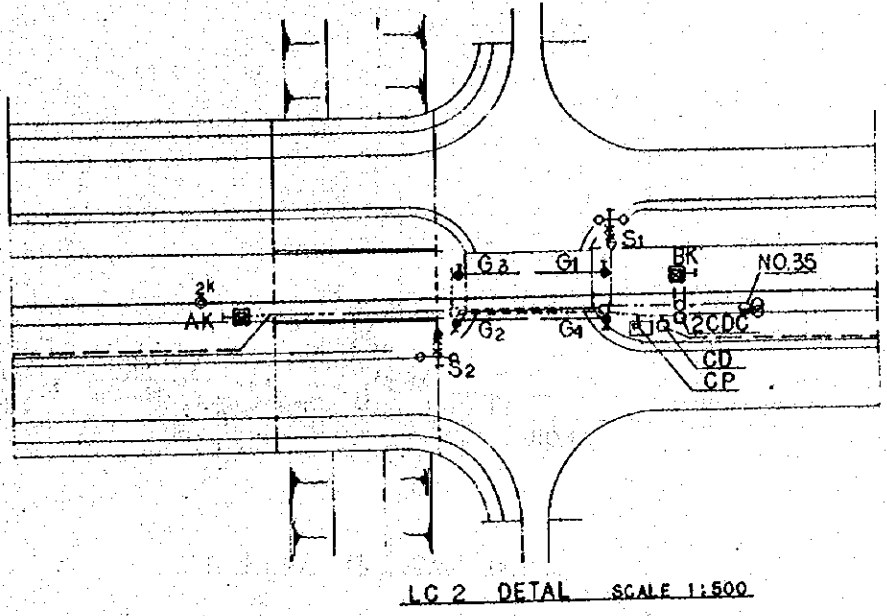
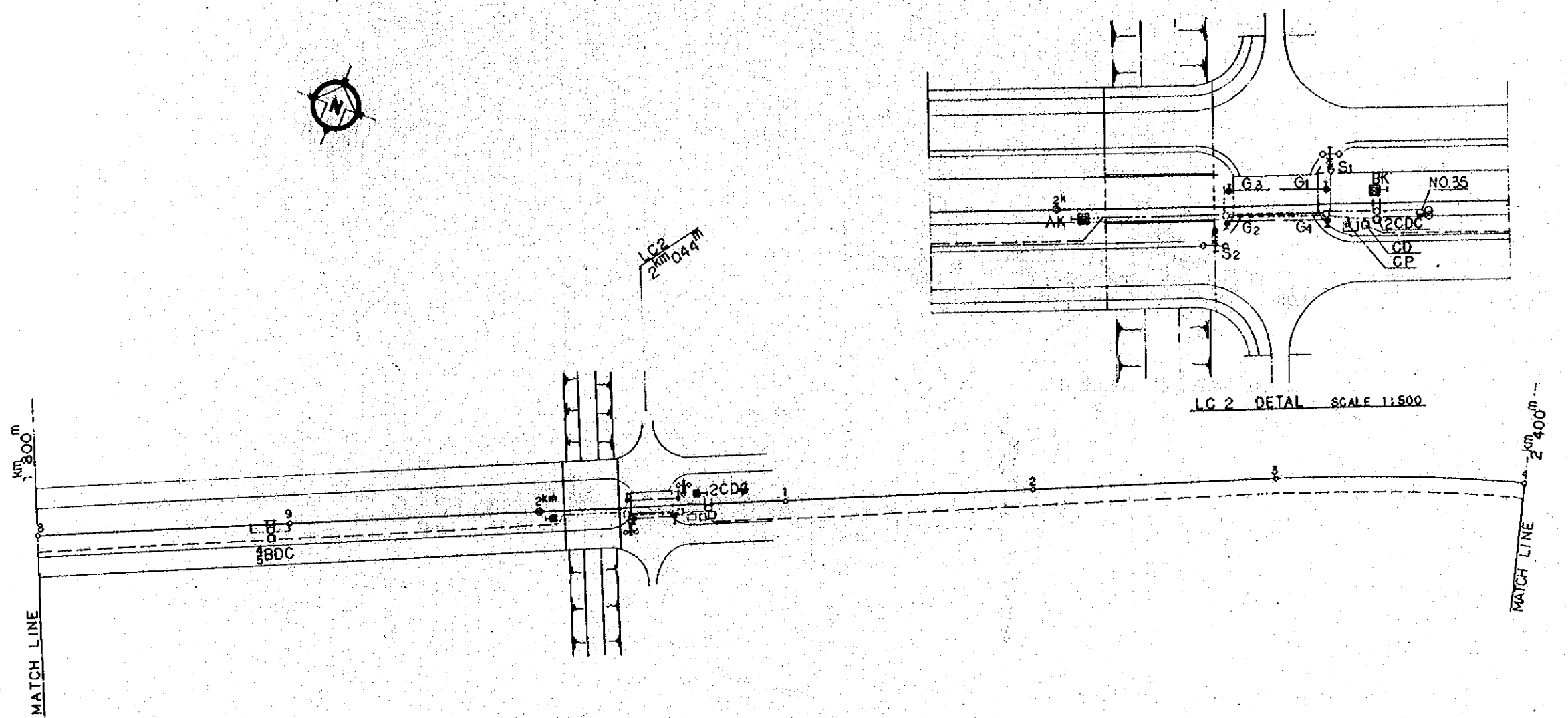
LC 1
Km 574 m



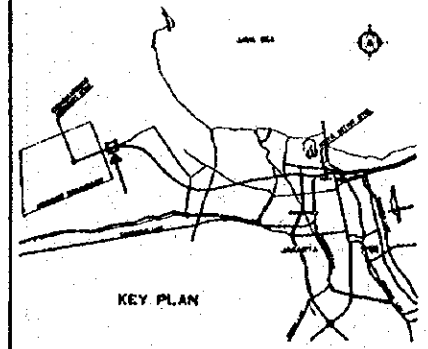
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 Aug '86	Topan	3/26	K.H.	K.S.A.
A	15 Feb '86	Topan	1/26	K.H.	K.S.A.
REVISIONS	DATE	DESIGNED	CHECKED	APPROVED	SUBMITTED
SIGNAL EQUIPMENT PLAN (SHEET 2 OF 15)					
PROGRAM: ELECTRICAL WORK					
SCALE: 1:1000		DRAWING NO: ES-019			



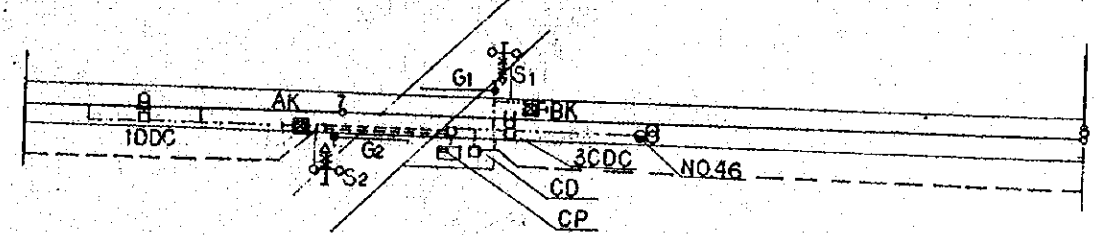
NOTE:
FOR SYMBOLS SEE
DWG. NO. EG-003



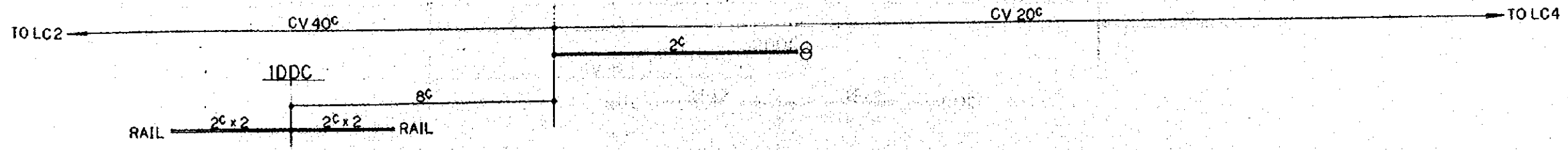
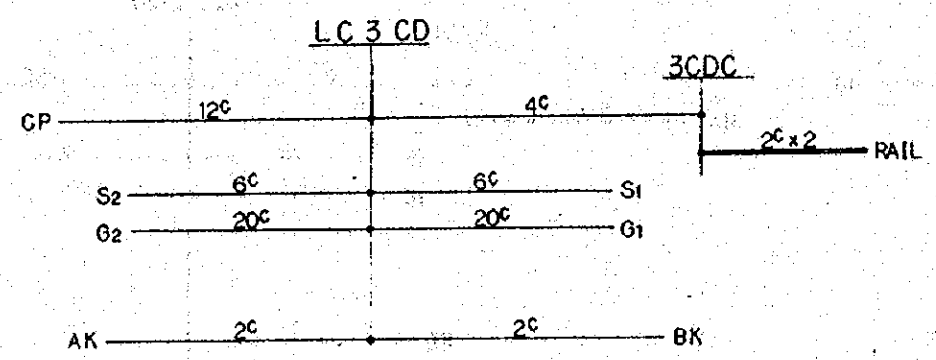
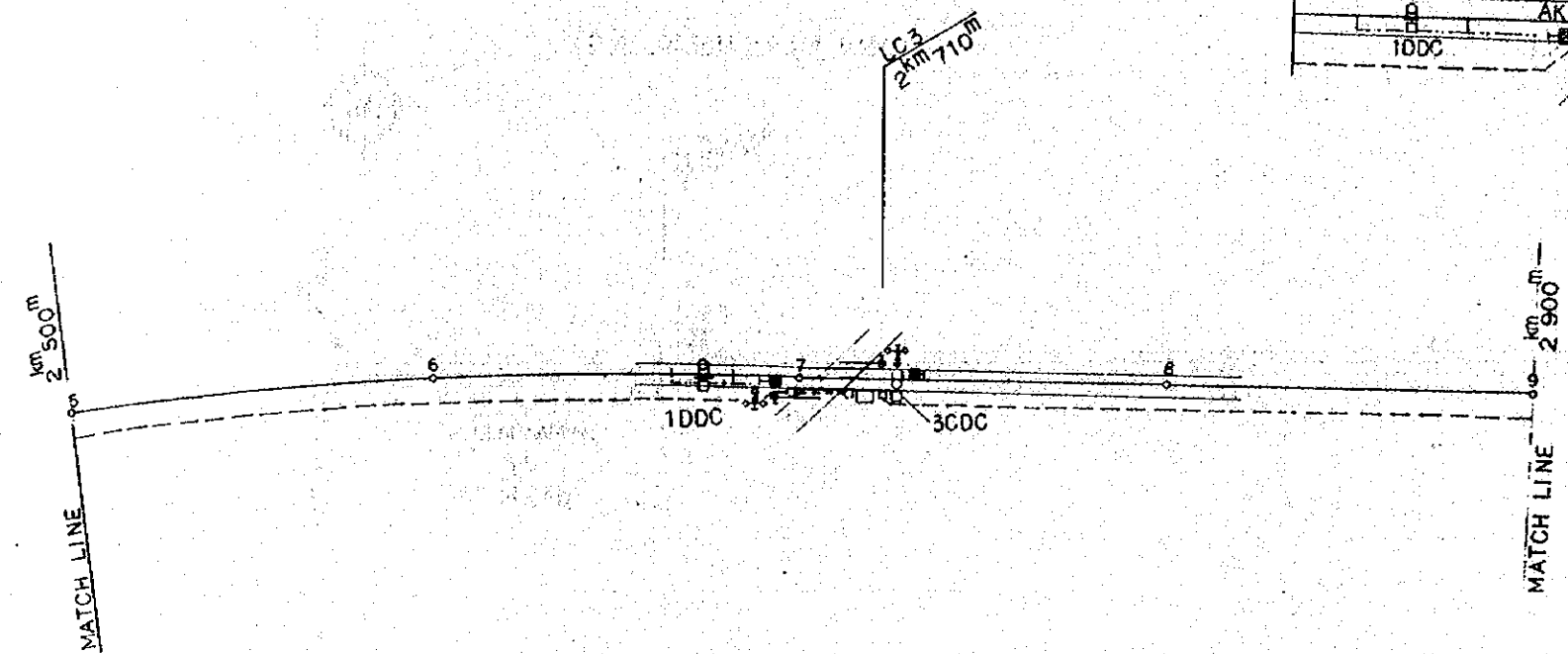
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 Aug. '86	Design	3.26.0	K.H.	K.M.	M.K.
A	15 Feb. '86	Design	3.26.0	K.H.	K.M.	M.K.
REVISIONS	DATE	REVISIONS	DATE	DESIGNED	CHECKED	SUBMITTED
SIGNAL EQUIPMENT PLAN (SHEET 3 OF 15)						
PACKAGE: ELECTRICAL WORK						
SCALE: 1:1000		DRAWING NO: ES-020				



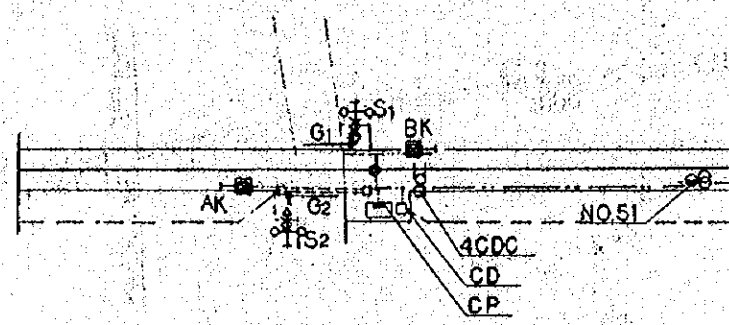
NOTE:
FOR SYMBOLS SEE
DWG. NO. EG-003



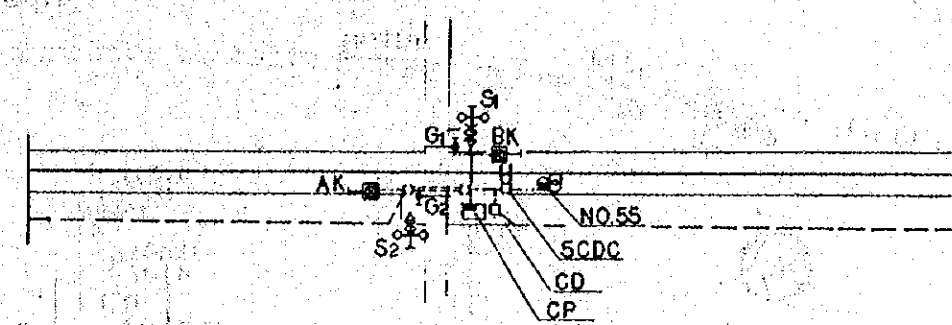
LC 3 DETAIL SCALE 1:600



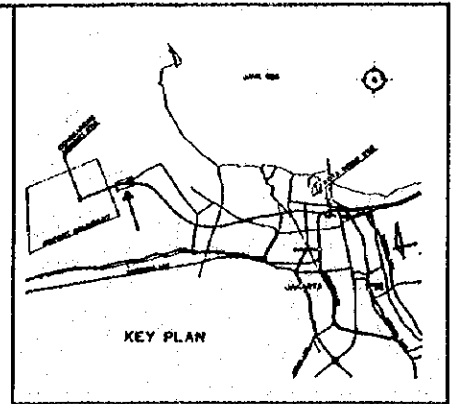
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1.8.84	K	7.20	K.M	K.M	K.M
A	8.10.84	K	7.20	K.M	K.M	K.M
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED	SUBMITTED
SIGNAL EQUIPMENT PLAN (SHEET 4 OF 15)						
PACKAGE: III ELECTRICAL WORK						
SCALE: 1:1000		DRAWING NO: ES-021				



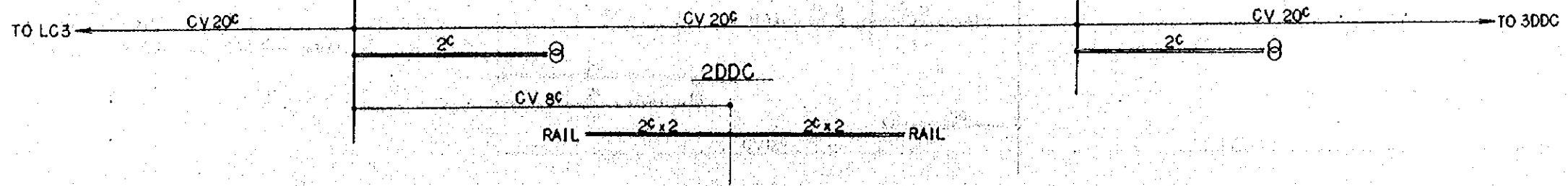
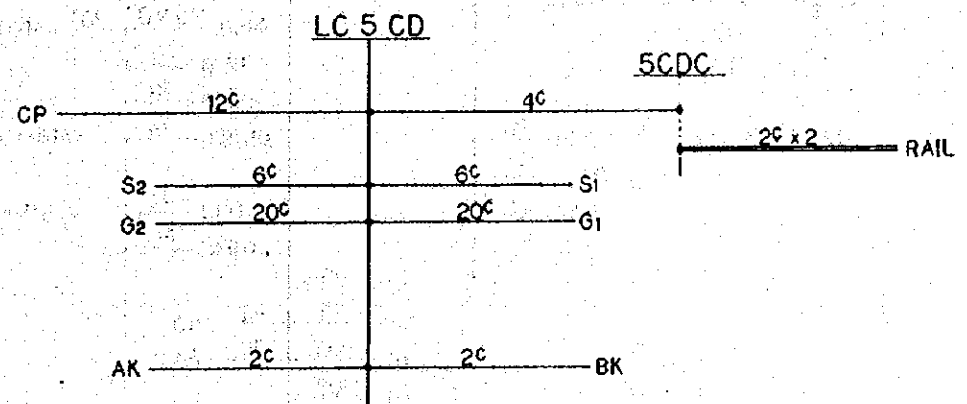
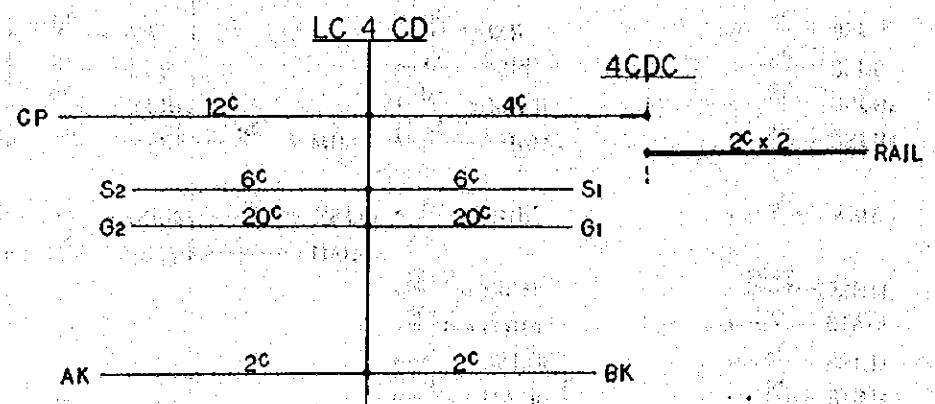
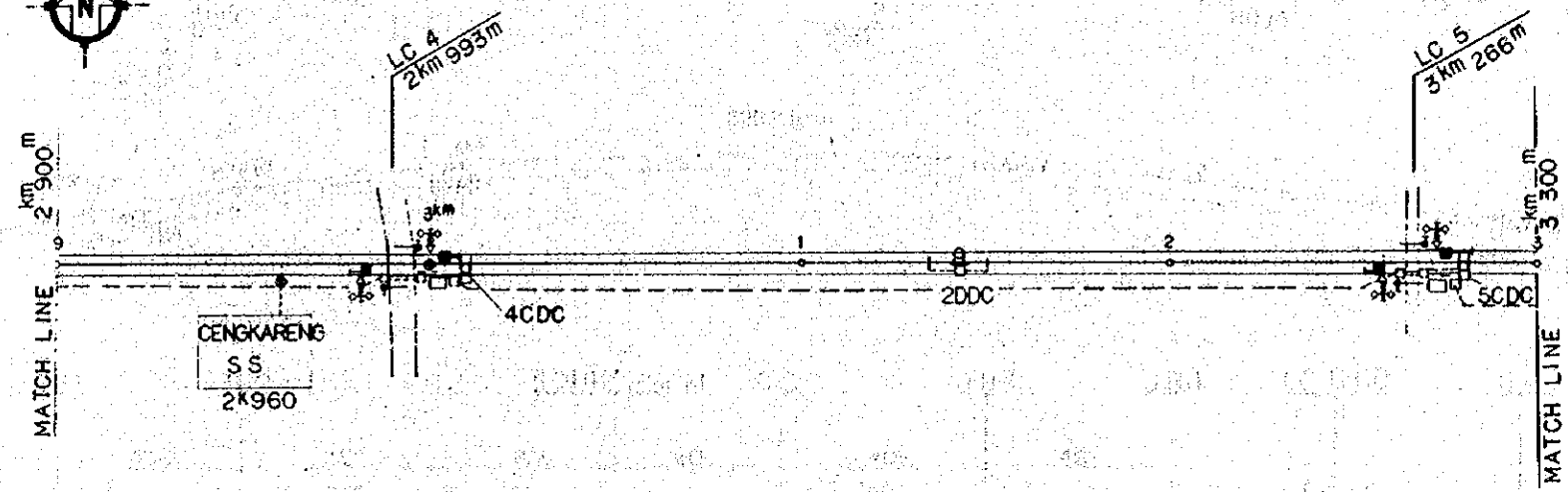
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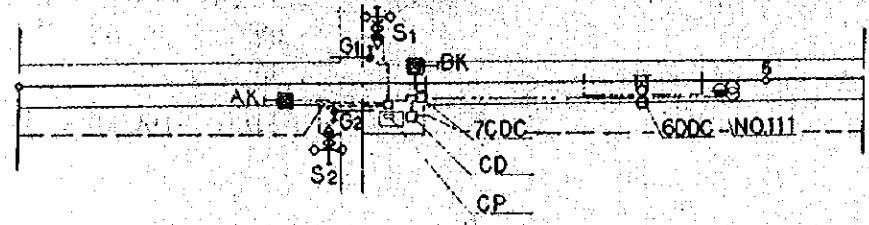
LC 5 DETAIL SCALE 1:500



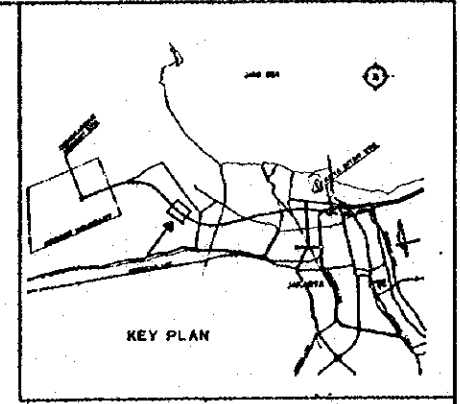
NOTE:
FOR SYMBOLS SEE
DWG. NO. EG-003



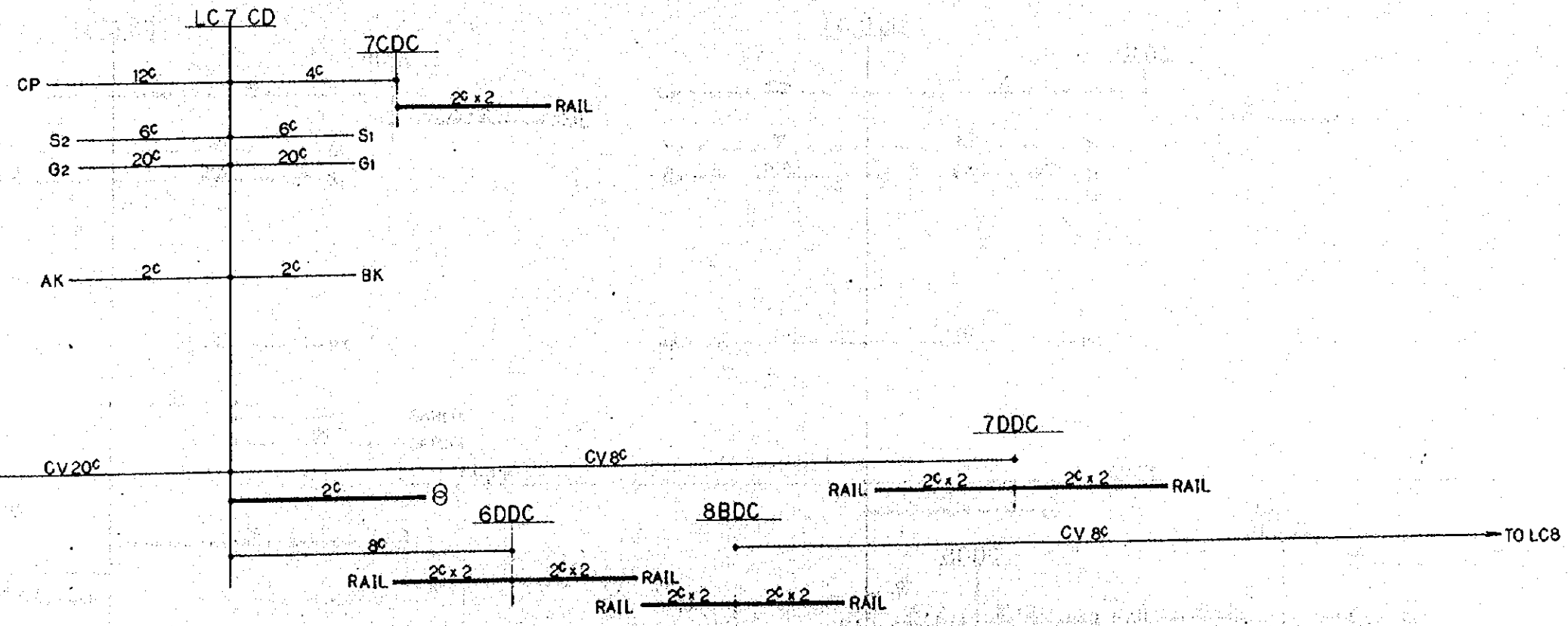
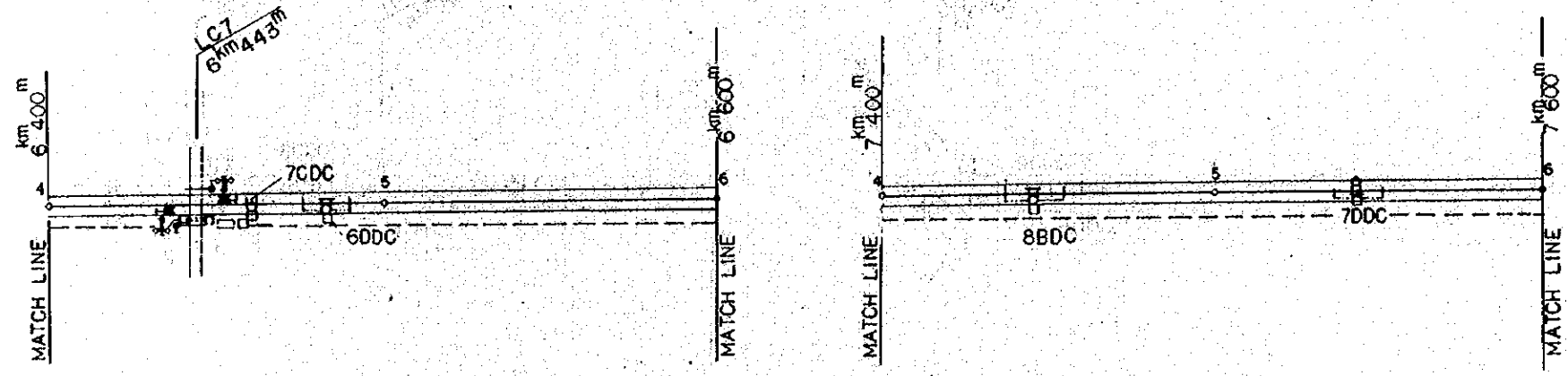
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 Aug. '86	Tajimi	J. Tobi	KM	m.k.
A	13 Feb. '86	Tajimi	J. Tobi	KM	m.k.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
SIGNAL EQUIPMENT PLAN (SHEET 5 OF 15)					
PACKAGE: ■ ELECTRICAL WORK					
SCALE	DRAWING NO.				
1:1000	ES-022				



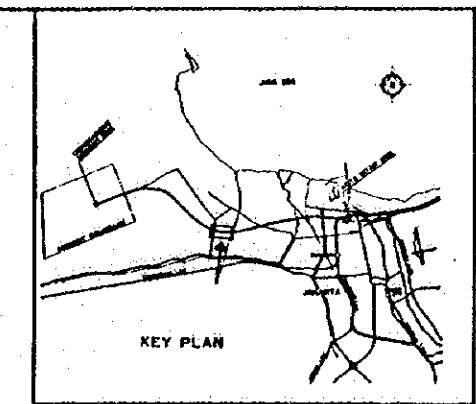
LC 7 DETAIL SCALE 1:500



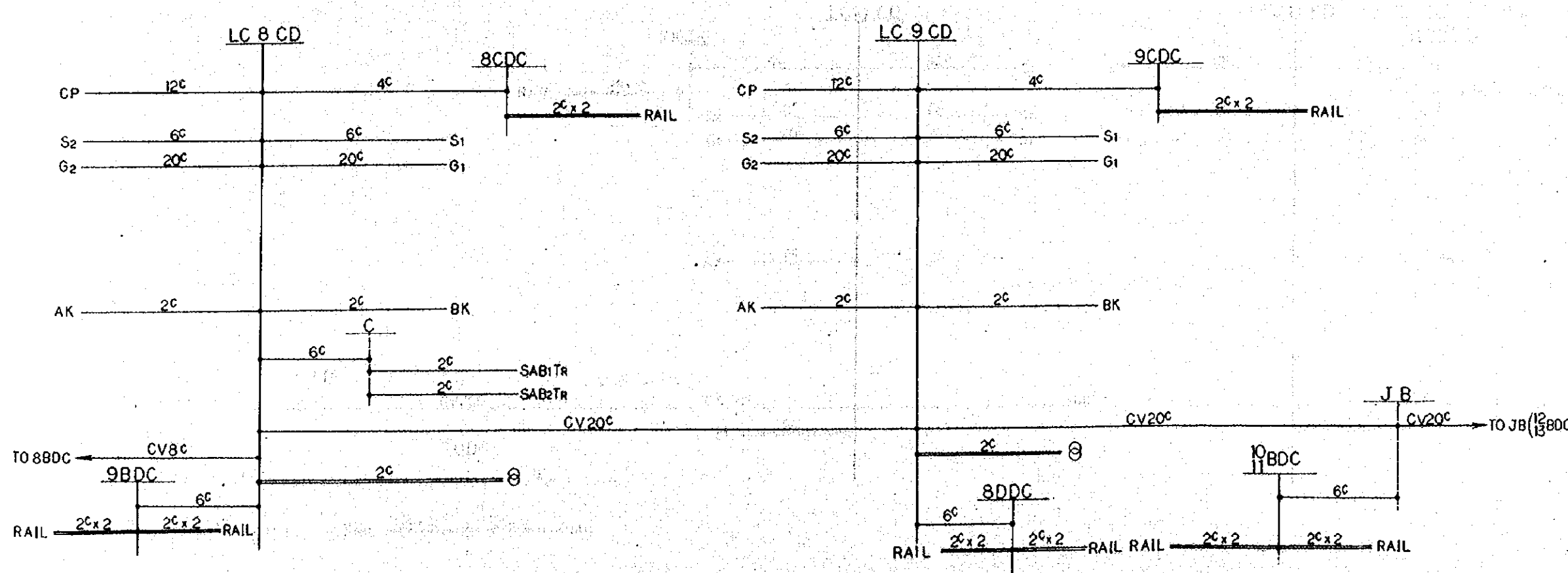
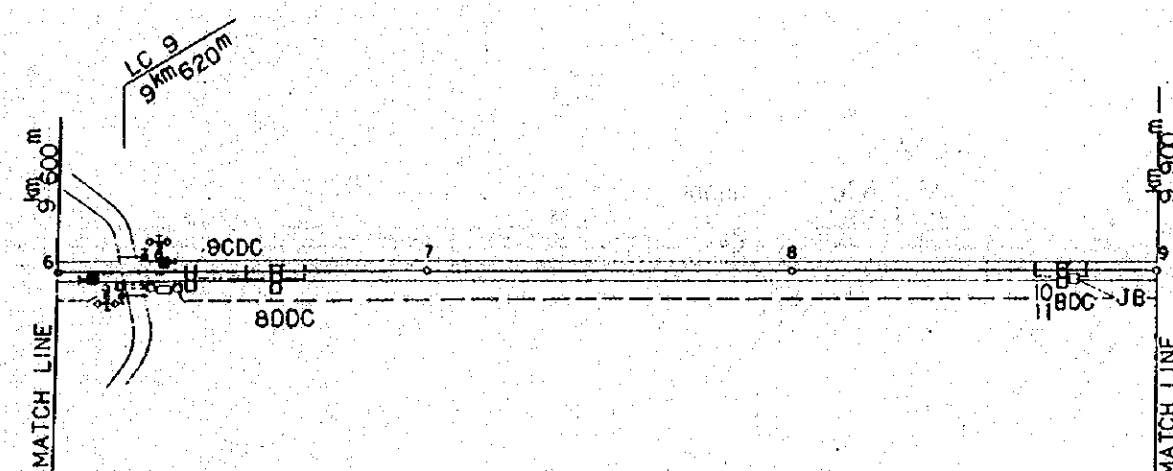
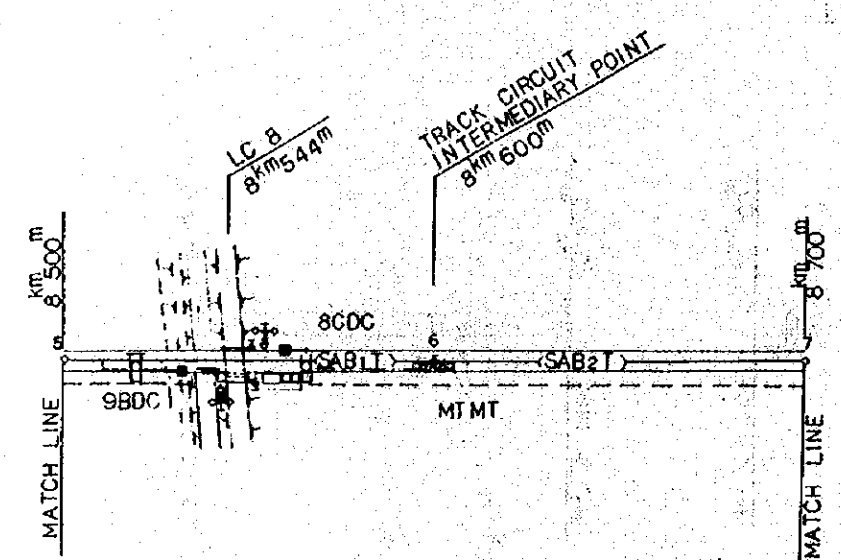
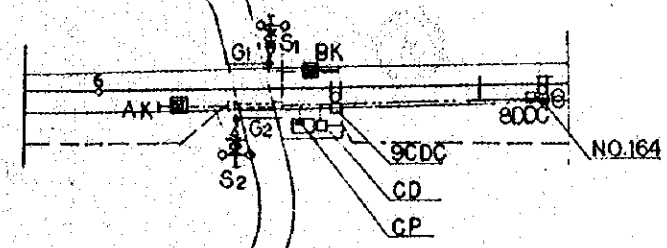
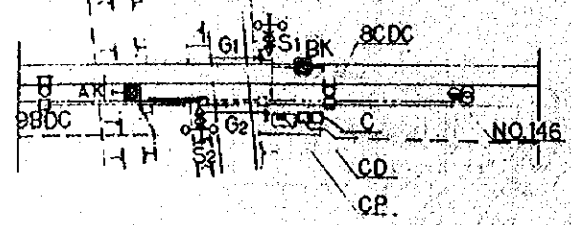
NOTE:
FOR SYMBOLS SEE
DWG. NO. EG-003



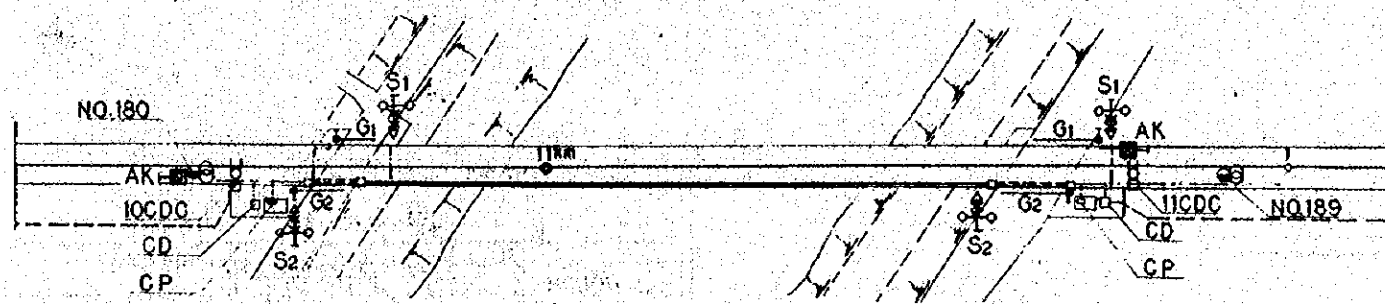
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 Aug. '86	Japan	3/25	SKH	U.M.
A	15 Feb. '86	Japan	3/25	SKH	U.M.
REVISION	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
SIGNAL EQUIPMENT PLAN (SHEET 7 OF 15)					
PACKAGE: III ELECTRICAL WORK					
SCALE 1:1000		DRAWING NO. ES-024			



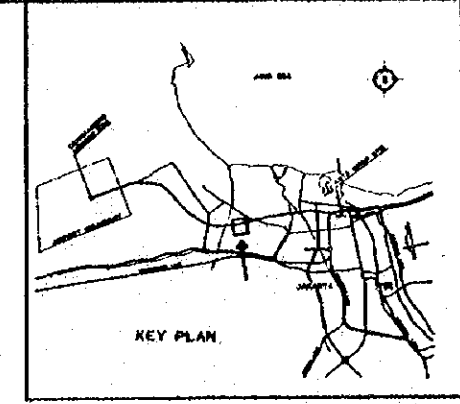
NOTE:
FOR SYMBOLS SEE
DWG. NO: EG-003



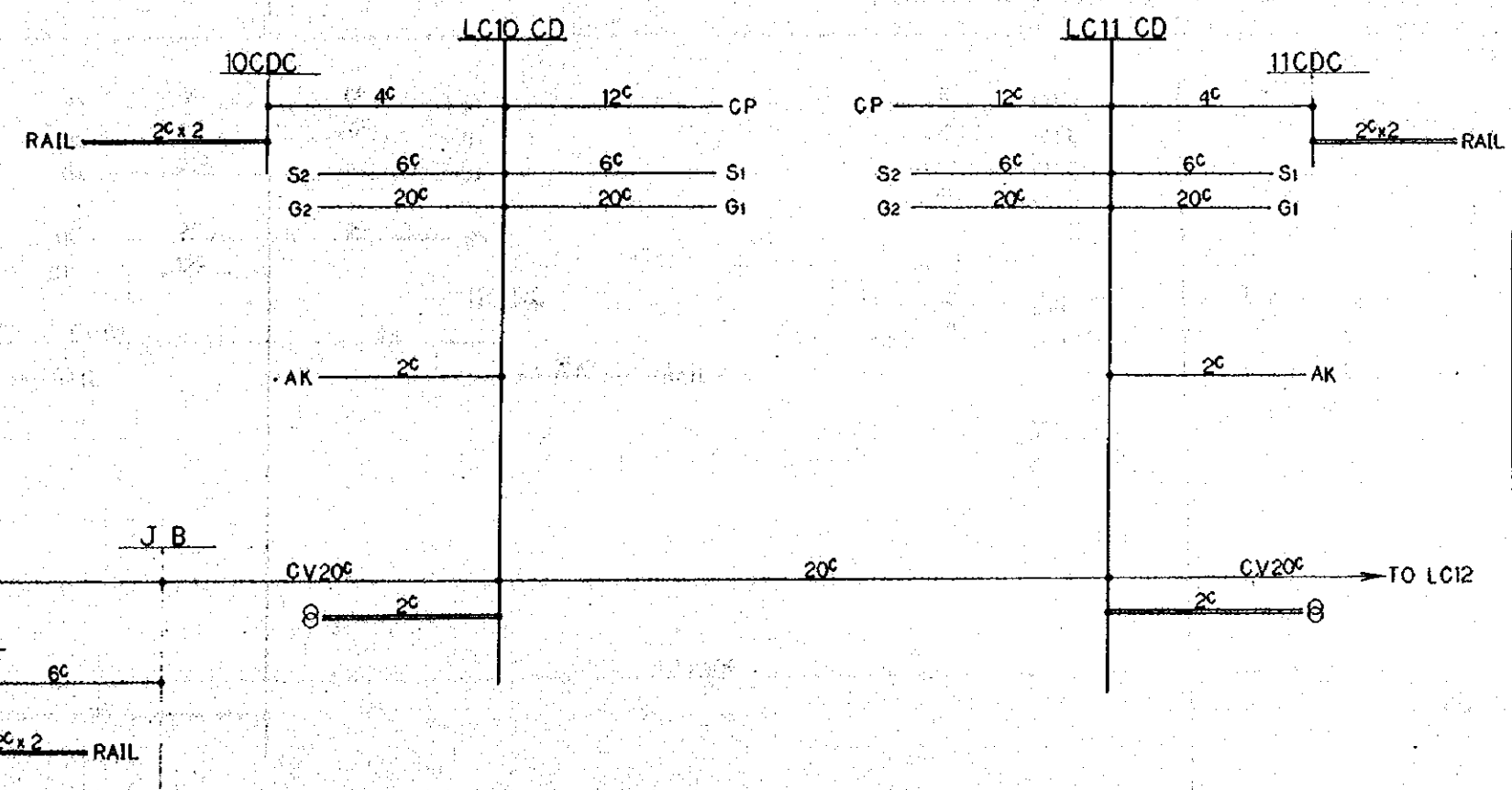
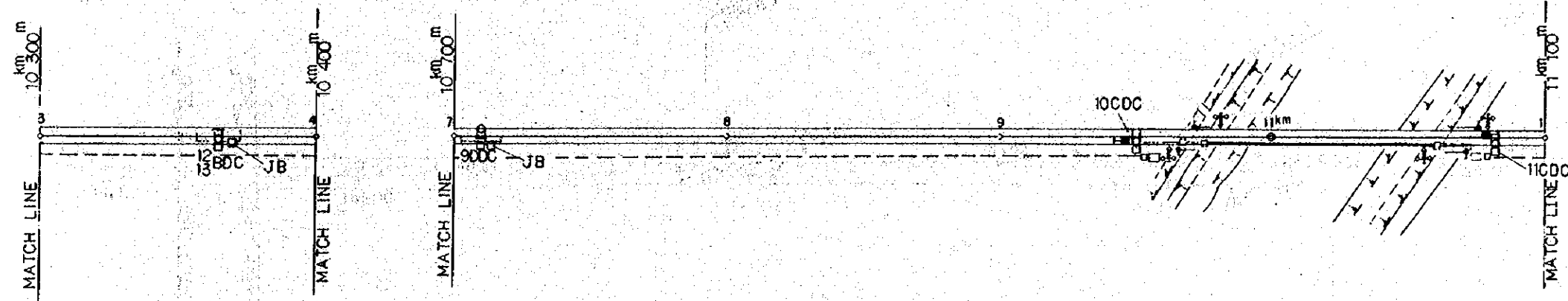
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 Aug. 86	Tajima	9.26.86	R.S.K	K.M	M.K
A	15 Feb. 86	Tajima	9.22.86	M.M	K.M	M.K
REVISIONS	DATE	DESIGNED	CHECKED	APPROVED	REVIEWED	SUBMITTED
SIGNAL EQUIPMENT PLAN (SHEET 8 OF 15)						
PACKAGE: ■ ELECTRICAL WORK						
SCALE	DRAWING NO.					
1:1000	ES-025					



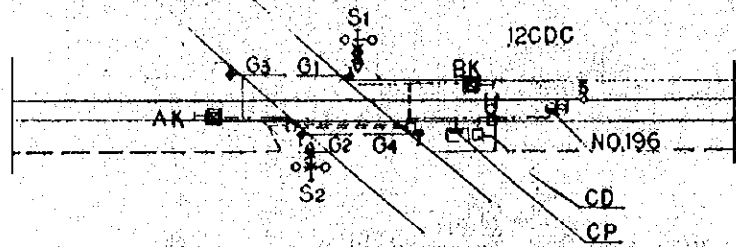
LC 10 AND 11 DETAIL SCALE 1 500



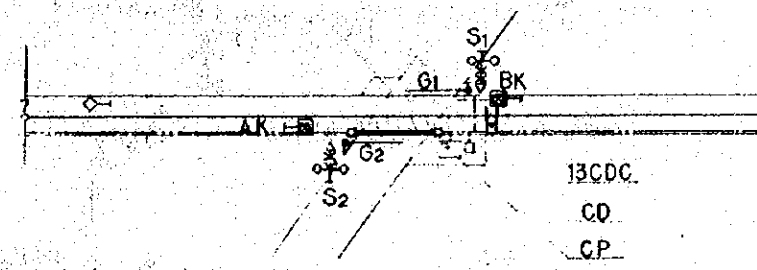
NOTE:
FOR SYMBOLS SEE
DWG. NO. EG-003



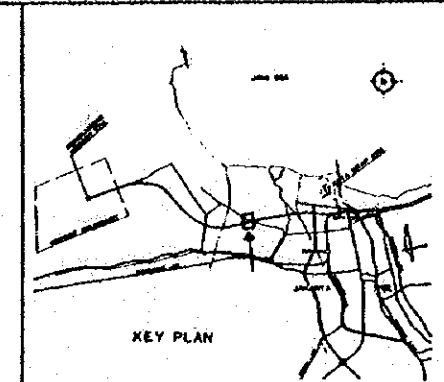
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 Aug 2011	Design	Y. Z. H.	PSM	U. M.	AK
A	18 Feb 2011	Design	Y. Z. H.	AK	U. M.	AK
REVISIONS	DATE	REVISION	BY	CHECKED	APPROVED	SUBMITTED
SIGNAL EQUIPMENT PLAN (SHEET 9 OF 15)						
PACKAGE: II ELECTRICAL WORK						
SCALE: 1:1000		DRAWING NO: ES-026				



LC 12 DETAIL SCALE 1:500

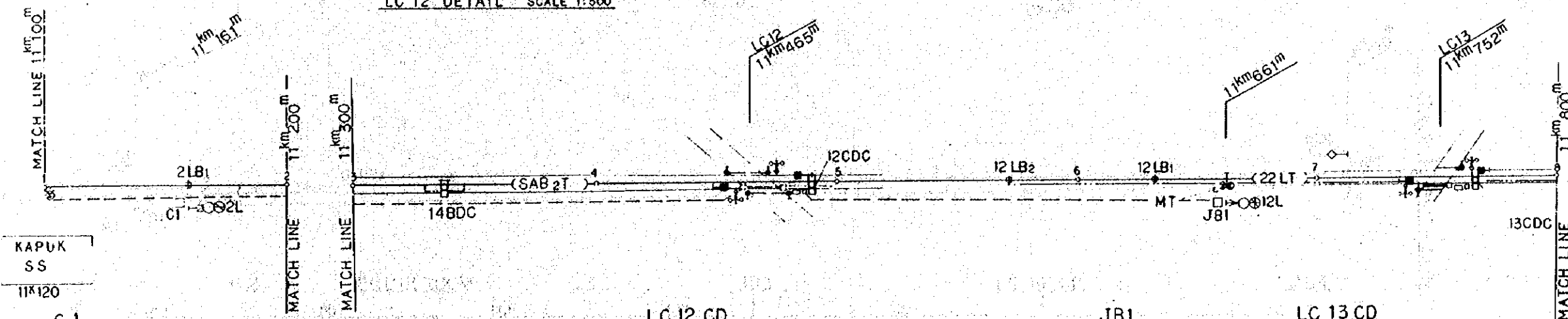


LC 13 DETAIL SCALE 1:500



NOTE:

FOR SYMBOLS SEE
DWG. NO. EG-003

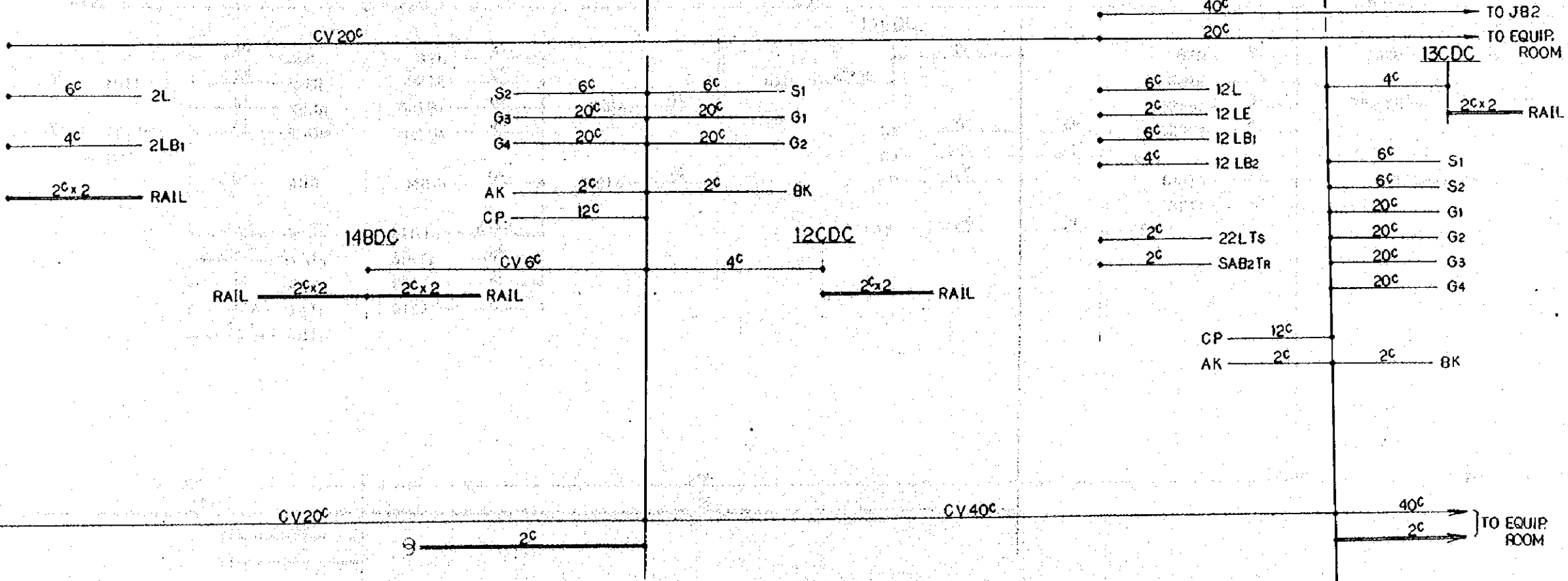


KAPUK
SS
11K120
C.1

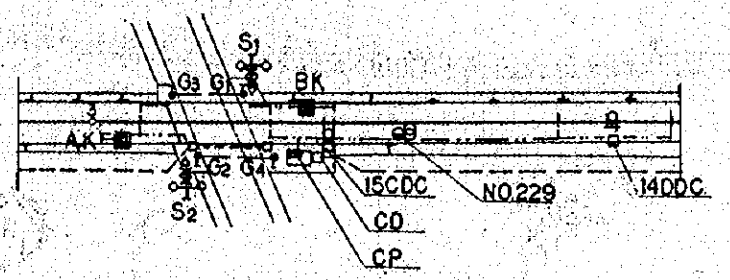
LC 12 CD

JB1

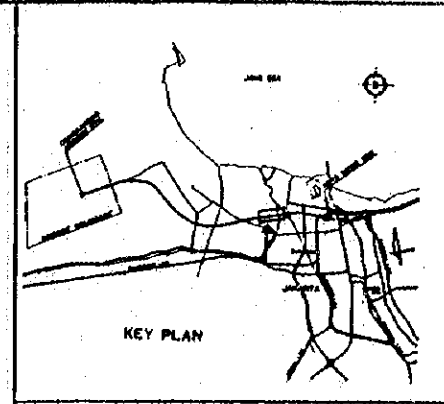
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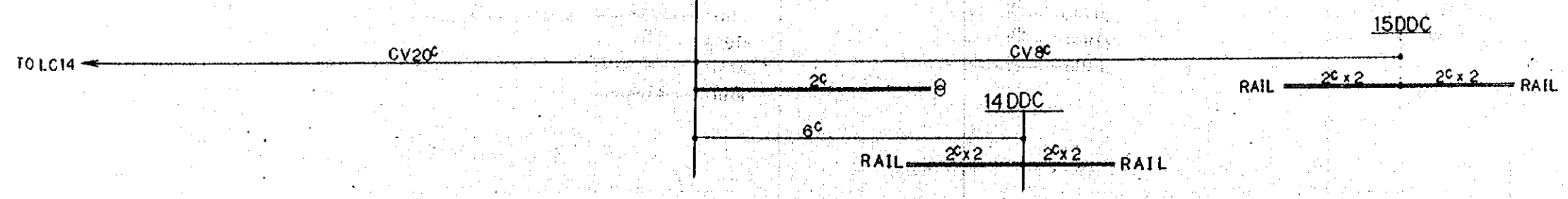
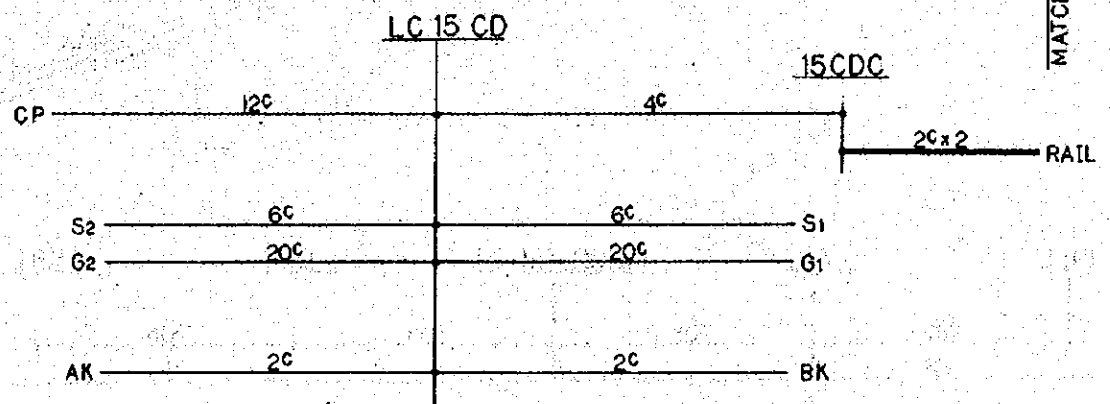
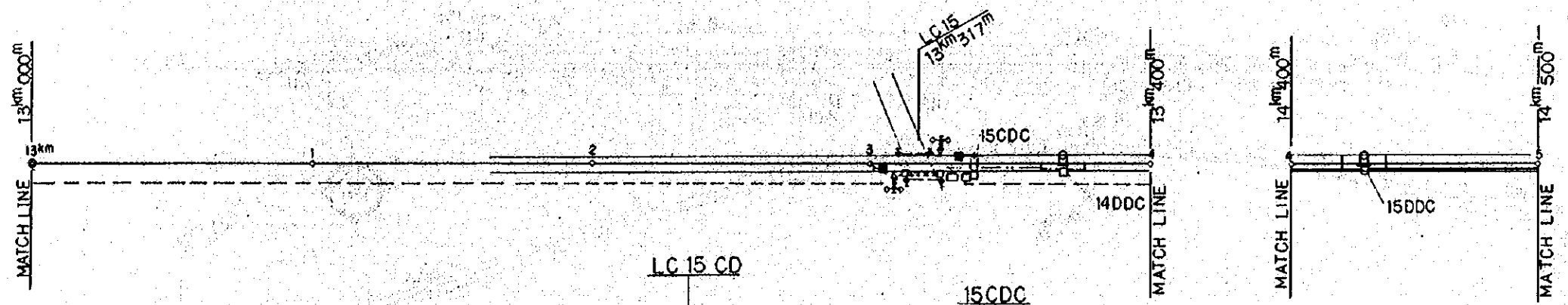
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 Aug. '84	2	3	4	5	6
A	15 Feb. '84	1	2	3	4	5
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED	SUBMITTED
SIGNAL EQUIPMENT PLAN (SHEET 10 OF 15)						
PACKAGE: ELECTRICAL WORK						
SCALE	DRAWING NO.					
1:1000	ES-027					



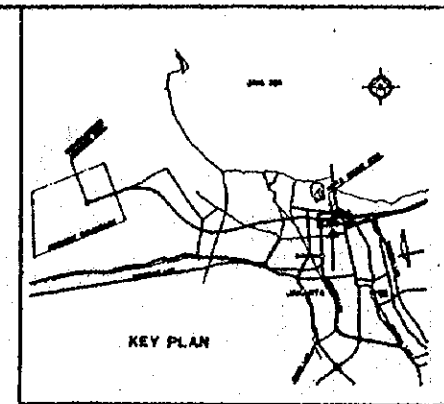
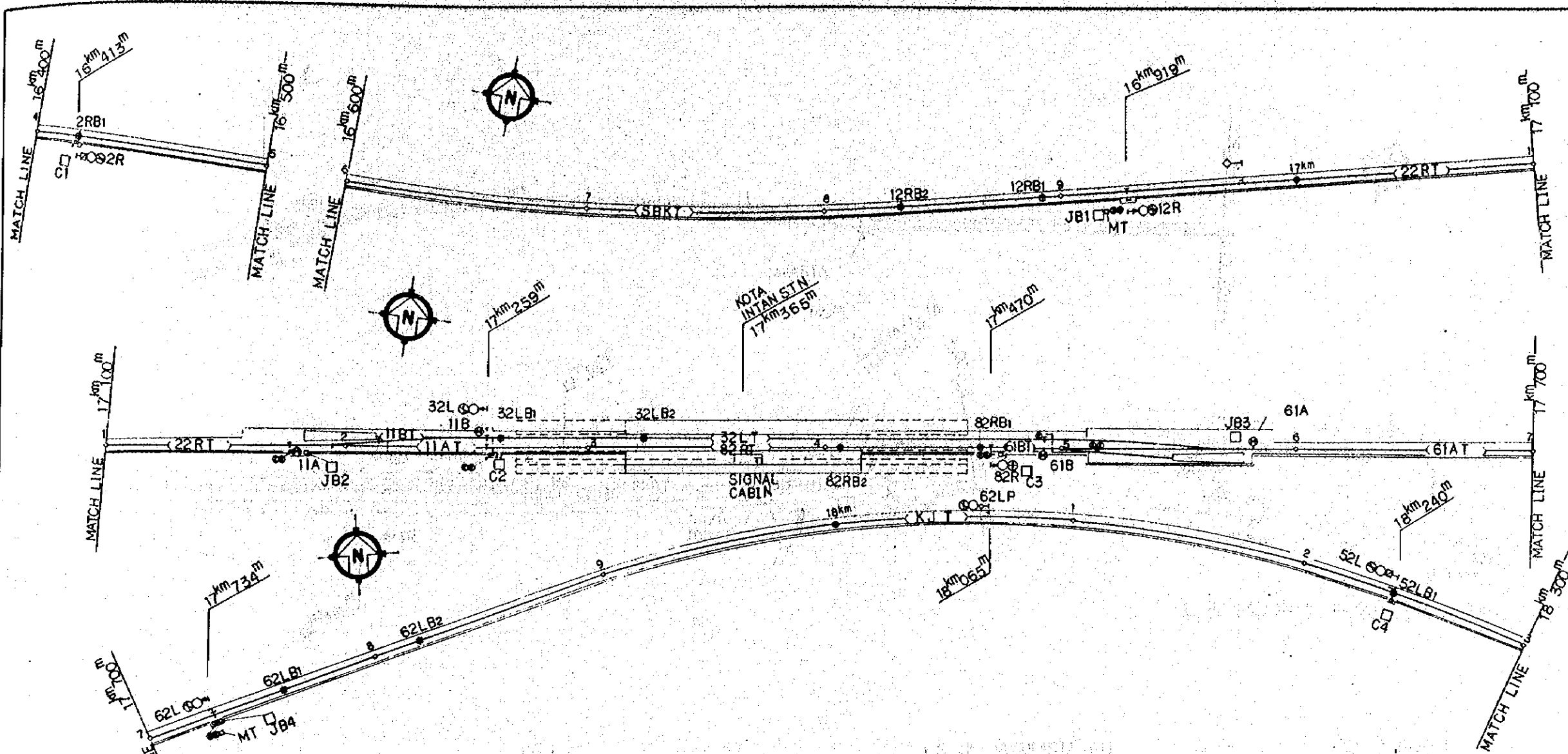
LC 15 DETAIL SCALE 1:500



NOTE:
FOR SYMBOLS SEE
DWG. NO. EG-003



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)					
B	1 Aug. '86	Tajima	S. Sudo	K. M.	K. M.
A	15 Feb. '86	Tajima	S. Sudo	K. M.	K. M.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
SIGNAL EQUIPMENT PLAN (SHEET 12 OF 15)					
PACKAGE: III ELECTRICAL WORK					
SCALE	DRAWING NO.				
1:1000	ES-029				



NOTE:
FOR SYMBOLS SEE
DWG. NO. EG-003

C.1	JB1	JB2	C.2	EQUIP. ROOM	C.3	JB3	JB4	C.4
20c	40c	40c	80c	80c	40c	40c	20c	
6c 2R	6c 12R		6c 32L		6c 82R		6c 62L	6c 52L
4c 2RB1	2c 12RE		2c 32LE		2c 82RE		2c 62LE	4c 52LB1
	6c 12RB1		6c 32LB1		6c 82RB1		6c 62LB1	
	4c 12RB2		4c 32LB2		4c 82RB2		4c 62LB2	
2c x 2 RAIL	2c 22RTs	6c M11A	6c M11B		6c M61B	6c M61A		
	2c SBKTs	2c 22RTR	2c x 2 32LTr		2c x 2 32LTr	2c 61BTs	2c 61ATs	2c x 2 RAIL
		2c 11ATs	2c x 2 11BTR		2c 61ATr		2c KJTs	
			2c 82RTR		2c 82RTs		6c 62LP	
			2c 11ATr		2c 61BTr			
			2c x 2 11BTr					

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

NEW RAILWAY LINE FOR CENKARENG AIRPORT
CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	EXTENDED	SUBMITTED
B	1 Apr '96	T. J. H.	J. J. H.	K. H.	K. M.	M. K.
A	10 Feb '96	T. J. H.	J. J. H.	K. H.	K. M.	M. K.

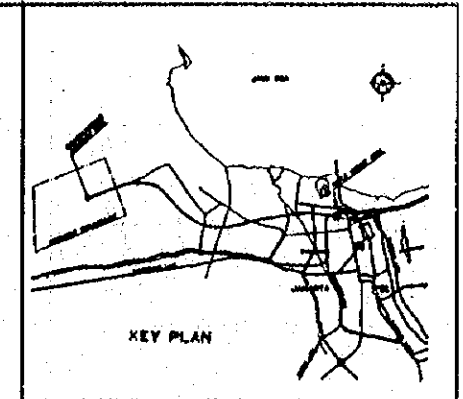
SIGNAL EQUIPMENT PLAN
(SHEET 13 OF 15)

PACKAGE: III ELECTRICAL WORK

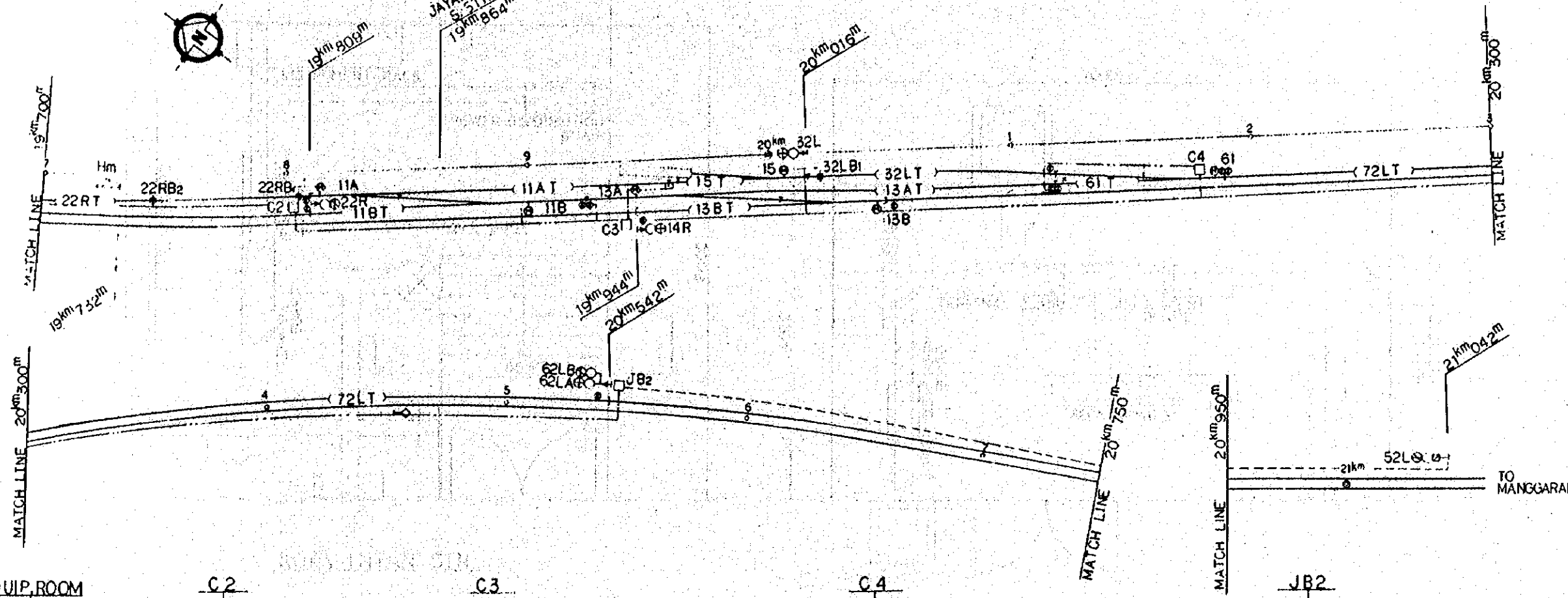
SCALE: 1:1000 DRAWING NO: ES-030



JAYAKARTA
5.51N
19km 864m



NOTE:
FOR SYMBOLS SEE
DWG. NO. EG-003



EQUIP. ROOM	C.2	C.3	C.4	JB2
	80°	80°	40°	40°
22R — 6C	6C — 14R	2C x 2 — 32LTr	CV 8C — 52L	
22RE — 2C	2C — 14RE	2C — 13ATr	6C — 62LA	
22RB1 — 6C	6C — 32L	2C x 2 — 61Ts	6C — 62LB	
22RB2 — 4C	2C — 32LE	2C — 61Tr	2C — 62LE	
M11A — 6C	6C — 32LB1	2C — 72LTr	2C — 72LTs	
M11B — 6C	6C — M13A			
22RTr — 2C	6C — M13B			
11ATr — 2C x 2	6C — M15			
11BTs — 2C	2C x 2 — 11ATs			
	2C x 2 — 15Ts			
	2C — 11BTr			
	2C — 13ATs			
	2C — 13BTr			
	2C x 2 — 15Tr			
	2C x 2 — 32LTs			
	2C — 13BTs			

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)

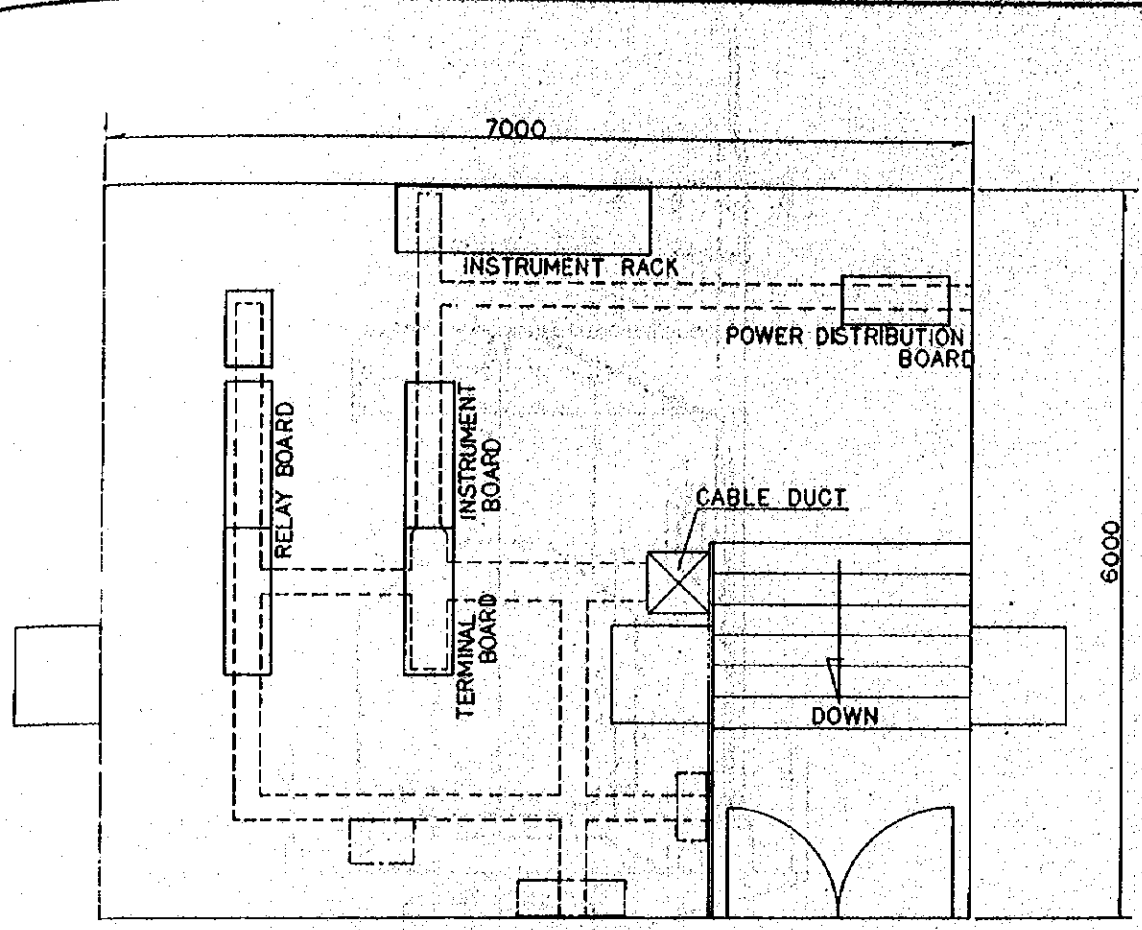
B	19.10.14	19.10.14	19.10.14	19.10.14	19.10.14	19.10.14
A	18.10.14	18.10.14	18.10.14	18.10.14	18.10.14	18.10.14

REVISION DATE DESIGNED DRAWN CHECKED REVISION SUBMITTED

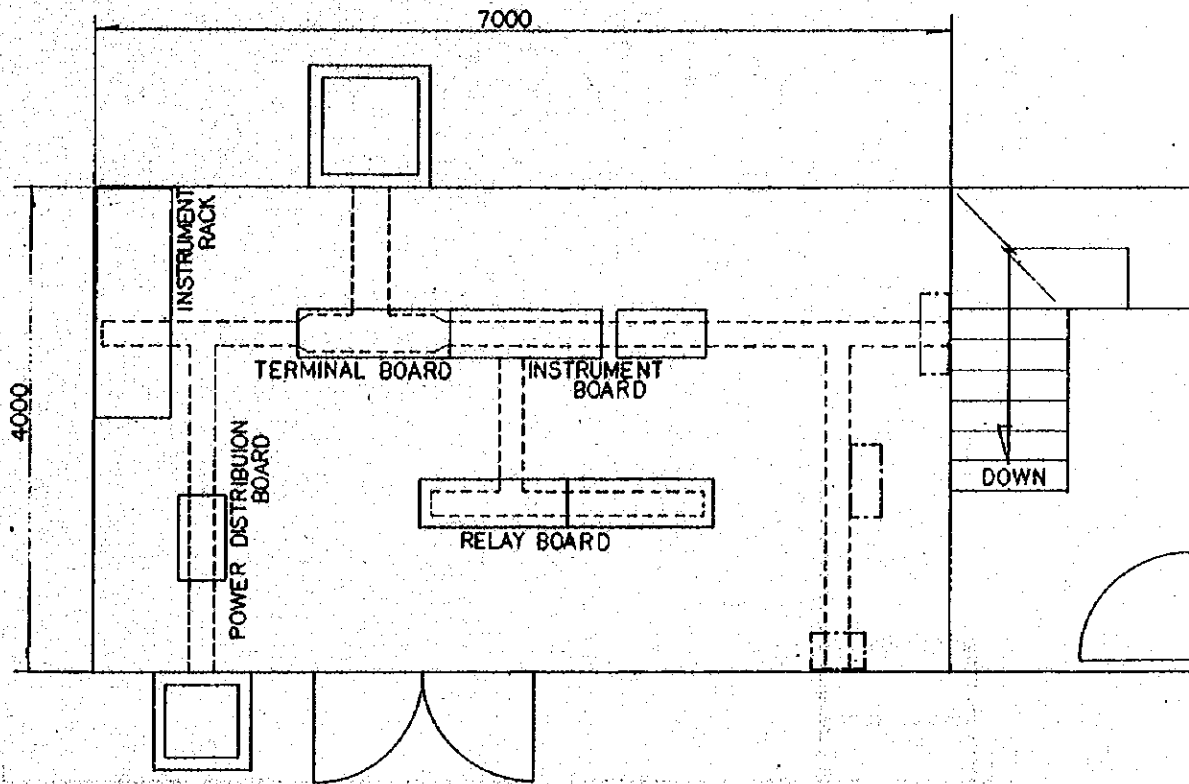
SIGNAL EQUIPMENT PLAN
(SHEET 15 OF 15)

PACKAGE: ELECTRICAL WORK

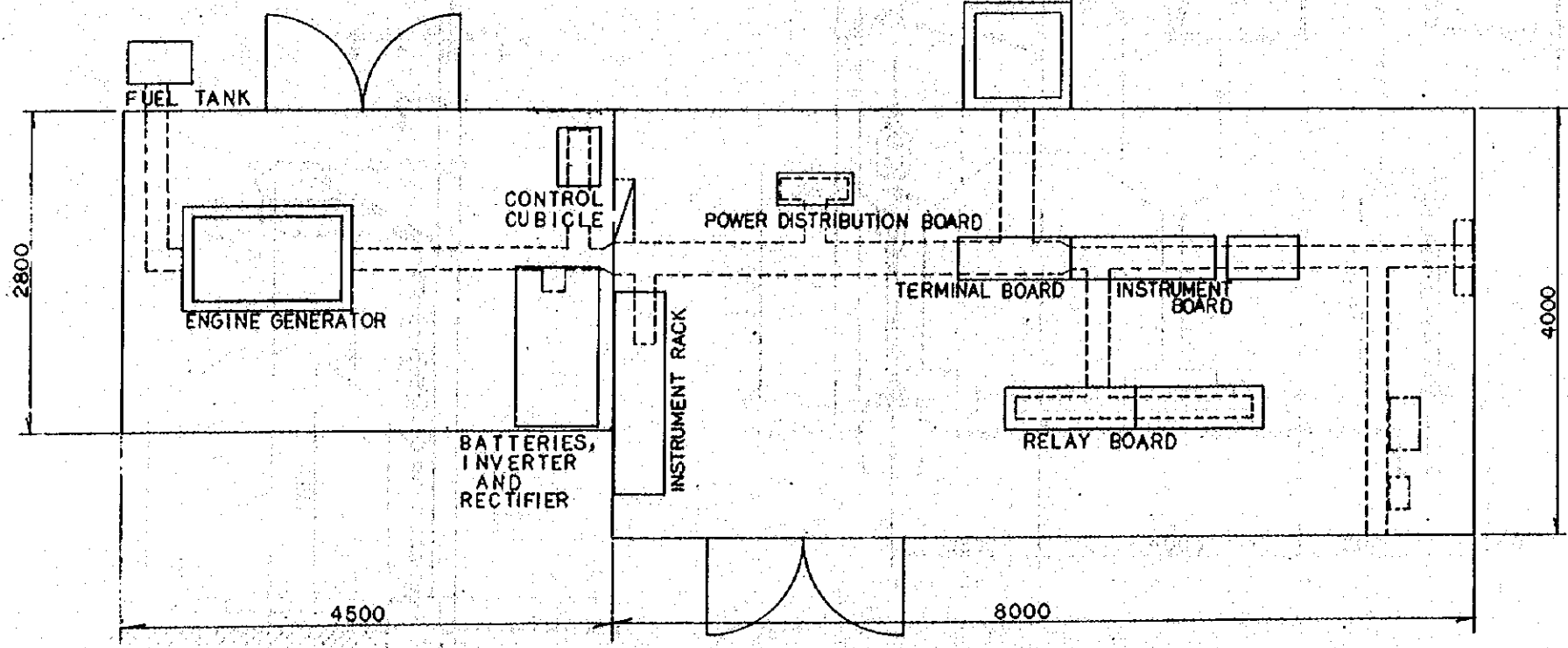
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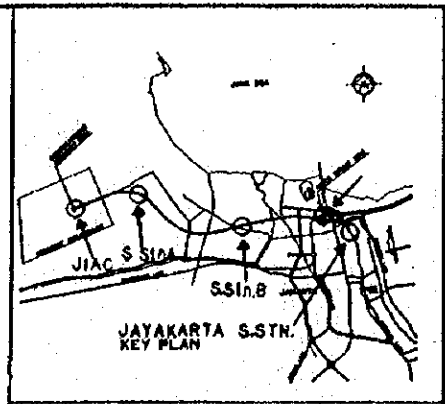
KOTA INTAN STN.



S. STN. A AND S. STN. B

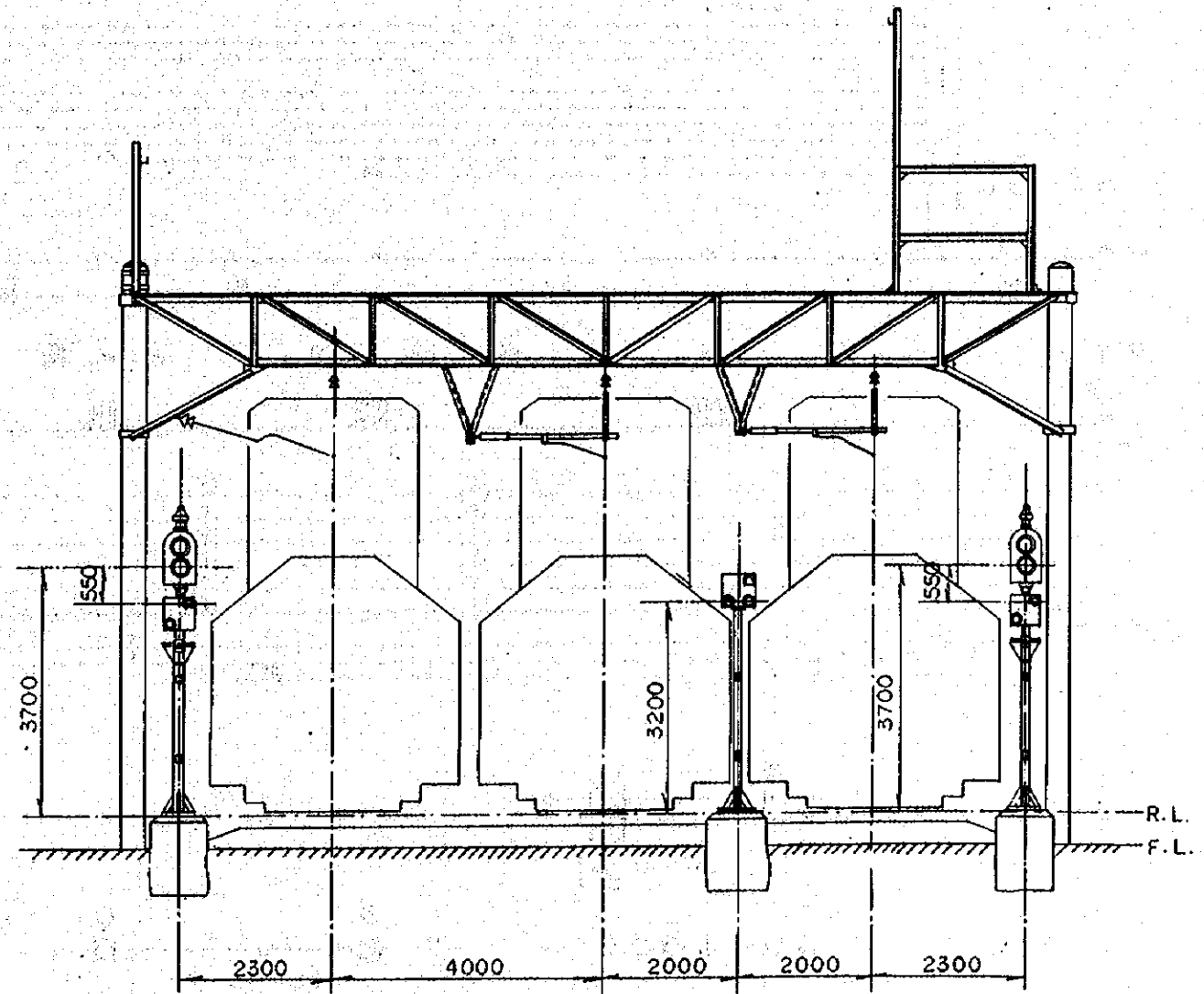
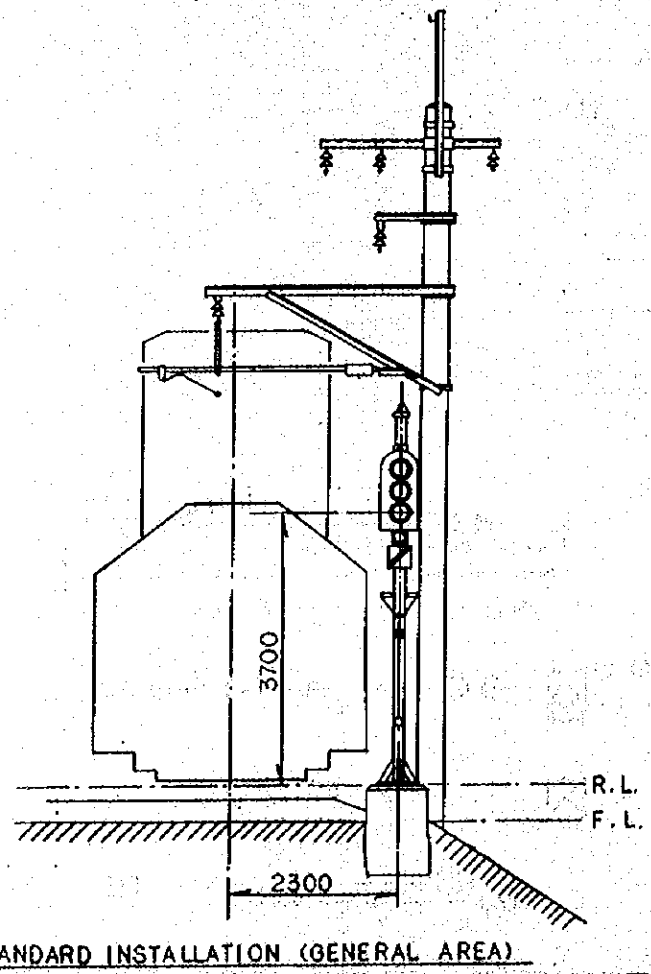
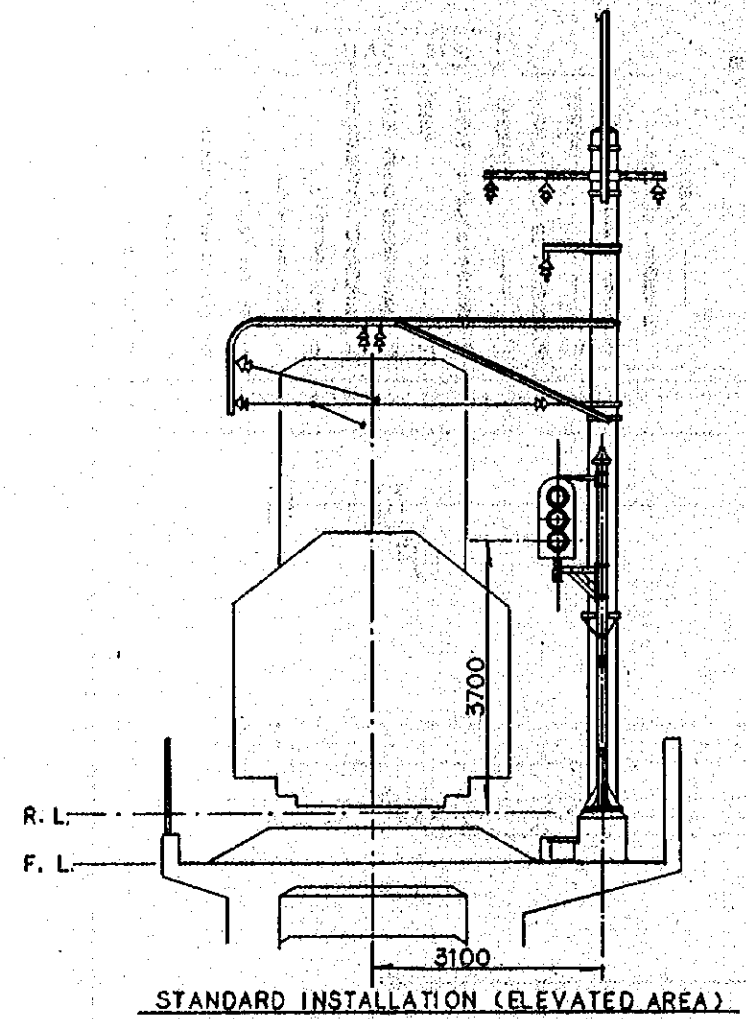
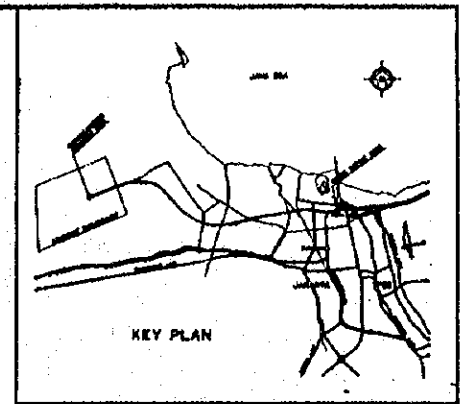


JIAC STN. AND JAYAKARTA S. STN.



NOTE:
ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS OTHERWISE INDICATED

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS							
NEW RAILWAY LINE FOR CENGLARENG AIRPORT CONSTRUCTION PROJECT							
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)							
B	1 Aug '66	7/20	125	K.H	K.M	A.K	
A	15 Feb '66	7/20	125	K.H	K.M	A.K	
REVISION	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED	
SIGNAL EQUIPMENT LAYOUT IN EQUIPMENT ROOM							
PACKAGE: ■ ELECTRICAL WORK							
SCALE: NON SCALE				DRAWING NO: ES-033			

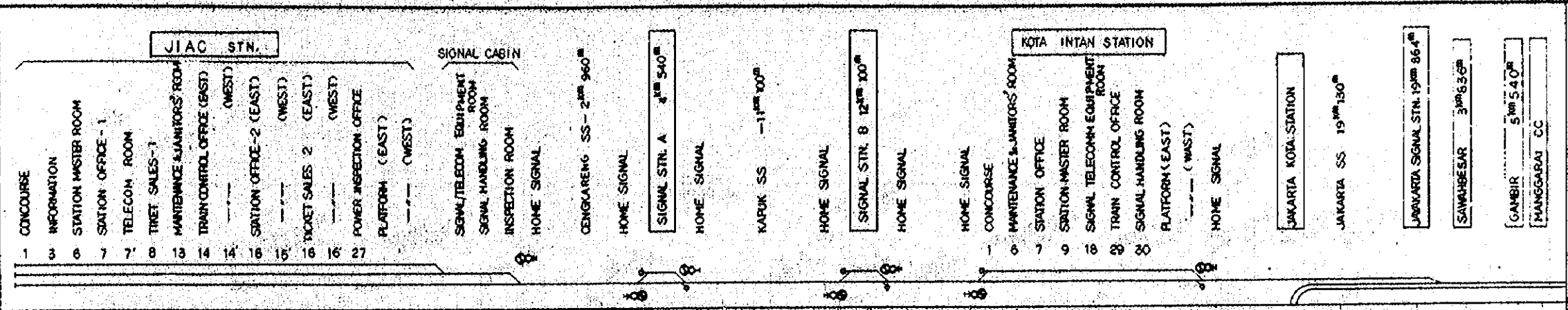


NOTE:
ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS OTHERWISE INDICATED

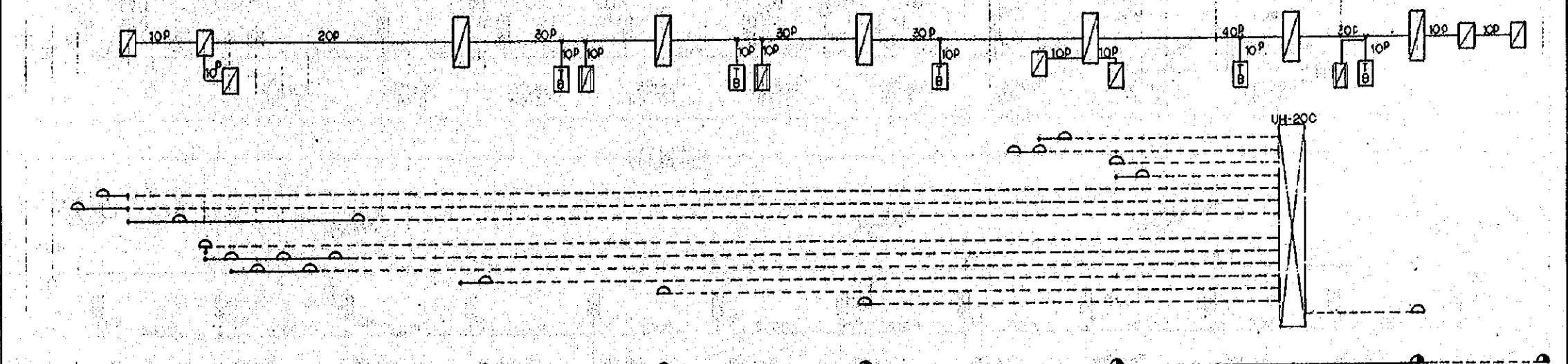
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 Aug. '66	Technical	3.70	K.M.	K.M.	K.M.
A	13 Feb. '66	Technical	3.70	K.M.	K.M.	K.M.
REVISIONS	DATE	REASON	BY	CHECKED	REVIEWED	SUBMITTED
STANDARD INSTALLATION OF SIGNALS						
PACKAGE: III ELECTRICAL WORK						
SCALE 1:50			DRAWING NO. ES-034			

STATION & LOCATION NAME

TELECOMMUNICATION FACILITY

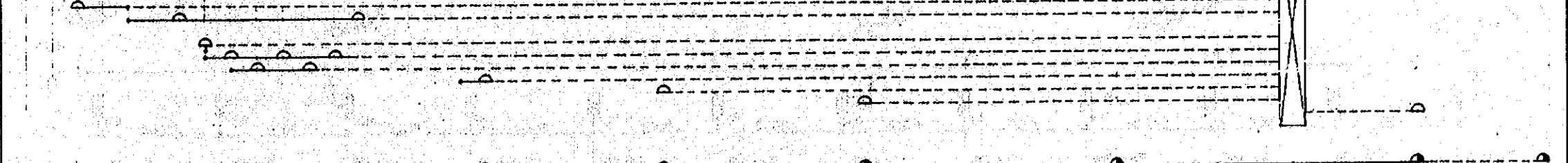


TELECOM CABLE SYSTEM



TELEPHONE SYSTEM

AUTOMATIC TELEPHONE



TRAIN DISPATCHING TELEPHONE

ELECTRIC POWER - DISPATCHING TELEPHONE

LOCAL YARD TELEPHONE

OFFICE LINE TELEPHONE

WAYSIDE TELEPHONE TERMINAL BOX FOR TRAIN OPERATION

FOR TRACK

FOR ELECTRIC POWER

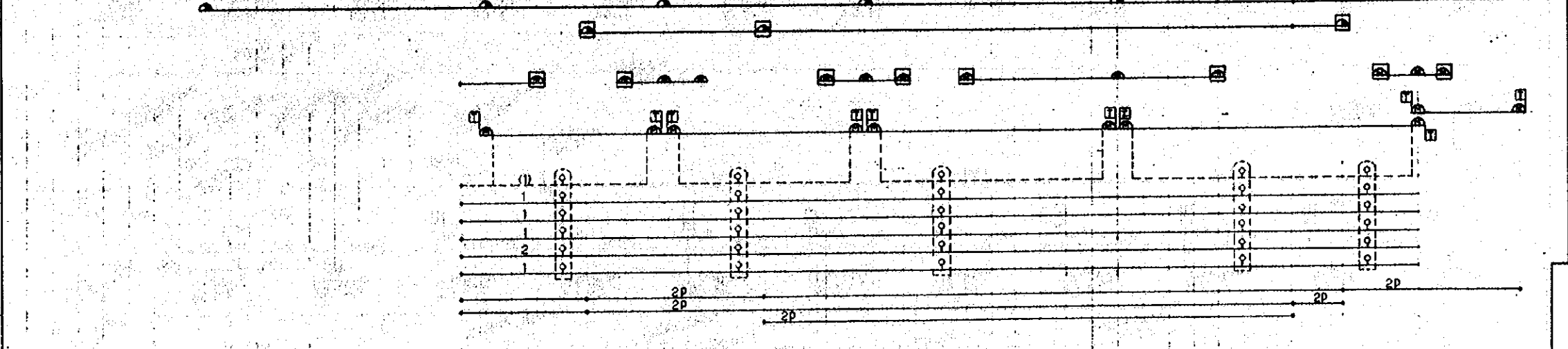
FOR EXCHANGE

FOR WAYSIDE

FOR SPARE

LINKED BREAKING DEVICE LINE

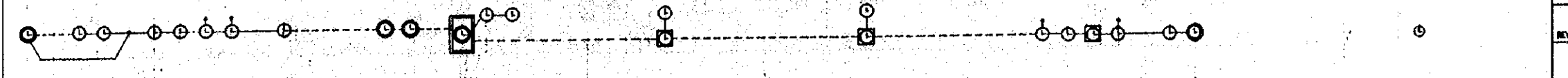
SUBSTATION CONTROL LINE



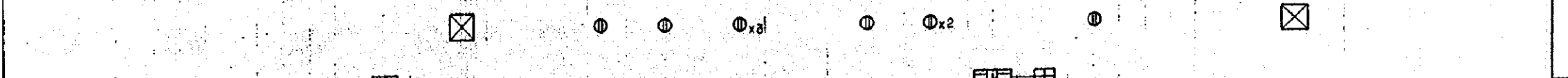
PUBLIC ADDRESS SYSTEM



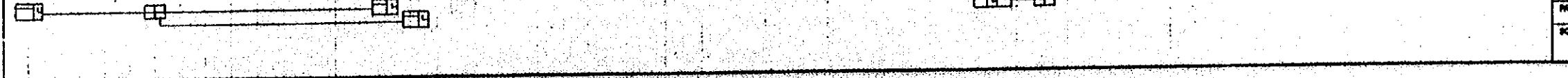
ELECTRIC CLOCK SYSTEM



PCM CABLE CARRIER SYSTEM



TRAIN BOARDING INFORMATION SYSTEM



- LEGEND :
- : DISTRIBUTION BOX (INDOOR TYPE)
 - : DISTRIBUTION BOX (OUTDOOR TYPE)
 - : TERMINAL BOX (FOR WAYSIDE TELEPHONE)
 - : AUTOMATIC TELEPHONE
 - : DISPATCH TELEPHONE
 - : DISPATCH TELEPHONE (HOUSING OUTDOOR TYPE TELEPHONE BOX)
 - : MAGNETO TELEPHONE
 - : MAGNETO TELEPHONE (HOUSING OUTDOOR TYPE TELEPHONE BOX)
 - : TERMINAL BOX (FOR WAYSIDE TELEPHONE)
 - : MASTER PUBLIC ADDRESS EQUIPMENT
 - : OPERATING PANEL
 - : MICROPHONE BOX
 - : TRUMPET SPEAKER
 - : DYNAMIC SPEAKER
 - : MASTER CLOCK
 - : RELAY SLAVE CLOCK
 - : SLAVE CLOCK DOUBLE FACE
 - : SLAVE CLOCK SINGLE FACE
 - : PCM TERMINAL EQUIPMENT
 - : PCM LINE REPEATER EQUIPMENT
 - : EXISTING PHILIPS UH-200 EXCHANGE EQUIPMENT
 - : INDICATION PANEL
 - : OPERATION PANEL
 - : TAPE RECORDER (CASSET TYPE)

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

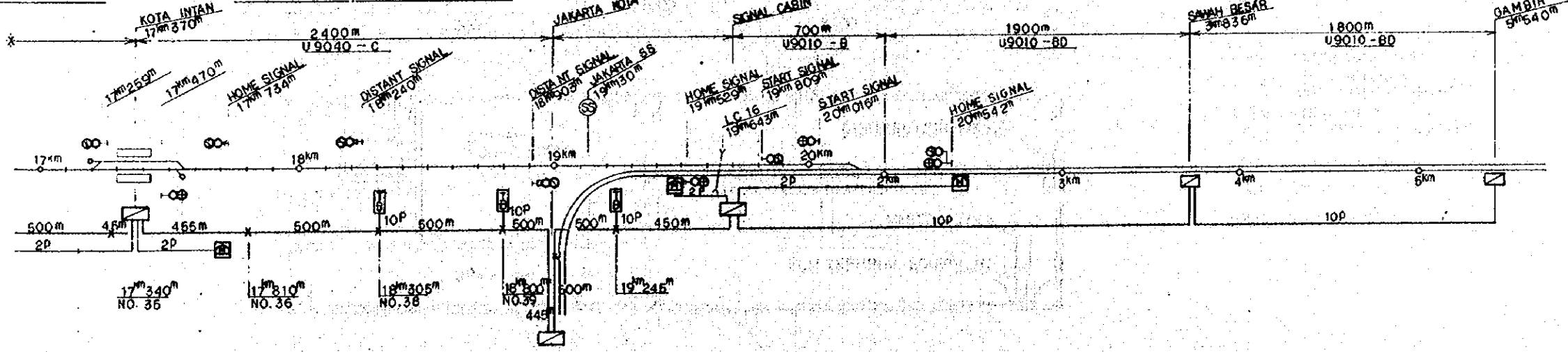
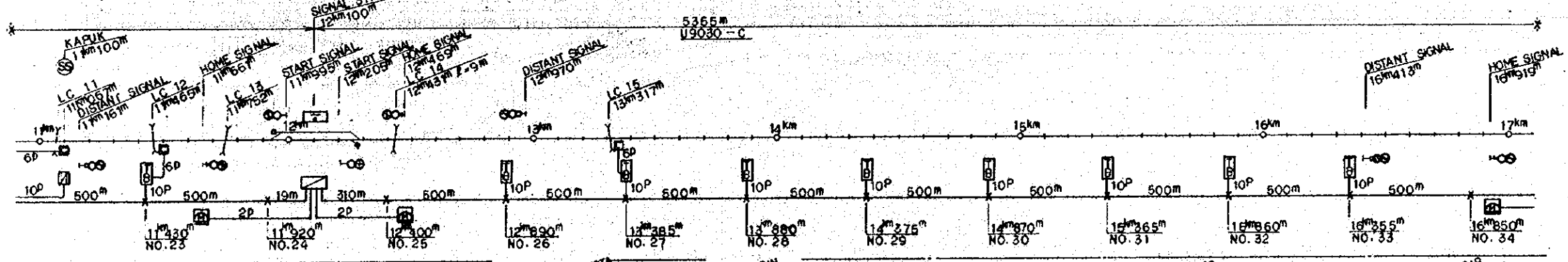
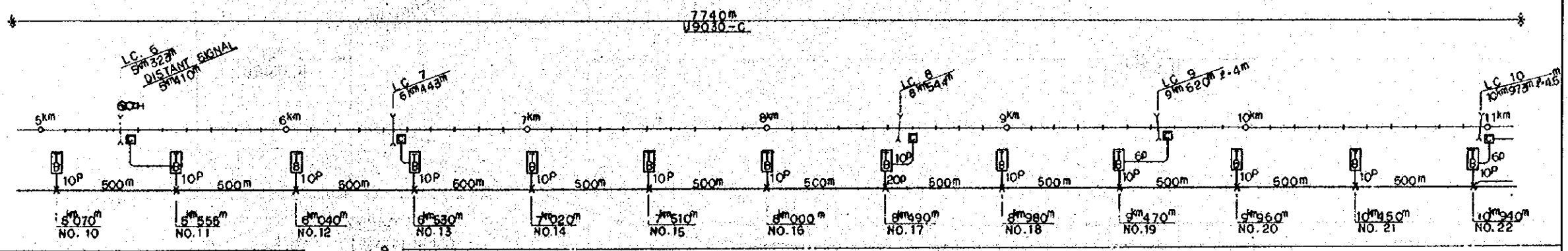
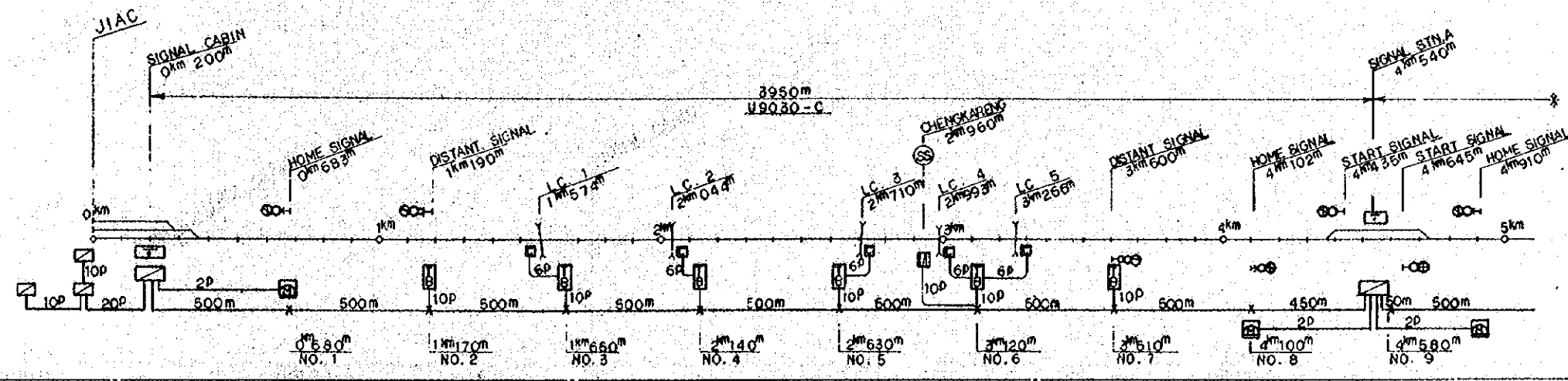
NEW RAILWAY LINE FOR CENKARENG AIRPORT
CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

B	1 Aug '88	K. S. S.	T. S.	K. M.	M. K.	M. K.
A	15 Feb '88	K. S. S.	T. S.	K. M.	M. K.	M. K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED	SUBMITTED

TELECOM. CIRCUIT DIAGRAM

PACRAME: II ELECTRICAL WORK
SCALE: NOM SCALE
DRAWING NO: ET-001



LEGEND:

- : DISTRIBUTION BOX
- : TERMINAL BOX
- : MAGNETO TELEPHONE (HOUSING OUTDOOR TYPE TELEPHONE BOX)
- : DISTRIBUTION BOX (OUTDOOR TYPE)
- : SIGNAL APPARATUS CASE
- : CABLE JOINT & CABLE BRANCH

U9030-C

- SHEATH B - POLYETHYLENE SHEATH
- C - CORRUGATED SHEATH
- D - POLYETHYLENE SHEATH WITH SELF SUPPORTING TYPE

NUMBER OF PAIRS : 030 - 30P
 NOMINAL DIAMETER OF CONDUCTOR : 9 - 0.9mm
 COMPOSITION OF CONDUCTOR : U - UNIT TYPE S - SMALL PAIR TYPE

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

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

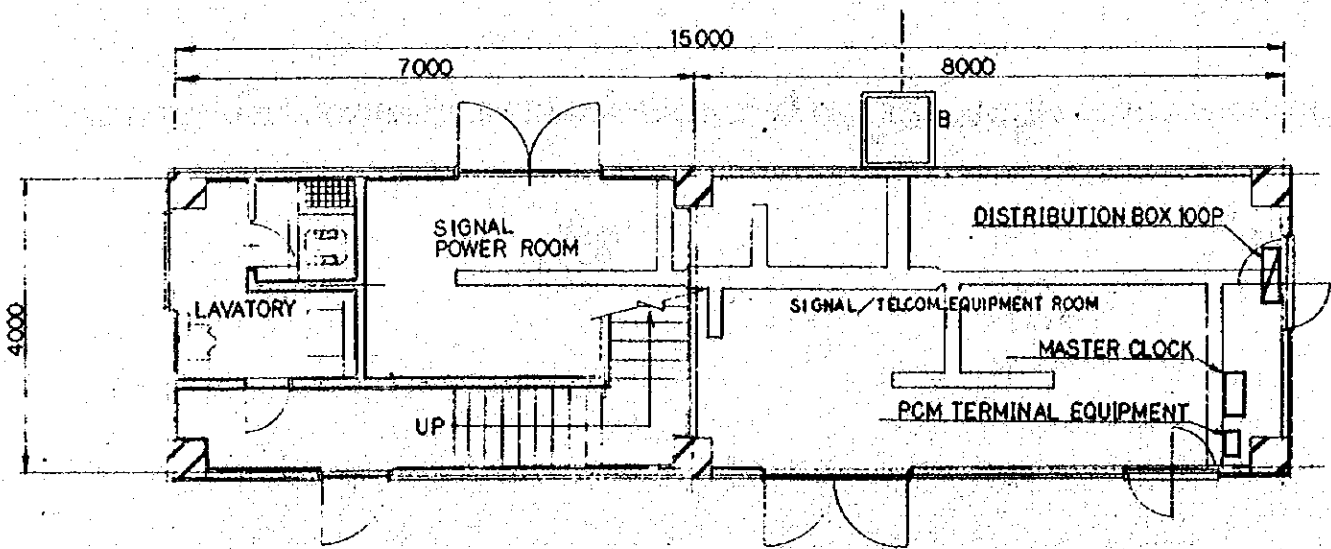
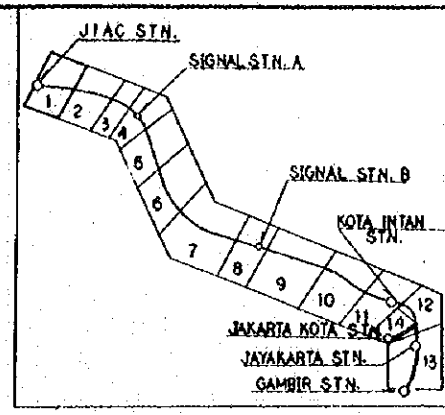
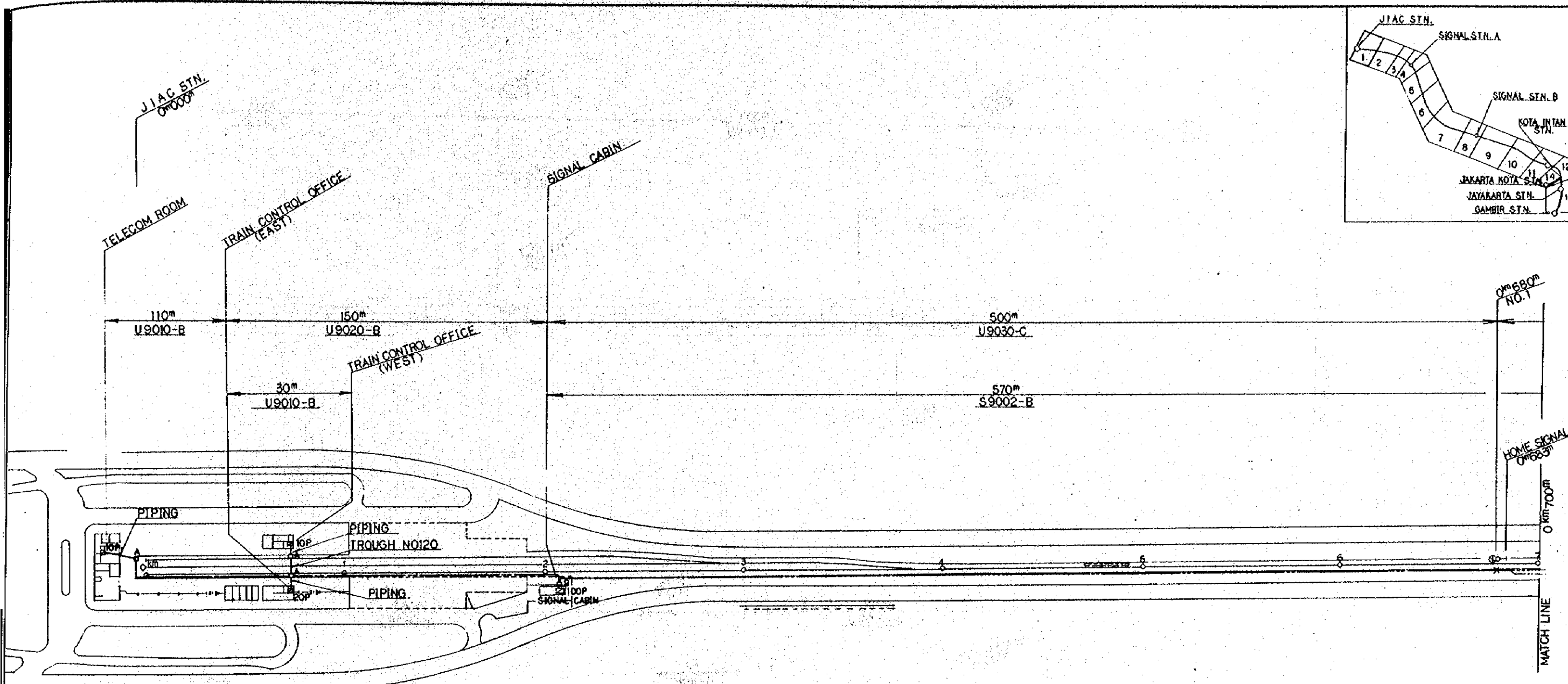
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

B	1. 10/10/77	1. 10/10/77	T.S.	K.H.	K.M.	A.K.
A	15. 10/10/77	15. 10/10/77	T.S.	K.H.	K.M.	A.K.
REVISION	DATE	DESIGNED	CHECKED	APPROVED	REVIEWED	APPROVED

TELECOM CABLE NETWORK DIAGRAM

PACKAGE: II ELECTRICAL WORK

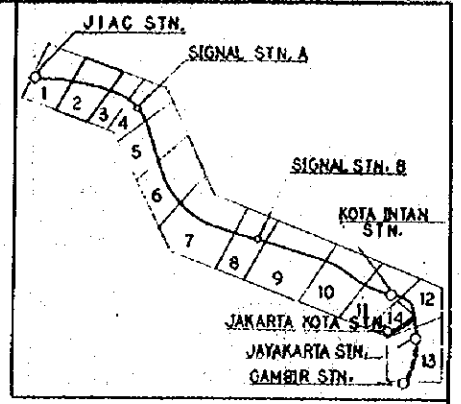
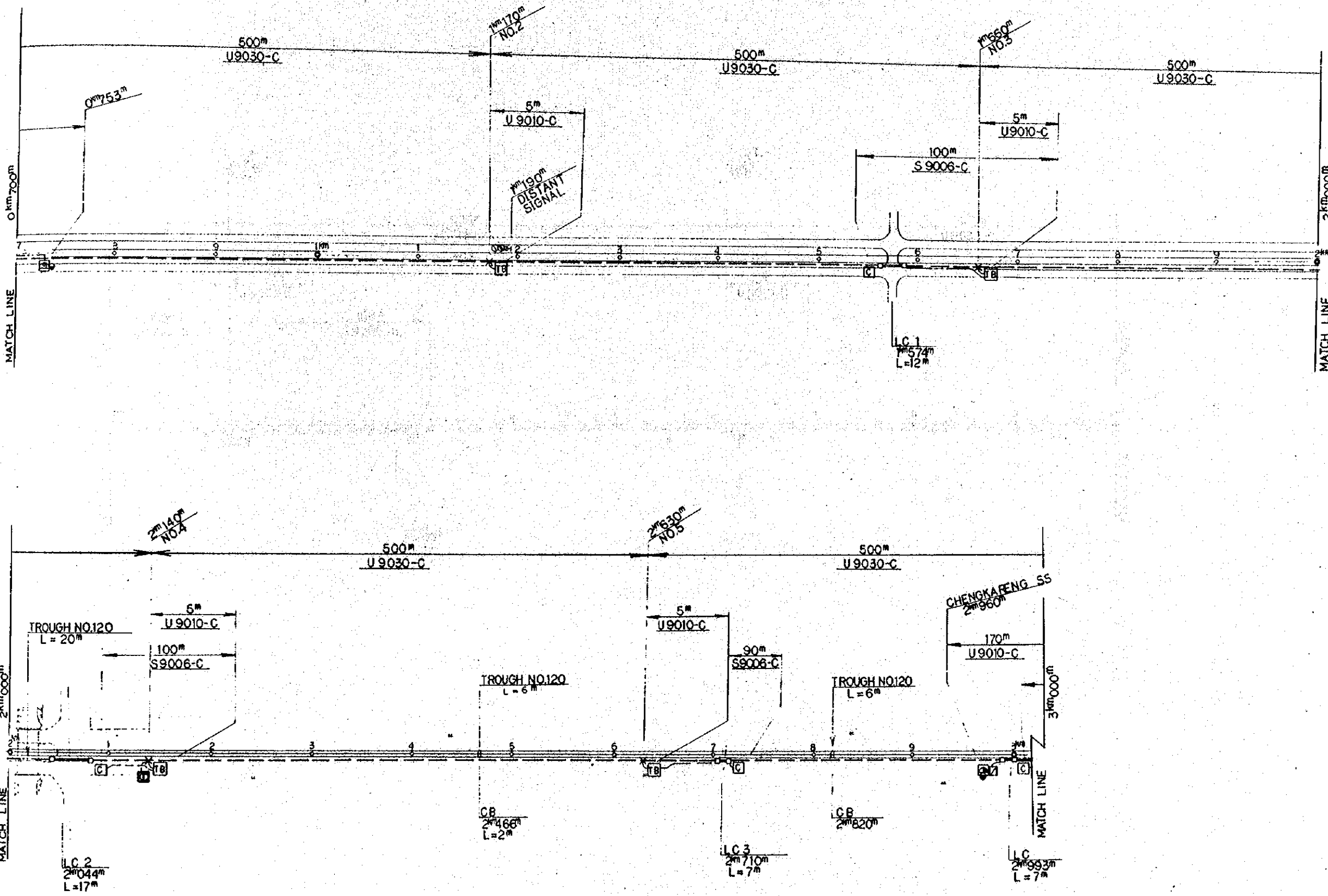
SCALE: NON SCALE DRAWING NO: ET-002



SIGNAL CABIN (SIGNAL/TELECOM EQUIPMENT ROOM) TELECOM PLAN (1st FLOOR)
SCALE 1:60

- LEGEND :
- : DIRECT-BURIAL CABLE
 - - - : CABLE IN TROUGH (TROUGH PROVIDED BY SIGNAL WORK)
 - 10P : DISTRIBUTION BOX (10P SHOWS TERMINAL CAPACITY)
 - A : HANDHOLE TYPE A
 - B : HANDHOLE TYPE B
 - x - : CABLE JOINT

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CEMKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1.00	1.00	T.S	K.K	K.M	M.K
A	1.00	1.00	T.S	K.K	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVISED	SUBMITTED
TELECOM CABLE PLAN (SHEET 1 OF 14)						
PACKAGE: II ELECTRICAL WORK						
SCALE	1:1000		DRAWING NO.			
			ET-003			



LEGEND:

- : DIRECT BURIAL CABLE
- - - : CABLE IN TROUGH
- : HAND HOLE TYPE 'C' & STEEL PIPE
- ▣ : DISTRIBUTION BOX OUTDOOR TYPE
- ⊞ : DISPATCH TELEPHONE (HOUSING OUTDOOR TYPE TELEPHONE BOX) & CONCRETE POLE
- ⊞ : MAGNETO TELEPHONE (HOUSING OUTDOOR TYPE TELEPHONE BOX) & CONCRETE POLE
- ⊞ : TERMINAL BOX
- ⊞ : SIGNAL APPARATUS CASE
- * : CABLE JOINT & CABLE BRANCH
- ⊞ : PCM LINE REPEATER EQUIPMENT (WITH MANHOLE)

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)

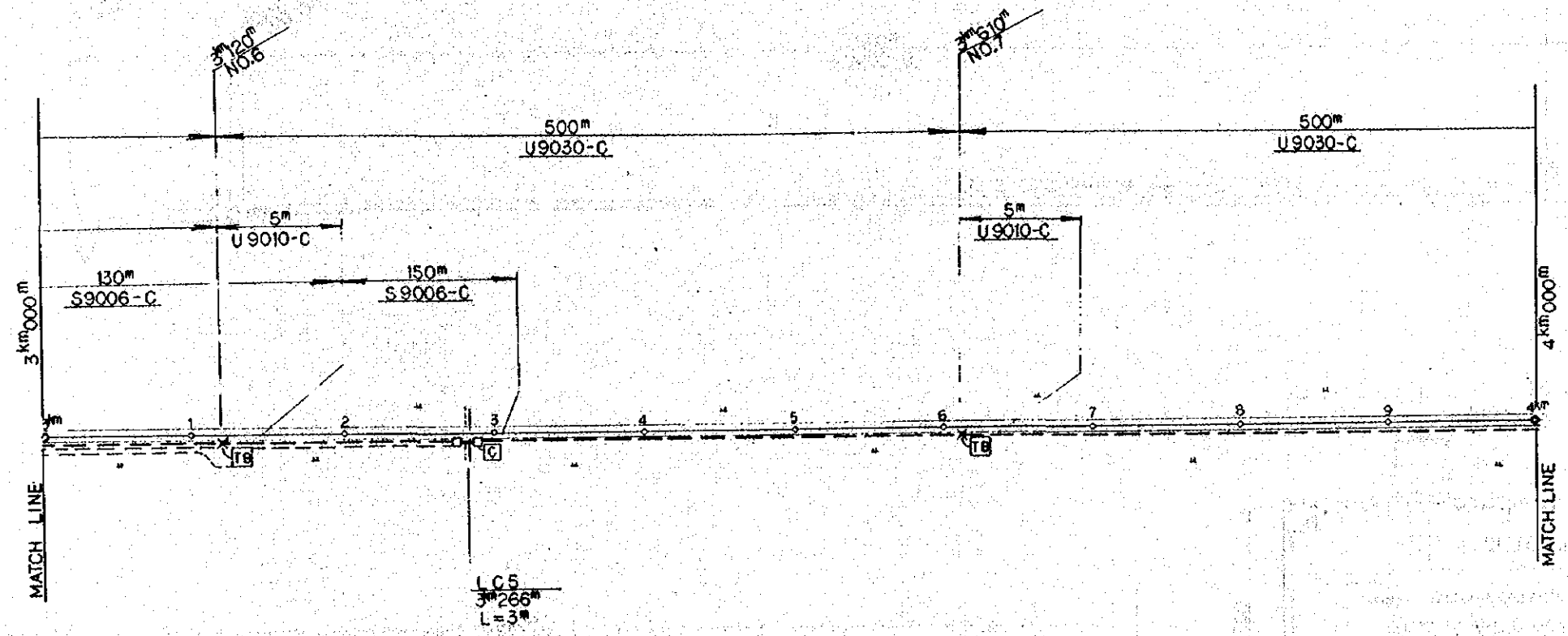
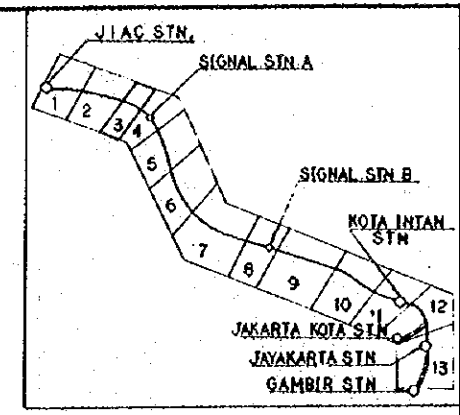
B	1 Aug 1991	KM	T.S	KU	KM	K
A	18 Feb 1991	KM	T.S	KU	KM	K

REVISIONS: DATE, REVISION, DRAWN, CHECKED, EXTEND, SHEETED

TELECOM CABLE PLAN
 (SHEET 2 of 14)

PACKAGE: III ELECTRICAL WORK

SCALE: DRAWING NO: ET-004



LEGEND :

- : DIRECT BURIAL CABLE
- : HAND HOLE TYPE 'C' & STEEL PIPE
- ▭ : TERMINAL BOX
- : SIGNAL APPARATUS CASE
- ✕ : CABLE JOINT CABLE BRANCH

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

NEW RAILWAY LINE FOR CENKARENG AIRPORT
CONSTRUCTION PROJECT

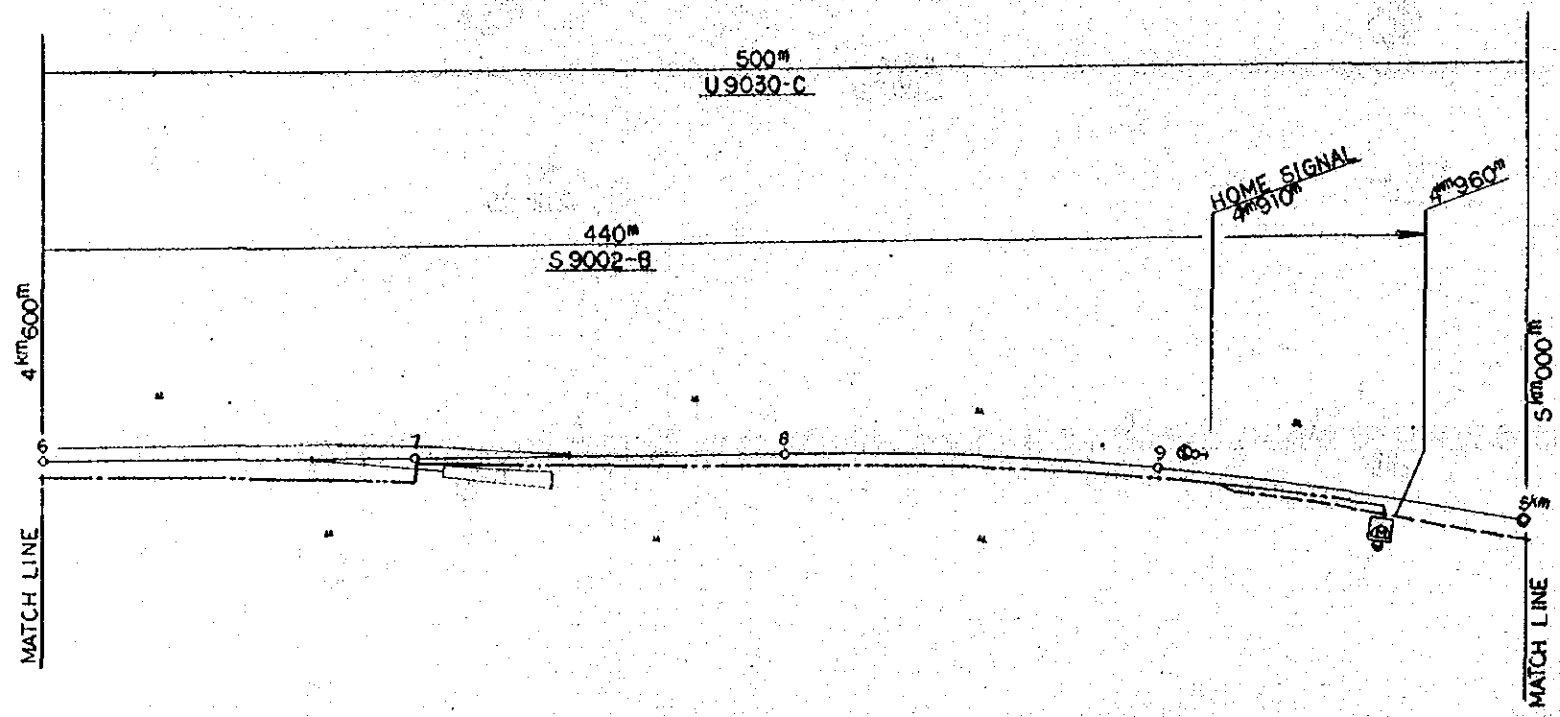
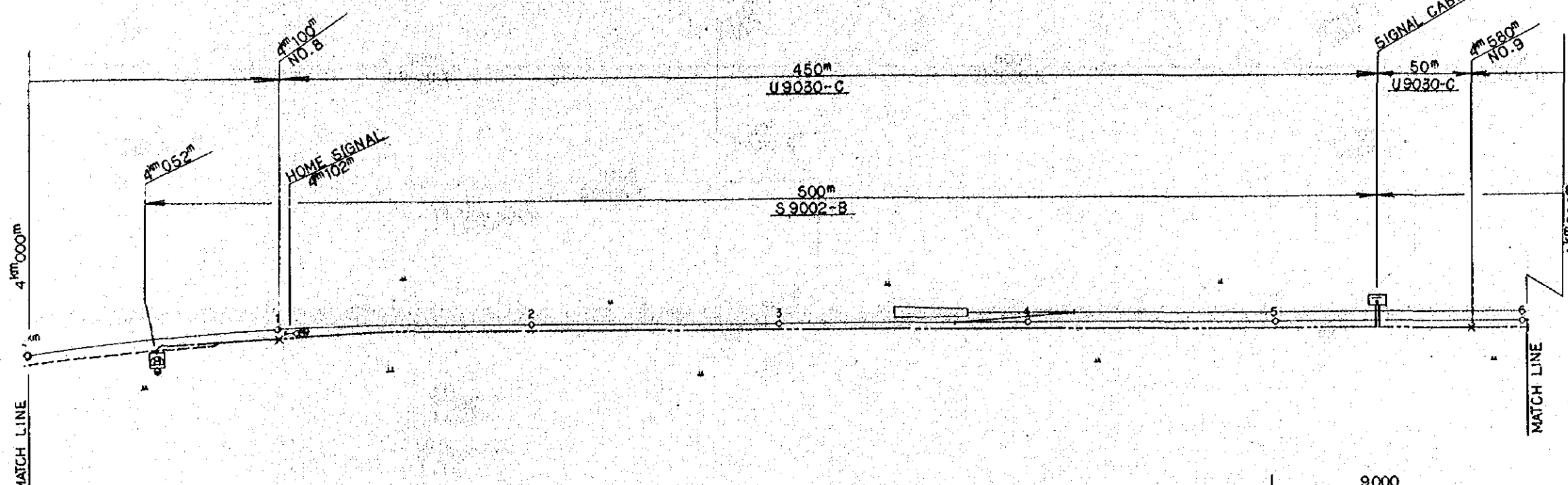
JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

B	1 Aug '88	K. H. S.	T. S.	K. H.	K. H.	K. H.
A	17 Aug '88	K. H. S.	T. S.	K. H.	K. H.	K. H.
REVISIONS	DATE	REVISION	BY	CHECKED	REVIEWED	SUBMITTED

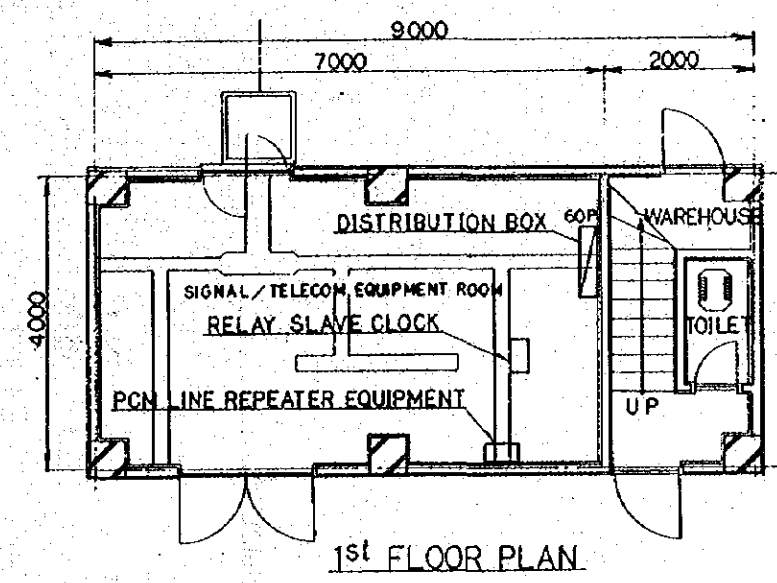
TELECOM CABLE PLAN
(SHEET 3 OF 14)

PACKAGE : **■ ELECTRICAL WORK**

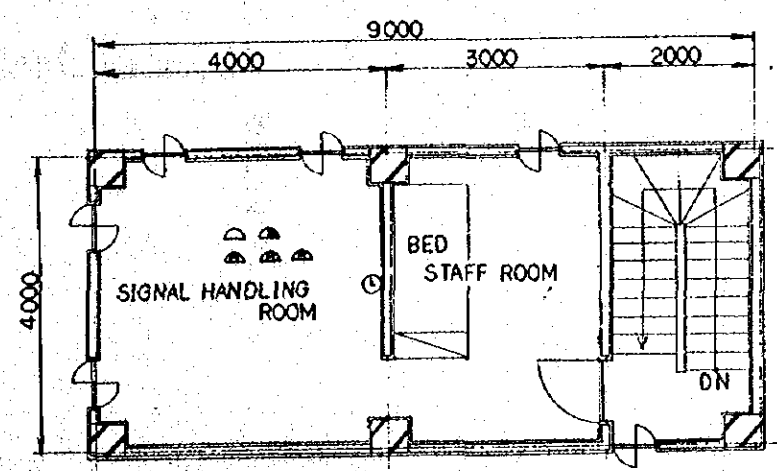
SCALE : 1 : 2000 DRAWING NO. : ET-005



SIGNAL STN. A PLAN

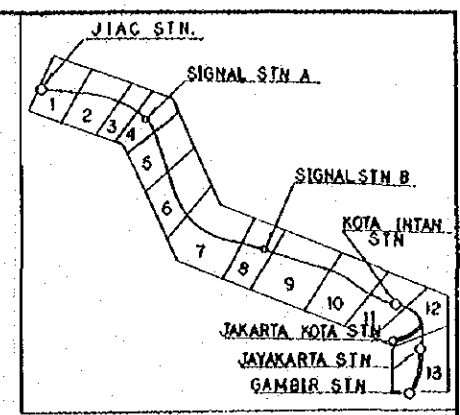


1st FLOOR PLAN



2nd FLOOR PLAN

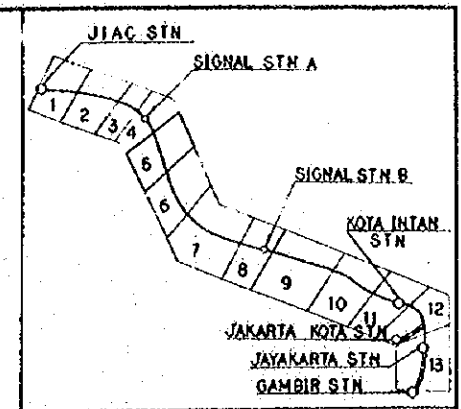
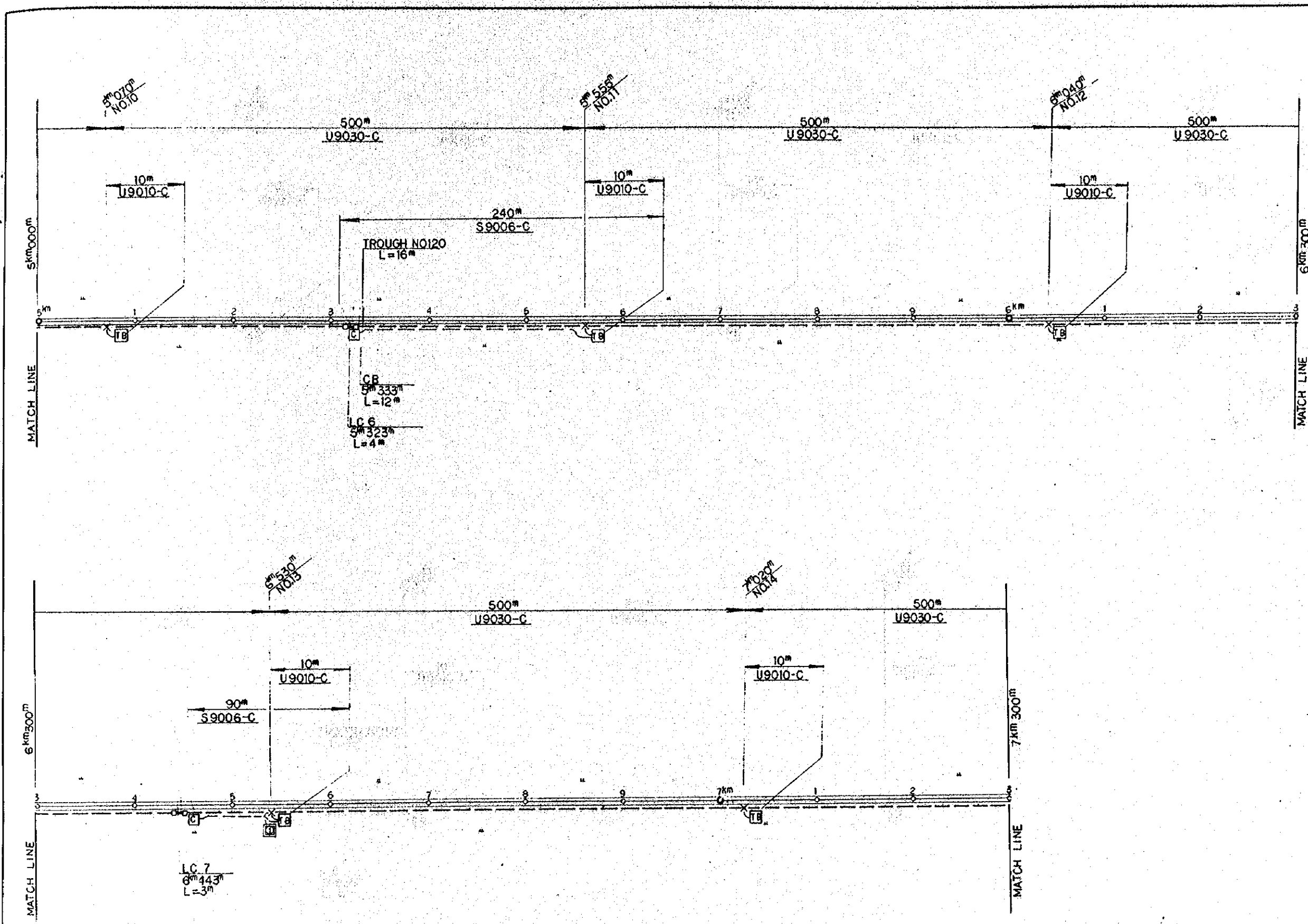
SIGNAL CABIN
SCALE : 1 : 50



LEGEND :

- DIRECT BURIAL CABLE
- - - CABLE IN TROUGH (TROUGH PROVIDED BY SIGNAL WORK)
- HAND HOLE TYPE 'C' & STEEL PIPE
- IOP : DISTRIBUTION BOX (INDOOR TYPE IOP: SHOW TERMINAL CAPACITY)
- ☒ MAGNETO TELEPHONE (HOUSING OUTDOOR TYPE TELEPHONE BOX) & CONCRETE POLE
- ✕ CABLE JOINT
- ⊖ AUTOMATIC TELEPHONE
- ⊖ DISPATCH TELEPHONE
- ⊖ MAGNETO TELEPHONE
- ⊖ SLAVE CLOCK SINGLE FACE

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)						
B	1 Aug 1988	Final	T.S	K.H	K.M	K.K
A	15 Jul 88	Final	T.S	K.H	K.M	K.K
REVISION	DATE	REASON	DESIGNED	CHECKED	APPROVED	SUBMITTED
TELECOM CABLE PLAN (SHEET 4 OF 14)						
PACKAGE : ELECTRICAL WORK						
SCALE	DRAWING NO.					
1 : 1000	ET-006					



- LEGEND :
- : DIRECT BURIAL CABLE
 - - - : CABLE IN TROUGH
 - ⊠ : HAND HOLE TYPE 'C' & STEEL PIPE
 - ⊠ : TERMINAL BOX
 - ⊠ : SIGNAL APPARATUS CASE
 - ✕ : CABLE JOINT & CABLE BRANCH
 - ⊠ : PCM LINE REPEATER EQUIPMENT (WITH MAMHOLE)

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

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

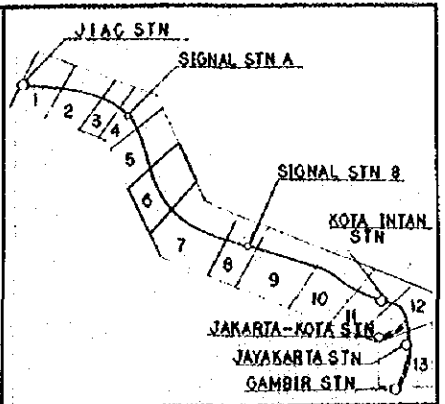
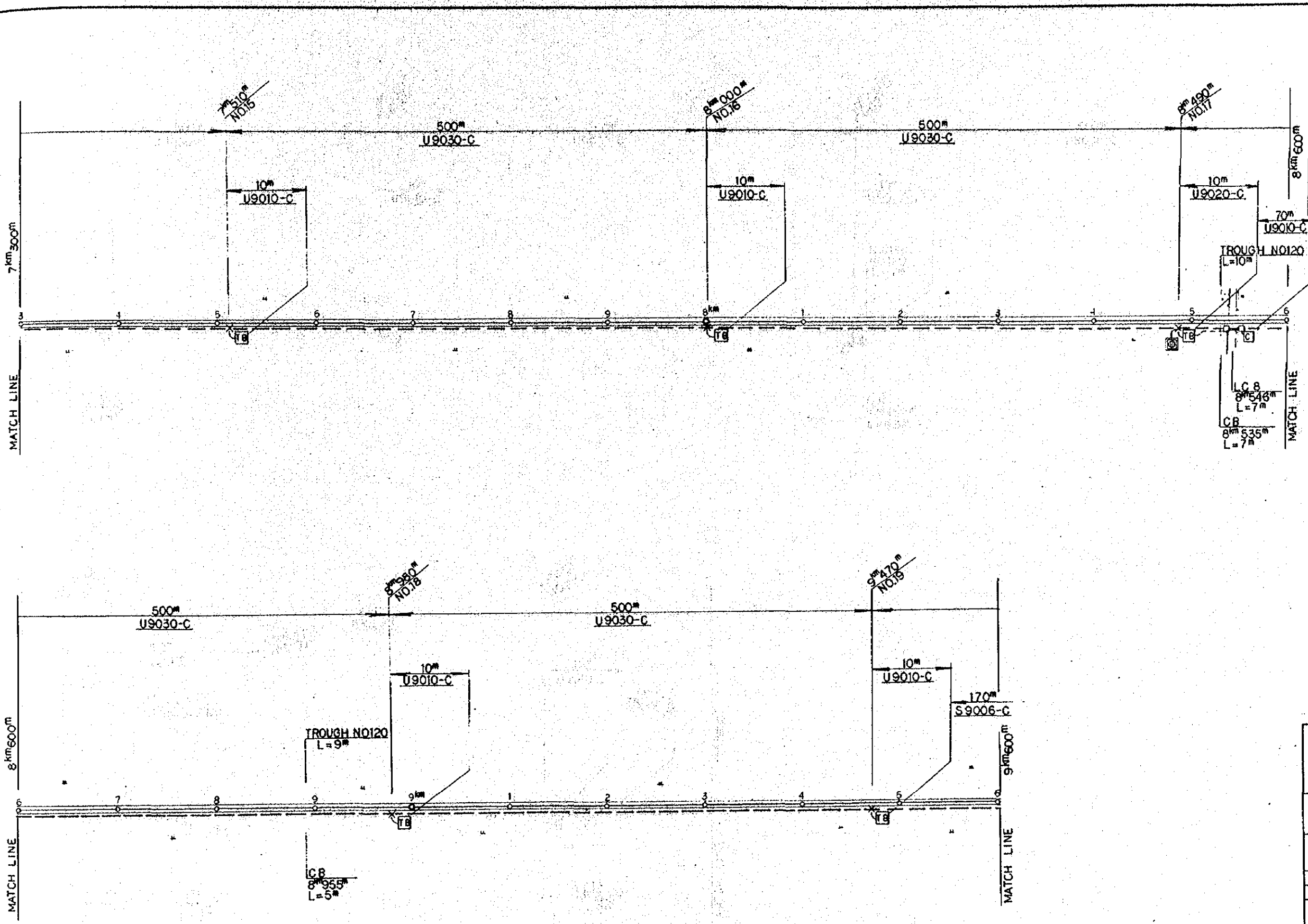
JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

B	1 Aug 78	Revised	T.S	K.M	K.M	K.M
A	15 Feb 78	Revised	T.S	K.M	K.M	K.M
REVISIONS	DATE	REASON	DESIGNED	CHECKED	REVIEWED	SUBMITTED

TELECOM CABLE PLAN
 (SHEET 5 OF 14)

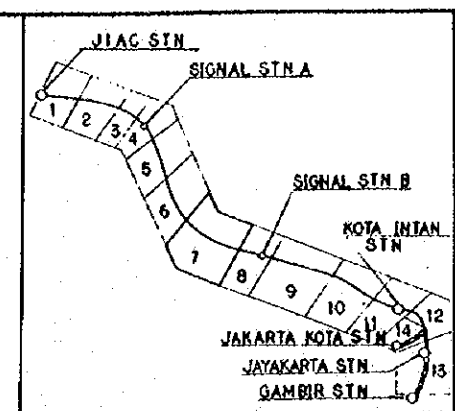
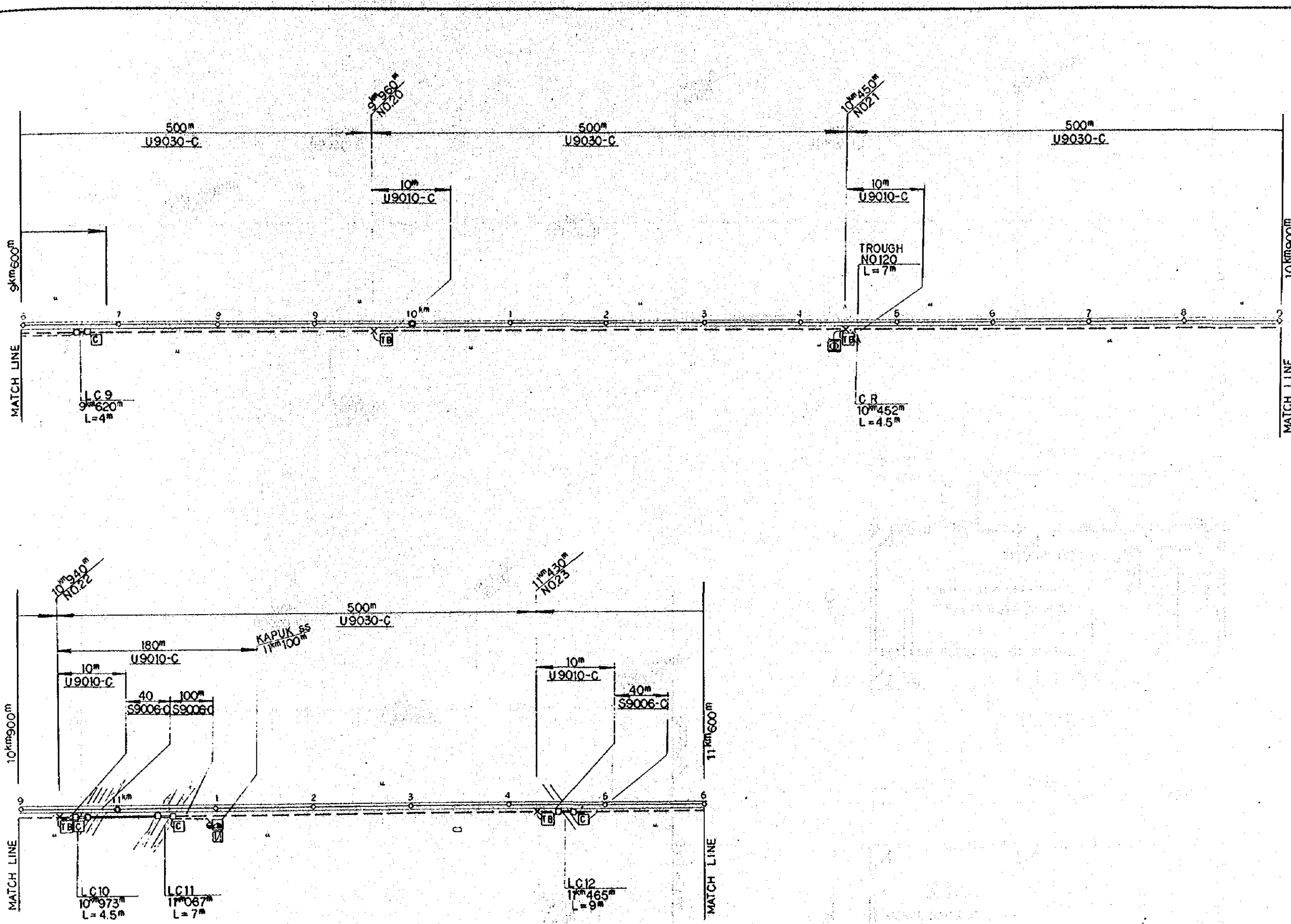
PROGRAM: II ELECTRICAL WORK

SCALE: 1:2000 DRAWING NO: ET-007



- LEGEND:
- : DIRECT BURIAL CABLE
 - - - : CABLE IN TROUGH
 - ⊠ : HAND HOLE TYPE 'C' & STEEL PIPE
 - ⊠ : TERMINAL BOX
 - ⊠ : SIGNAL APPARATUS CASE
 - ⊠ : CABLE JOINT & CABLE BRANCH
 - ⊠ : PCM LINE REPEATER EQUIPMENT (WITH MANHOLE)

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)						
B	1 Aug 78	K. H. H.	T.S.	KL	KM	PK
A	15 Jul 78	K. H. H.	T.S.	KL	KM	PK
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	EXTENDED	SUBMITTED
TELECOM CABLE PLAN (SHEET 6 OF 14)						
PACKAGE: II ELECTRICAL WORK						
SCALE: 1:2000		DRAWING NO: ET-008				



LEGEND :

- : DIRECT BURIAL CABLE
- : CABLE IN DUCT
- : CABLE IN TROUGH
- : HANDHOLE TYPE 'C' & STEEL PIPE
- : DISTRIBUTION BOX OUTDOOR TYPE
- : DISPATCH TELEPHONE (ENCLOSURE OUTDOOR TYPE TELEPHONE BOX)
- : TERMINAL BOX
- : SIGNAL APPARATUS CASE
- ✕ : CABLE JOINT & CABLE BRANCH
- : PCM LINE REPEATER EQUIPMENT (WITH MANHOLE)

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

NEW RAILWAY LINE FOR CENKARENG AIRPORT
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

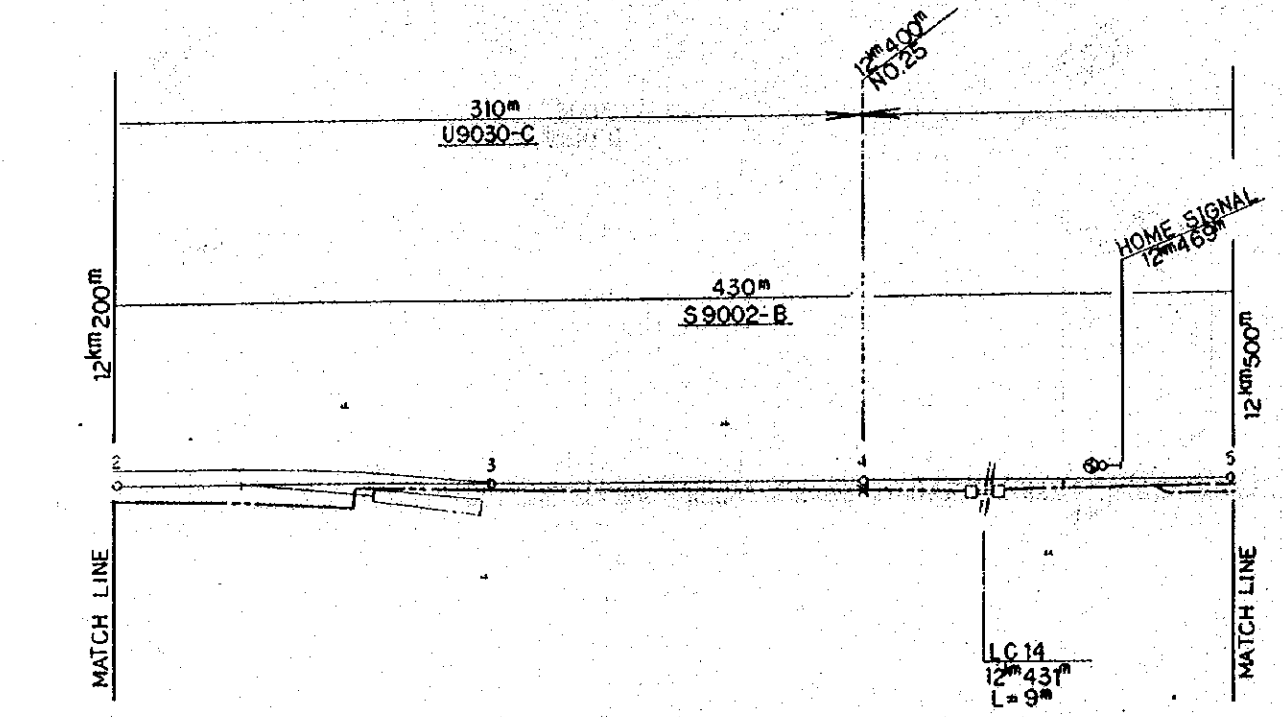
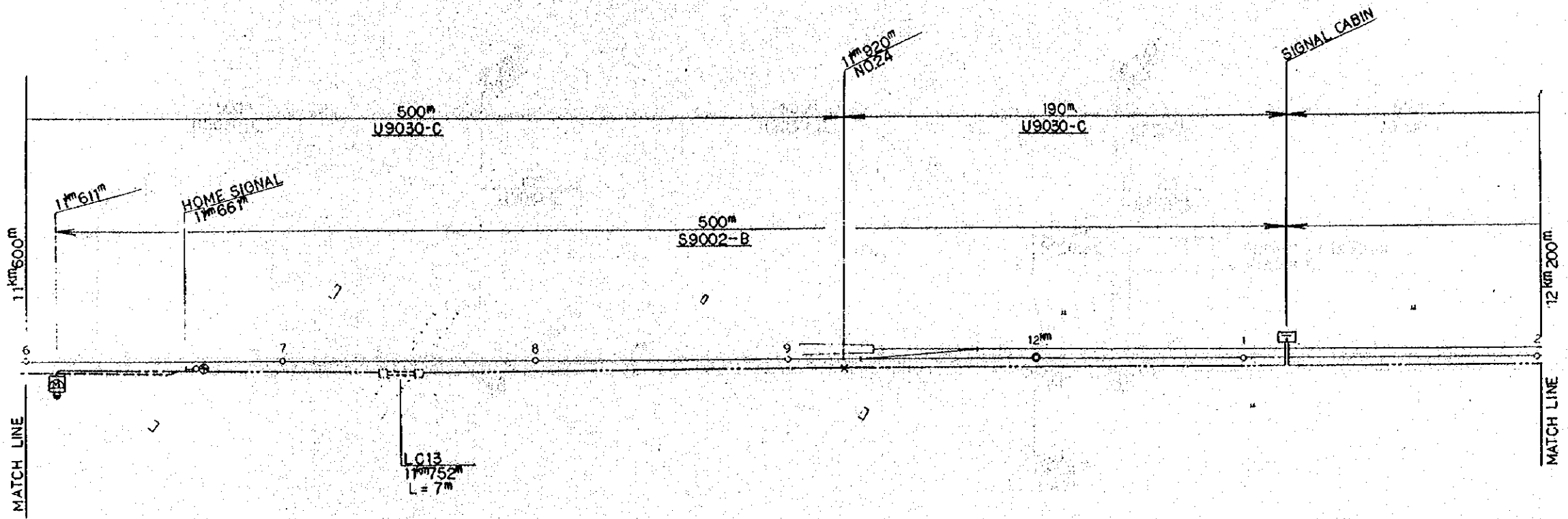
B	1 Aug 88	Checked	7.5	K.K.	K.M.	M.K.
A	2 Aug 88	Checked	7.5	K.K.	K.M.	M.K.
REVISIONS	DATE	REVISION	SCALE	DESIGNED	CHECKED	SUBMITTED

TELECOM CABLE PLAN
 (SHEET 7 OF 14)

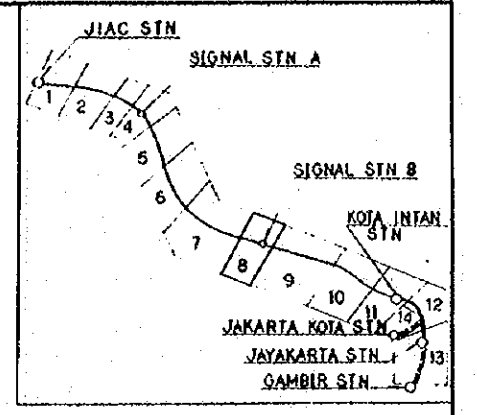
PACKAGE: ELECTRICAL WORK

SCALE: 1 : 2000

DRAWING NO: ET-009

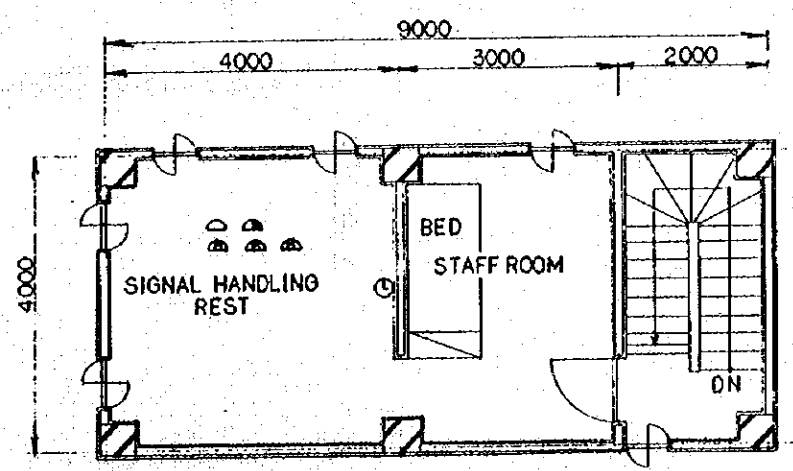
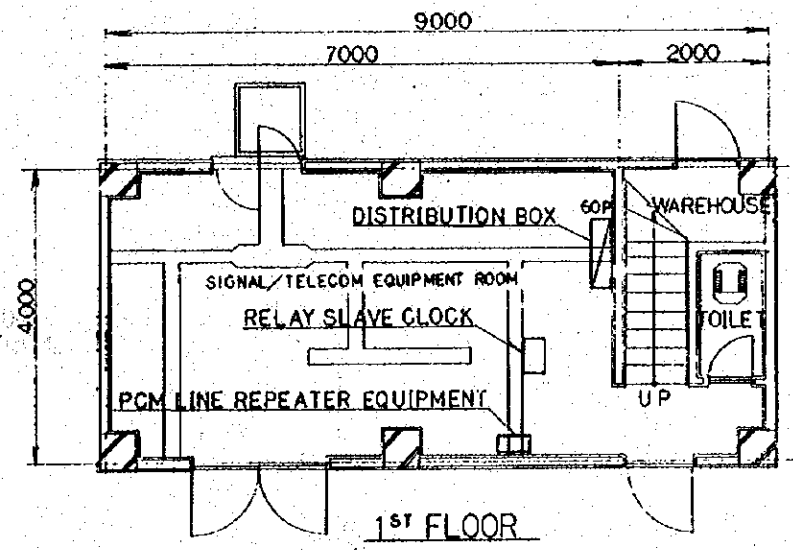


SIGNAL STN B PLAN



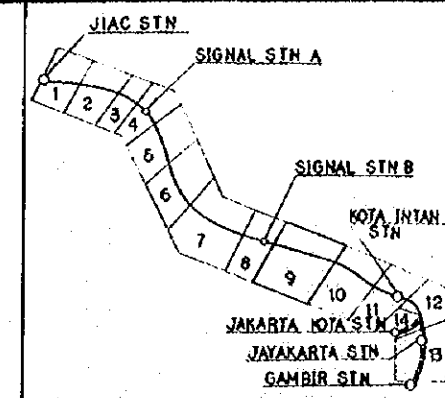
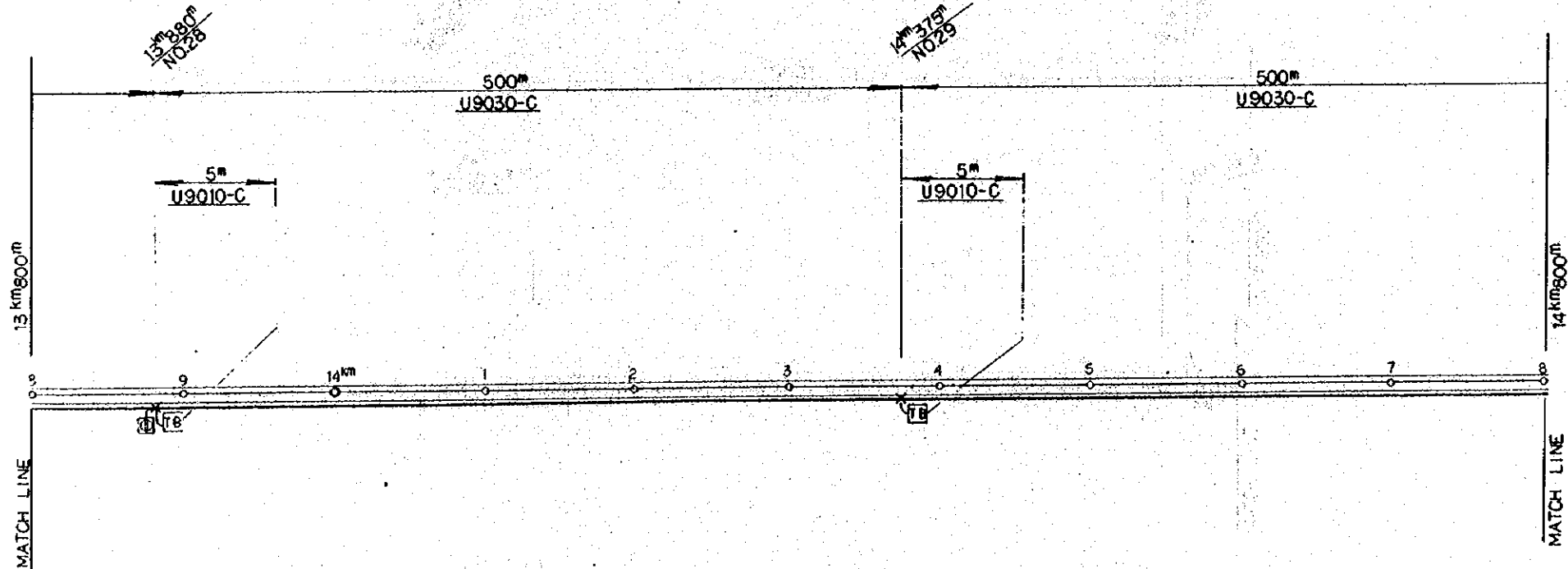
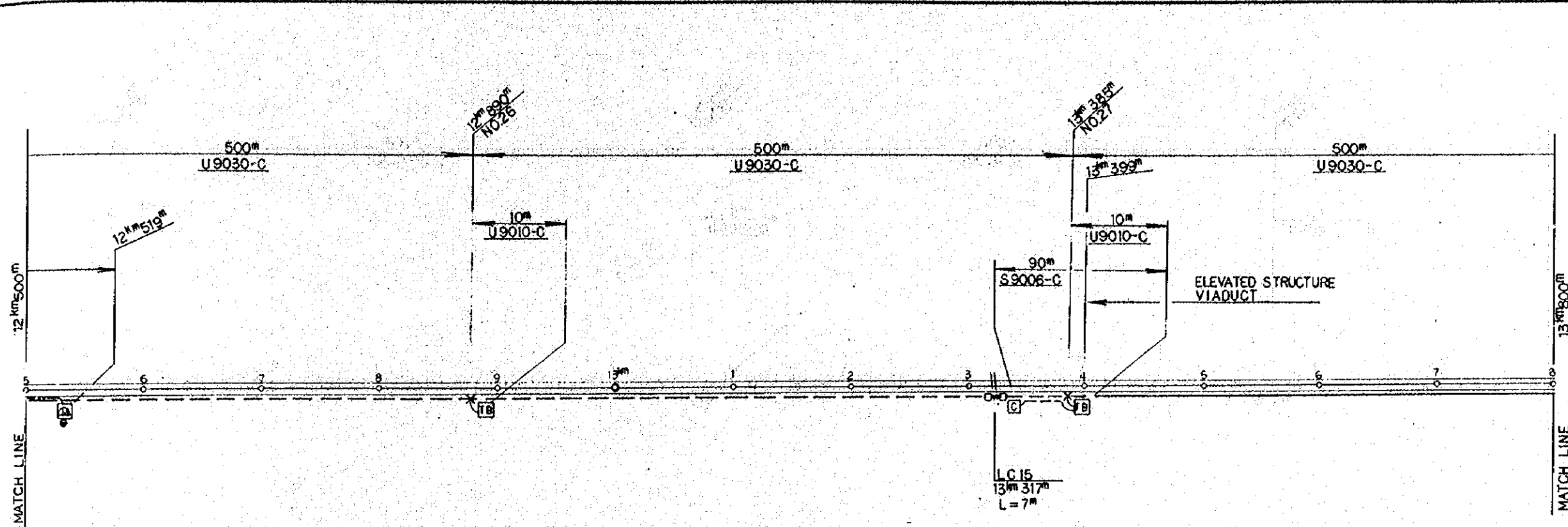
LEGEND

- : DIRECT BURIAL CABLE
- - - - - : CABLE IN TROUGH (TROUGH PROVIDED BY SIGNAL WORK)
- 60P : DISTRIBUTION BOX INDOOR TYPE 60P SHOW TERMINAL CAPACITY
- ⊞ : MAGNETO TELEPHONE (HOUSING OUTDOOR TYPE TELEPHONE BOX) & CONCRETE POLE
- x — : CABLE JOINT
- ⊞ : HAND HOLE STEEL PIPE (PROVIDED BY SIGNAL WORK)



SIGNAL CABIN SCALE 1 : 50

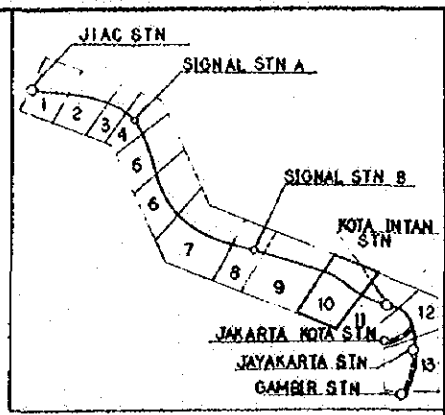
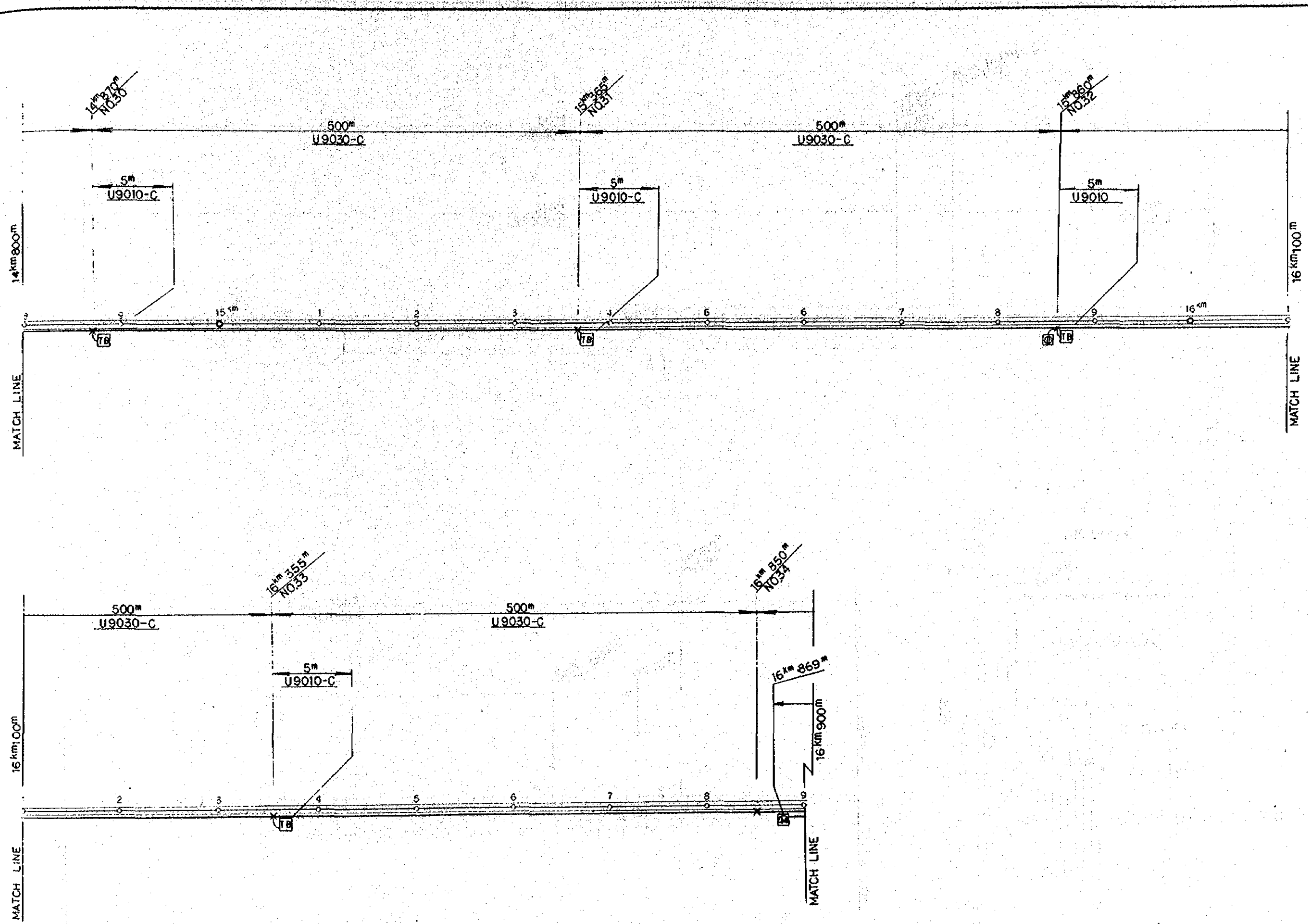
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 Aug 88	REVISED	T.S	KU	KM	AK
A	17 Feb 88	REVISED	T.S	KU	KM	AK
REVISIONS	DATE	DESCRIBED	BY	CHECKED	REVIEWED	SUBMITTED
TELECOM CABLE PLAN (SHEET 8 OF 14)						
PACKAGE: ELECTRICAL WORK						
SCALE: 1 : 1000						
DRAWING NO: ET-010						



LEGEND :

- : DIRECT-BURIAL CABLE
- : CABLE IN DUCT
- : HAND HOLE TYPE 'C' & STEEL PIPE
- ⊠ : TERMINAL BOX
- ⊞ : SIGNAL APPARATUS CASE
- ⋈ : CABLE JOINT & CABLE BRANCH
- ⊞ : PCM LINE REPEATER EQUIPMENT
- ⊞ : MAGNETO TELEPHONE (HOUSING OUTDOOR TYPE TELEPHONE BOX) & CONCRETE POLE

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 Aug '88	Kediri	T.S	K.H	K.M	J.K
A	15 Feb '88	Kediri	T.S	K.H	K.M	J.K
REVISION	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
TELECOM CABLE PLAN (SHEET 9 of 14)						
PACKAGE: II ELECTRICAL WORK						
SCALE: 1:2000		DRAWING NO: ET-011				



- LEGEND :**
- : CABLE IN DUCT
 - ⊠ : TERMINAL BOX
 - ✕ : CABLE JOINT & CABLE BRANCH
 - ⊞ : PCM LINE REPEATER EQUIPMENT
 - ⊞ : MAGNETO TELEPHONE (HOUSING OUTDOOR TYPE TELEPHONE BOX)

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

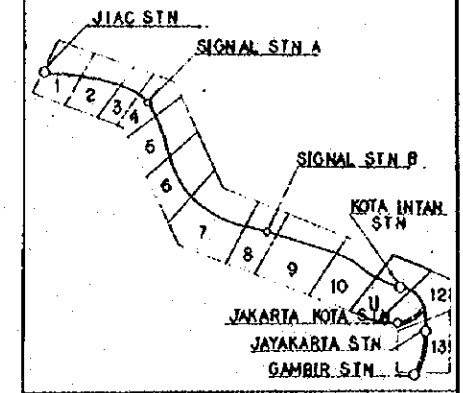
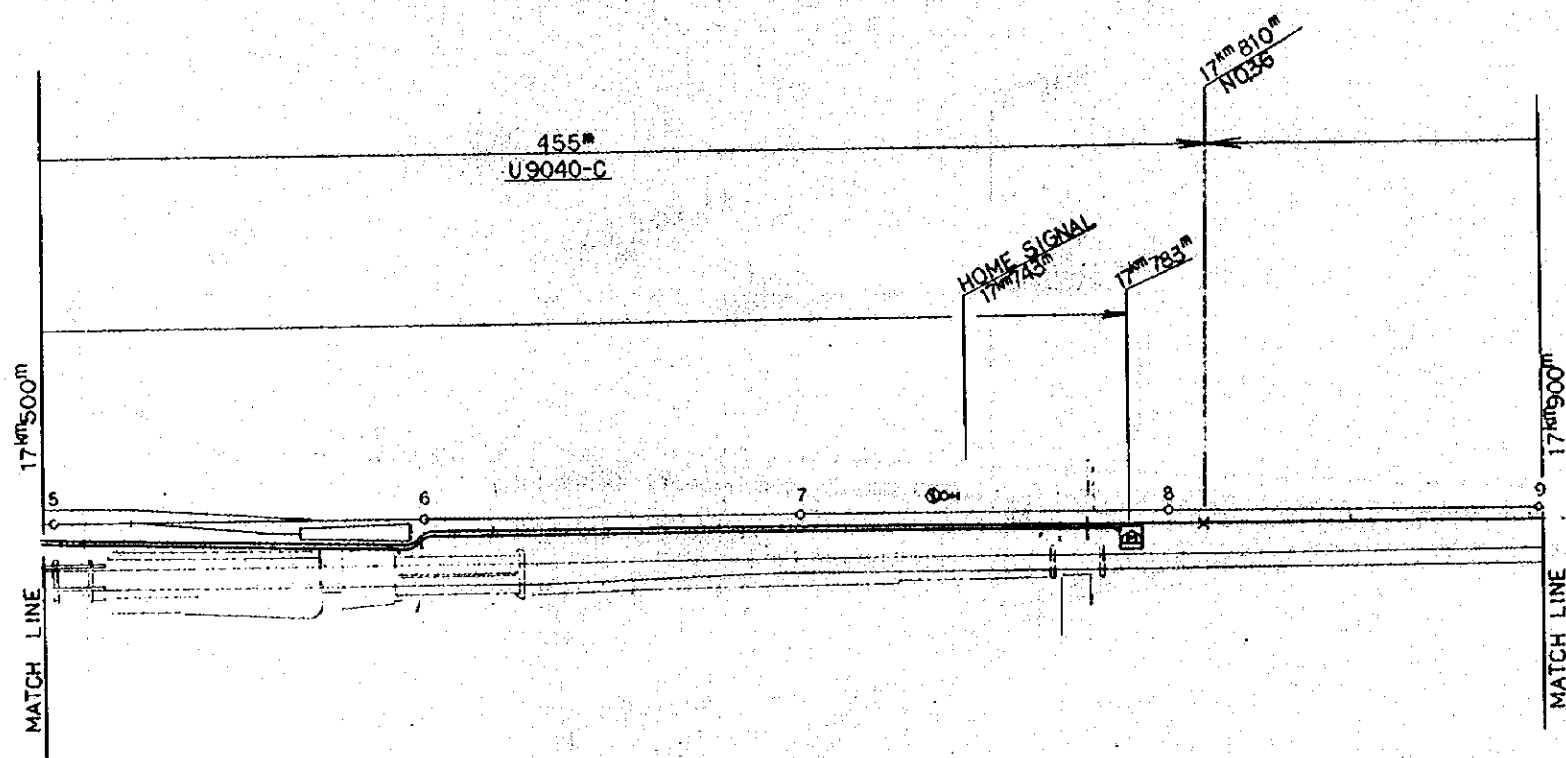
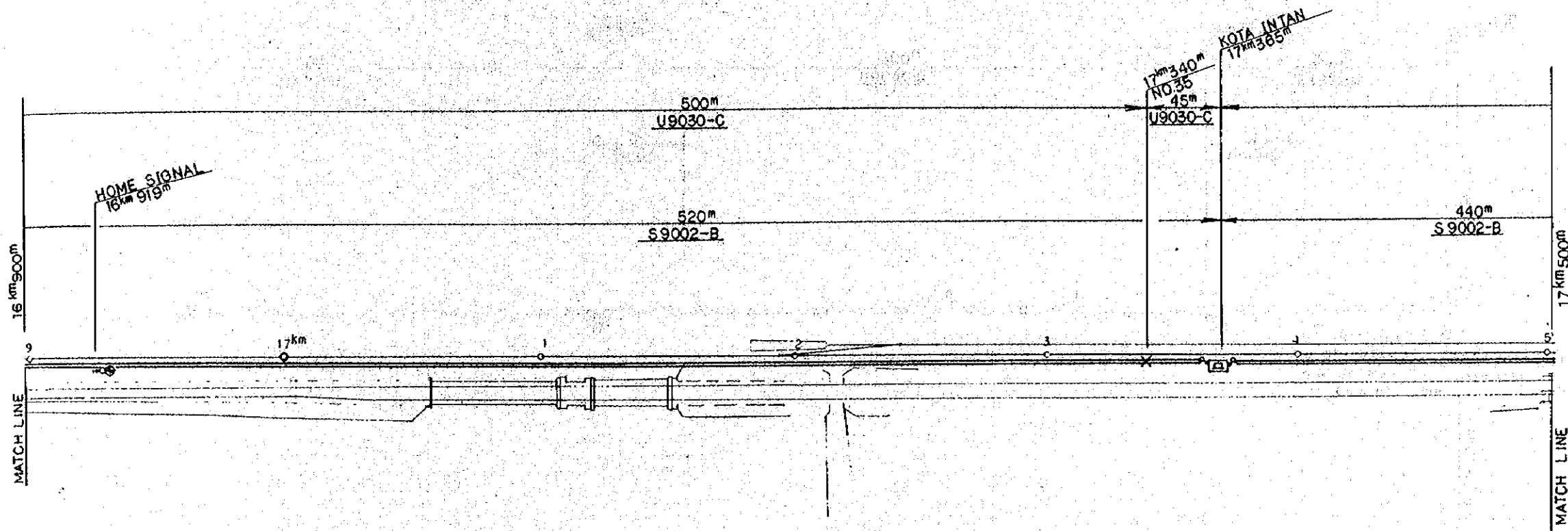
NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

B	1 Aug 78	T.S	G.K	K.M	M.K
A	14 Aug 78	T.S	G.K	K.M	M.K
REVISION	DATE	DESIGNED	CHECKED	REVIEWED	SUBMITTED

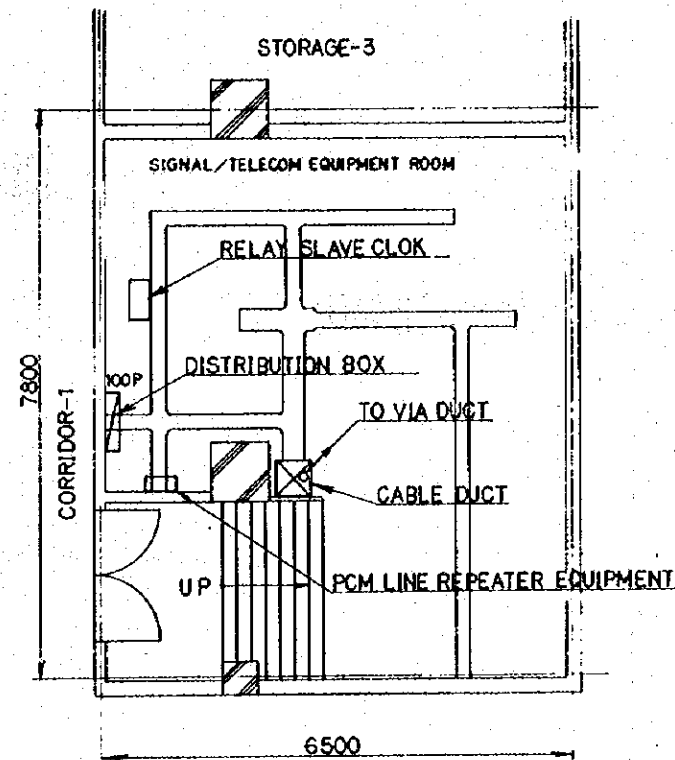
TELECOM CABLE PLAN
 (SHEET 10 OF 14)

PACKAGE: III ELECTRICAL WORK	
SCALE: 1:2000	DRAWING NO: ET-012



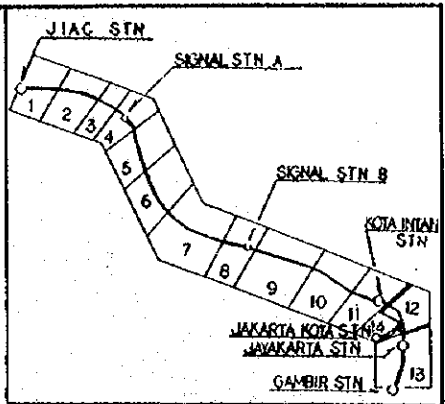
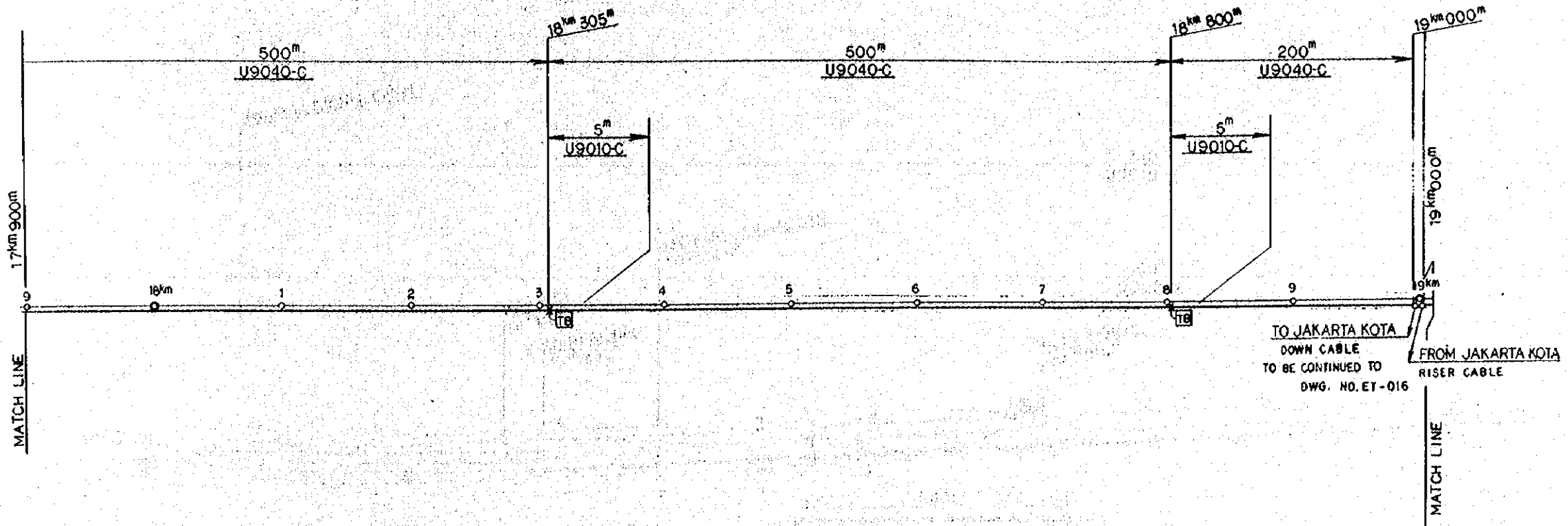
LEGEND :

- : CABLE IN DUCT
- IOP : DISTRIBUTION BOX INDOOR TYPE
IOP: SHOW TERMINAL CAPACITY
- : MAGNETO TELEPHONE (HOUSING OUTDOOR TYPE TELEPHONE BOX)
- X — : CABLE JOINT

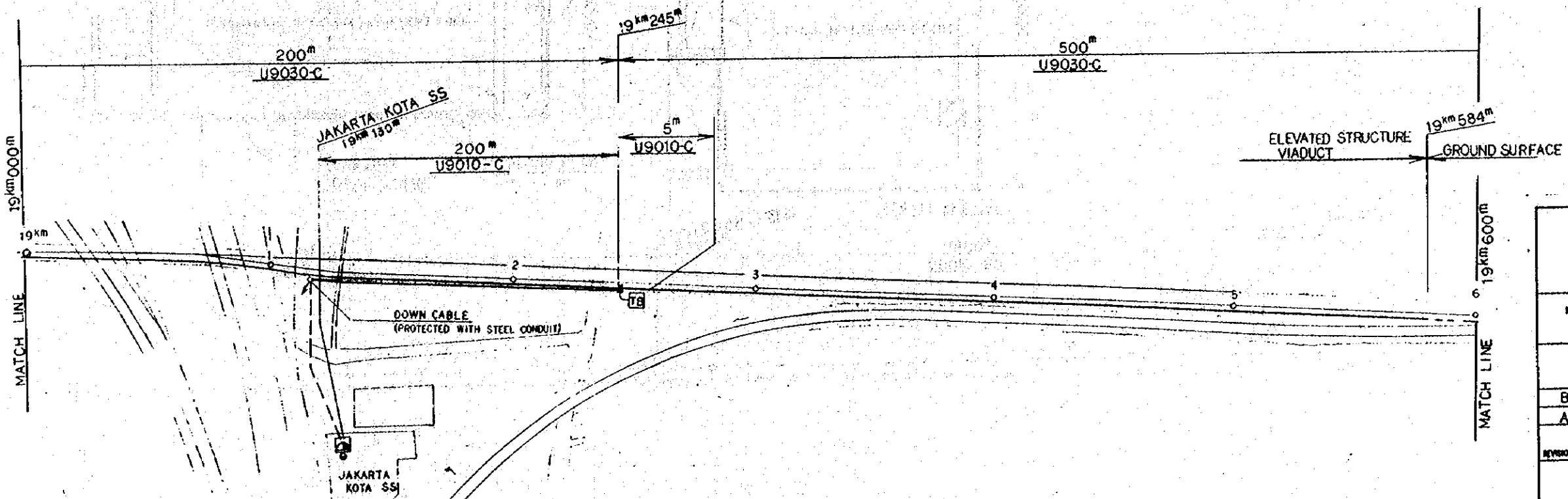


KOTA INTAN STN
SIGNAL / TELECOM EQUIPMENT ROOM PLAN
SCALE 1:50

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)					
B	1 Aug '88	KIK	T.S	KIK	K.M
A	15 Aug '88	KIK	T.S	KIK	K.M
REVISIONS	DATE	REVISION	BY	CHECKED	APPROVED
TELECOM CABLE PLAN (SHEET 11 OF 14)					
PACKAGE: ELECTRICAL WORK					
SCALE: 1:1000		DRAWING NO: ET-013			



- LEGEND :
- : CABLE IN DUCT
 - - - : DIRECT BURIAL CABLE
 - · - · : CABLE IN TROUGH
 - ⊞ : TERMINAL BOX
 - ⊥ : CABLE JOINT & CABLE BRANCH
 - ⊞ : DISPATCH TELEPHONE (HOUSING OUTDOOR TYPE) TELEPHONE BOX & CONCRETE POLE



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

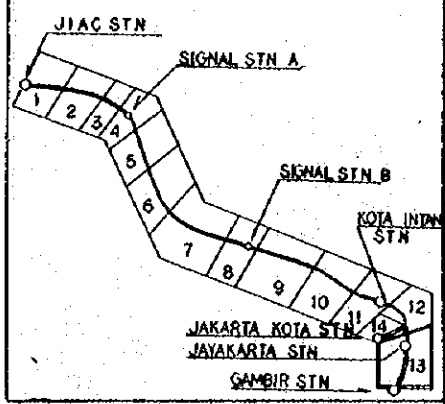
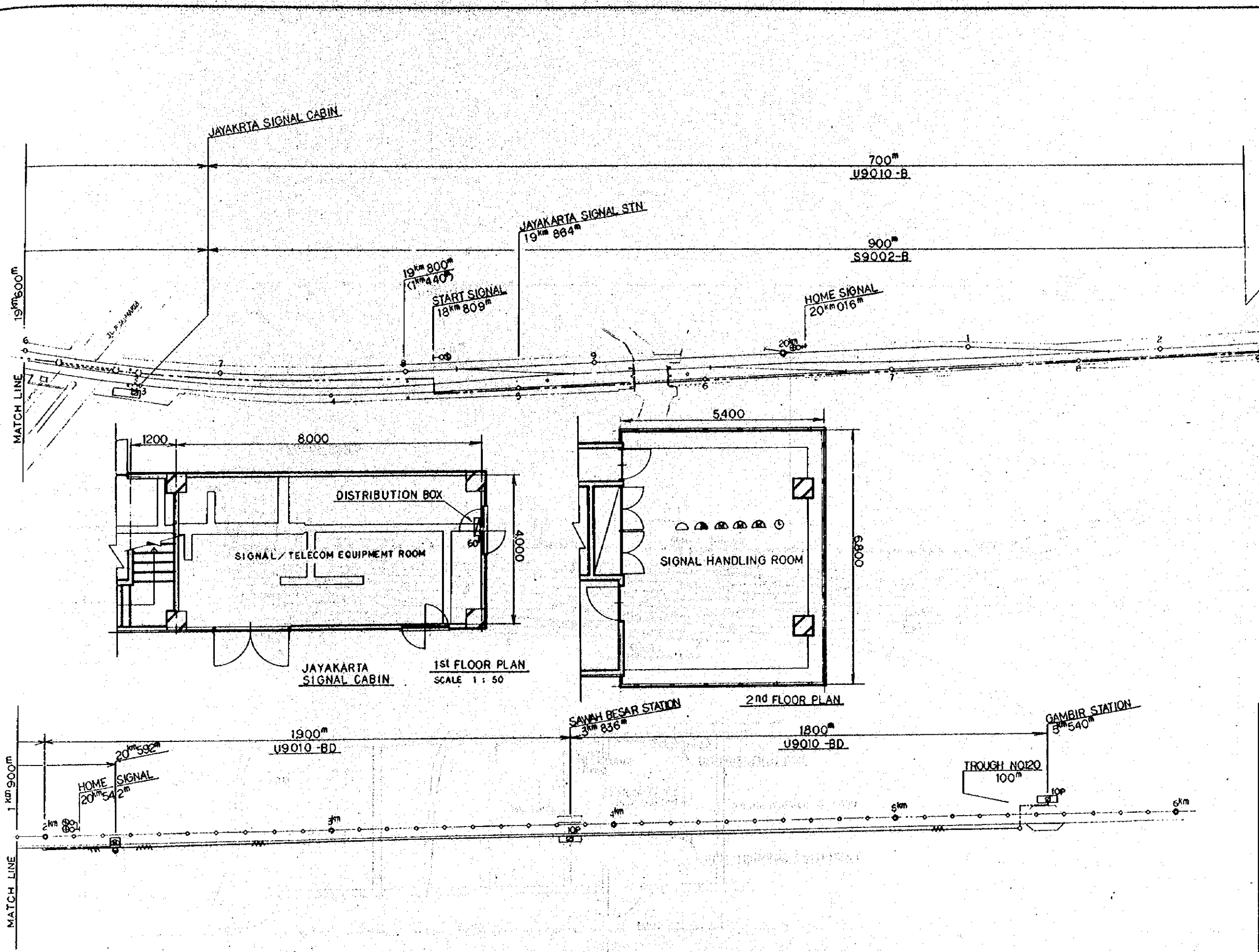
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

B	1 Aug '88	Revised	T.S	R.K	U.V.A	~K
A	15 Aug '88	Revised	T.S	R.K	U.V.A	~K
REVISION	DATE	REASON	DESIGNED	CHECKED	REVIEWED	APPROVED

TELECOM CABLE PLAN
 (SHEET 12 of 14)

PACKAGE: II ELECTRICAL WORK
 SCALE: DRAWING NO. ET-014



- LEGEND:**
- : CABLE IN TROUGH (TROUGH PROVIDED BY SIGNAL WORK)
 - : OVERHEAD CABLE
 - _{60P} : DISTRIBUTION BOX (60P SHOW TERMINAL CAPACITY)
 - ⊠ : MAGNETO TELEPHONE HOUSING (OUTDOOR TYPE TELEPHONE BOX) & CONCRETE POLE
 - ⊠ : HANDHOLE & STEEL PIPE (PROVIDED BY SIGNAL WORK)
 - ⊠ : AUTOMATIC TELEPHONE
 - ⊠ : DISPATCH TELEPHONE
 - ⊠ : MAGNETO TELEPHONE
 - ⊠ : SLAVE CLOCK

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

NEW RAILWAY LINE FOR CENKARENS AIRPORT CONSTRUCTION PROJECT

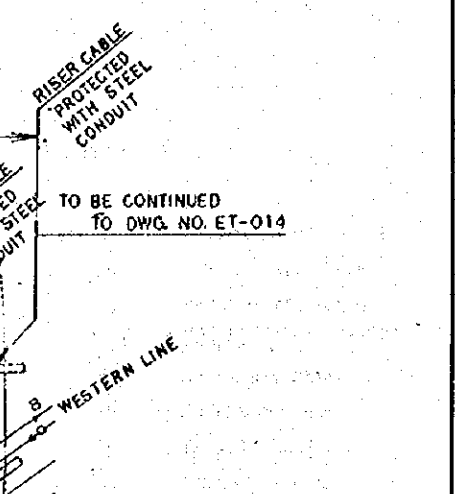
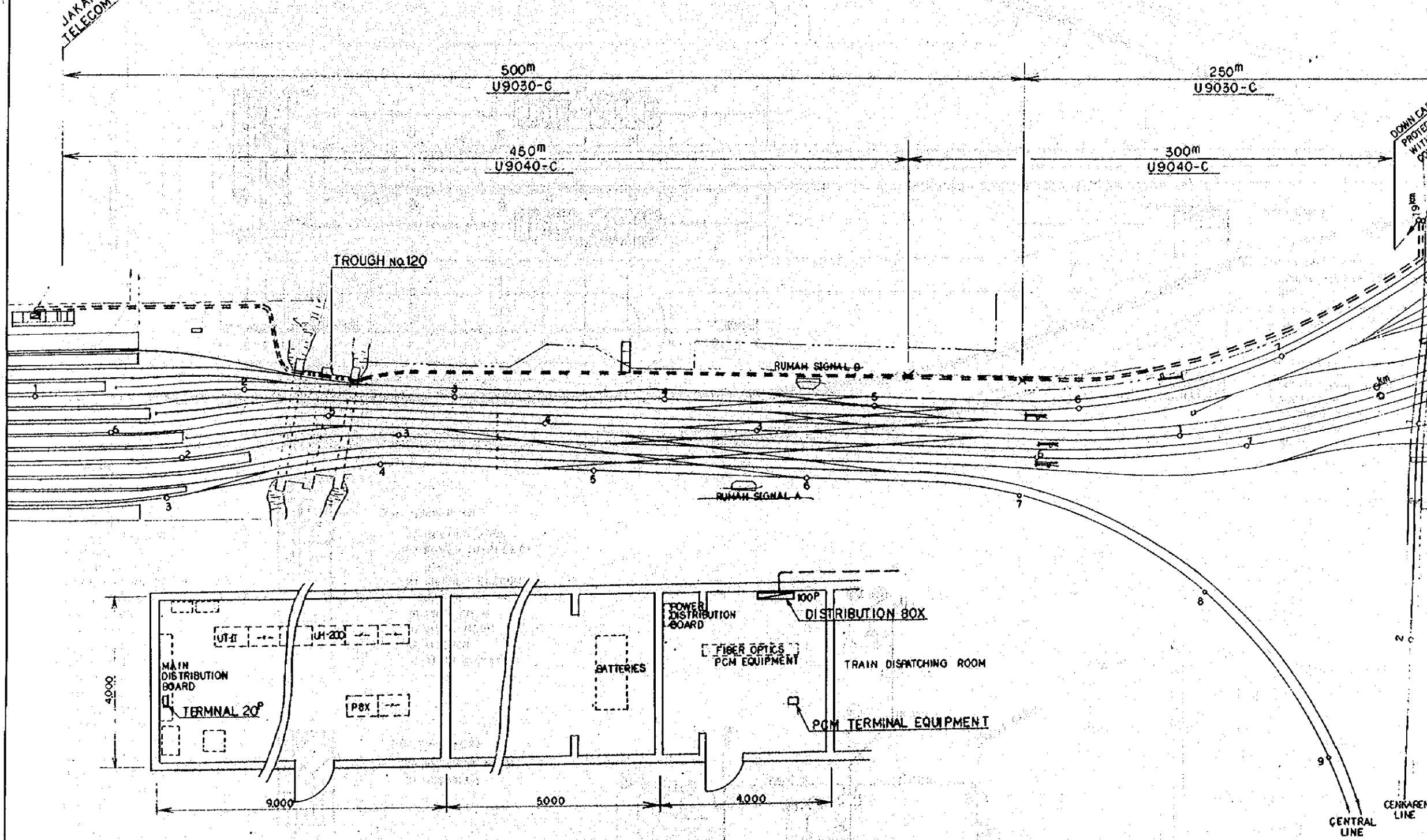
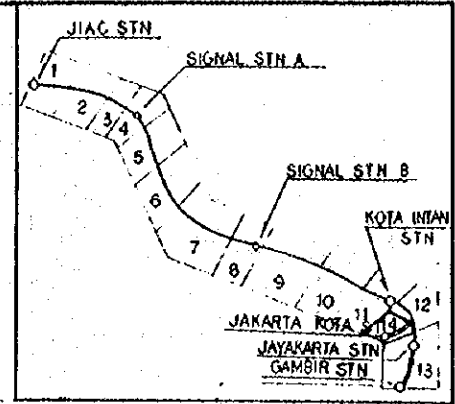
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

B	1 Aug 74	10/10/74	T.S	K.H	K.M	K.R
A	15 Aug 74	10/10/74	T.S	K.H	K.M	K.R
REVISION	DATE	BY	REASON	DESIGNED	CHECKED	APPROVED

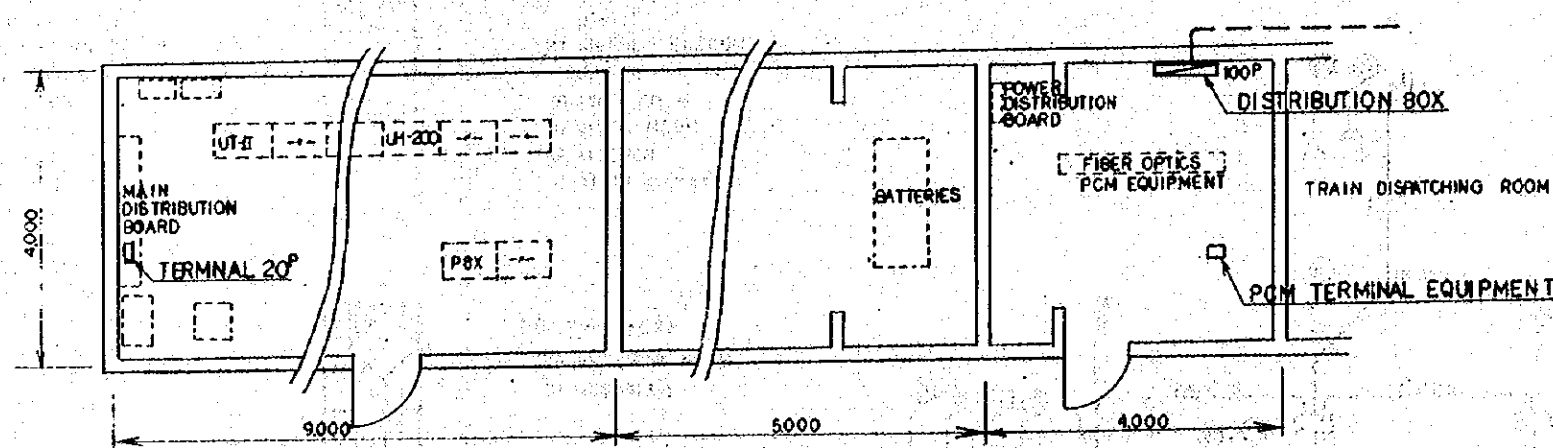
TELECOM CABLE PLAN
 (SHEET 13 OF 14)

PROGRAM: ELECTRICAL WORK

SCALE: AS NOTED DRAWING NO: ET-015



- LEGEND:**
- - - : DIRECT BURIAL CABLE
 - - - : CABLE IN TROUGH
 - 100P : DISTRIBUTION BOX
100P: SHOW TERMINAL CAPACITY
 - X : CABLE JOINT



TELECOM ROOM PLAN (JAKARTA KOTA)
SCALE 1:150

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

NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT

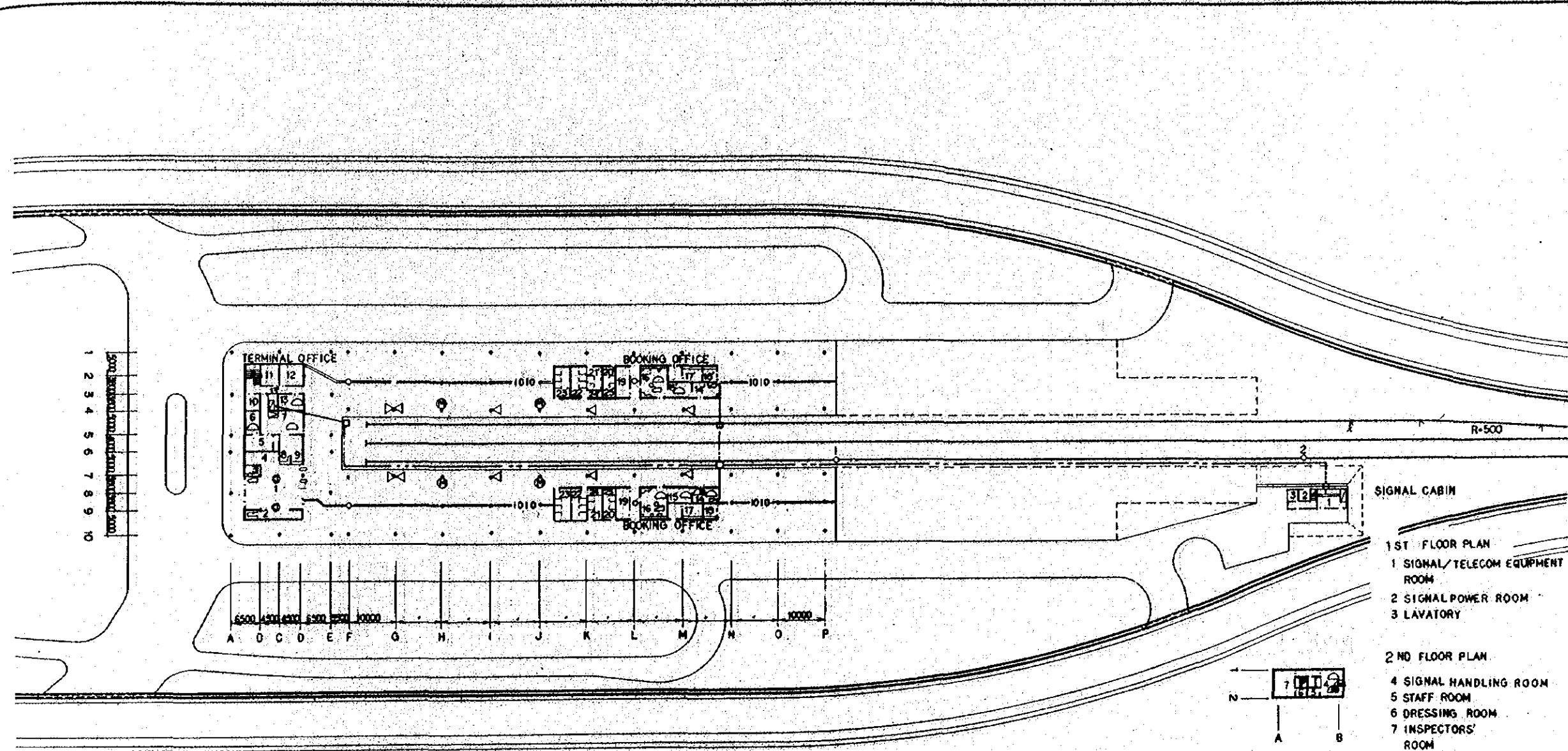
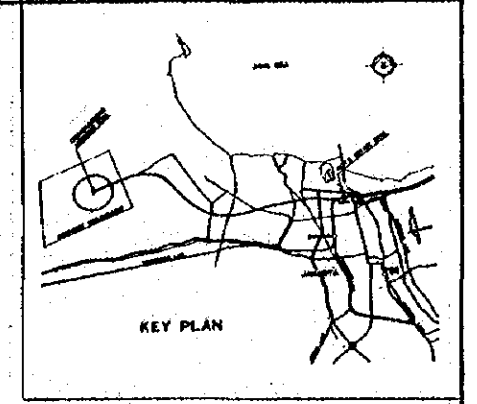
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

B	1	1	1	1	1	1	1	1	1
A	1	1	1	1	1	1	1	1	1
REVISION	DATE	DESIGNED	CHECKED	APPROVED	REVIEWED	APPROVED	REVIEWED	APPROVED	REVIEWED

TELECOM CABLE PLAN
(SHEET 14 OF 14)

PACKAGE: ELECTRICAL WORK

SCALE: 1:1000 DRAWING NO: ET-016

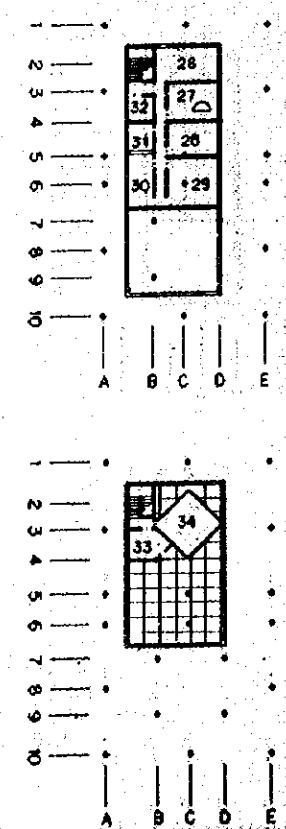


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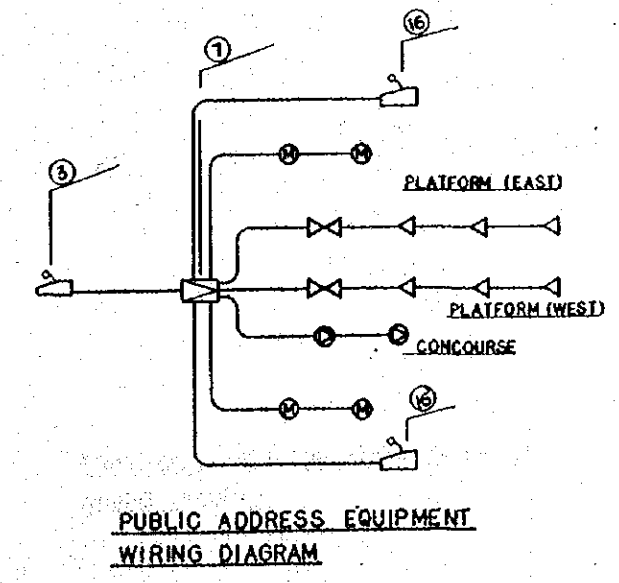
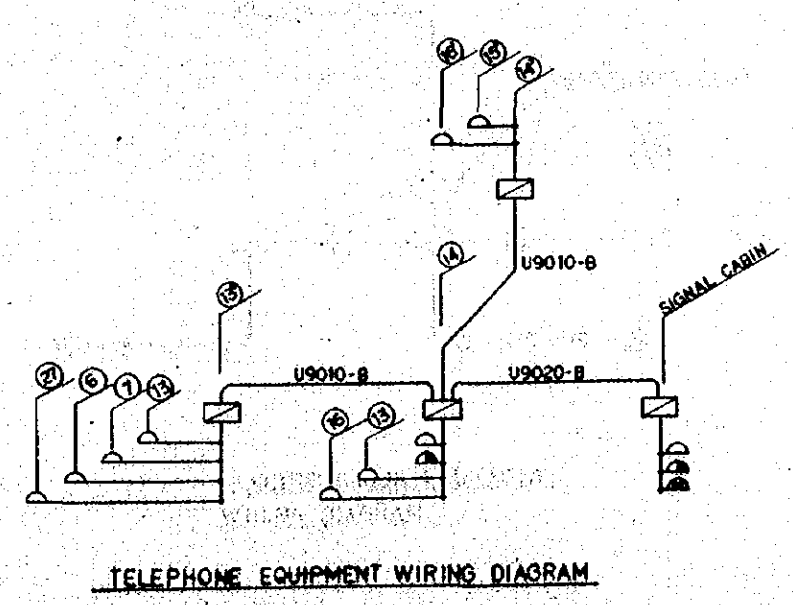
- ⊙ : AUTOMATIC TELEPHONE
- ⊕ : DISPATCH TELEPHONE
- ⊖ : MAGNETO TELEPHONE
- ⊞ : MASTER PUBLIC ADDRESS EQUIPMENT
- ⊟ : OPERATING PANEL
- ⊠ : MICROPHONE BOX
- ⊡ : TRUMPET SPEAKER
- ⊢ : DYNAMIC SPEAKER
- ⊣ : DISTRIBUTION BOX
- : CABLE IN TROUGH
- : HANDHOLE
- : PIPING

- 1ST FLOOR PLAN
- 1 SIGNAL/TELECOM EQUIPMENT ROOM
 - 2 SIGNAL POWER ROOM
 - 3 LAVATORY
- 2ND FLOOR PLAN
- 4 SIGNAL HANDLING ROOM
 - 5 STAFF ROOM
 - 6 DRESSING ROOM
 - 7 INSPECTORS' ROOM

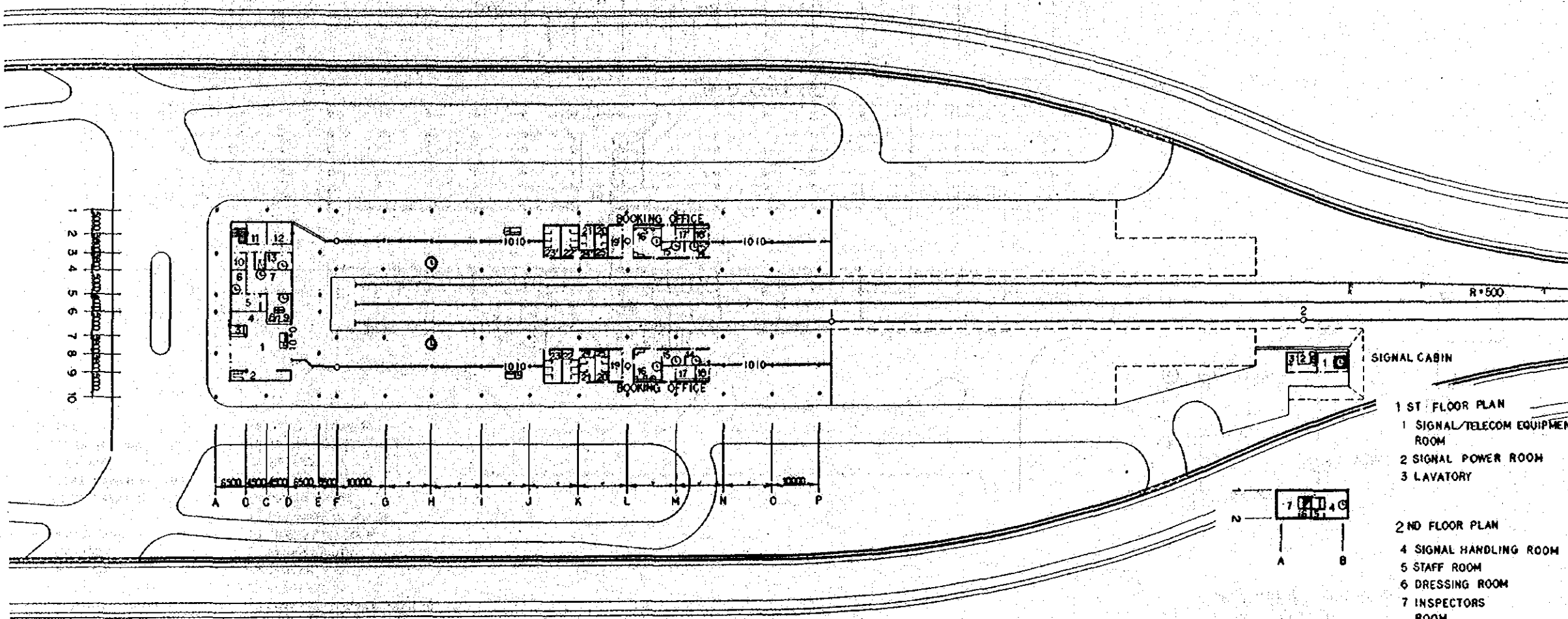
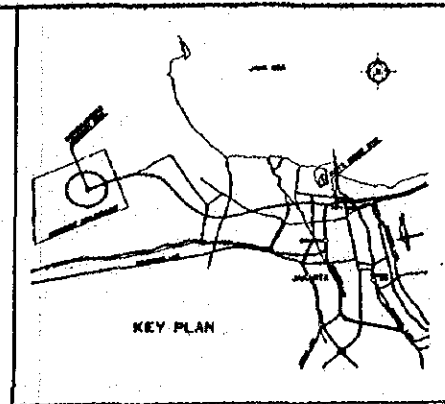
- 1ST FLOOR PLAN
- 1 CONCOURSE
 - 2 LOCKER SPACE
 - 3 INFORMATION
 - 4 PASSENGER WAITING CAFETERIA
 - 5 VIP WAITING ROOM
 - 6 STATION MASTER OFFICE
 - 7 STATION OFFICE -1
 - 8 TICKET SALES -1
 - 9 TICKET CHECK
 - 10 STAFF LAVATORY
 - 11 MECHANICAL ROOM
 - 12 POWER ROOM
 - 13 MAINTENANCE AND JANITORS' ROOM
 - 13 TELECOM ROOM
 - 14 TRAIN CONTROL OFFICE
 - 15 STATION OFFICE -2
 - 16 TICKETS SALES -2
 - 17 BUS TICKET SALES
 - 18 SECURITY
 - 19 PORTER
 - 20 LAVATORY -1
 - 21 LAVATORY -2
 - 22 LAVATORY -3
 - 23 LAVATORY -4
 - 24 STORAGE -1
 - 25 STORAGE -2



- 2ND FLOOR PLAN
- 26 MEETING ROOM
 - 27 POWER INSPECTION OFFICE
 - 28 SIGNAL TELECOM OFFICE
 - 29 STAFF ROOM
 - 30 DINING ROOM
 - 31 KITCHEN
 - 32 STAFF LAVATORY
- 3RD FLOOR PLAN
- 33 ABLUTION ROOM
 - 34 MUSHOLLA



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)						
B	1 Aug 68	Rev. 1	T.S.	M.K.	K.M.	M.K.
A	15 Aug 68	Rev. 2	T.S.	Kid.	K.M.	M.K.
KEYWORD	DATE	REVISED	BY	CHECKED	APPROVED	SUBMITTED
JIAC STATION PLAN FOR TELECOM (SHEET 1 of 2)						
PACKAGE: ELECTRICAL WORK						
SCALE: 1:500			DRAWING NO: ET-017			

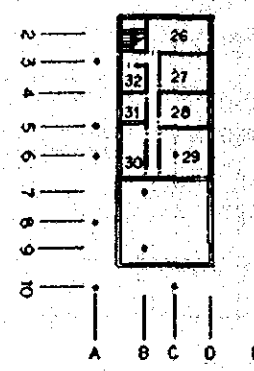


LEGEND :

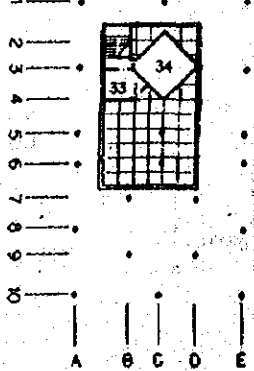
- : MASTER CLOCK
- : SLAVE CLOCK
- : 300mm SIGNAL FACE TYPE
SLAVE CLOCK
600mm DOUBLE FACE TYPE
- : DISTRIBUTION BOX
- : RELAY SLAVE CLOCK
- : INDICATION PANEL
- : OPERATION PANEL

- 1 ST FLOOR PLAN
- 1 SIGNAL/TELECOM EQUIPMENT ROOM
 - 2 SIGNAL POWER ROOM
 - 3 LAVATORY
- 2 ND FLOOR PLAN
- 4 SIGNAL HANDLING ROOM
 - 5 STAFF ROOM
 - 6 DRESSING ROOM
 - 7 INSPECTORS ROOM

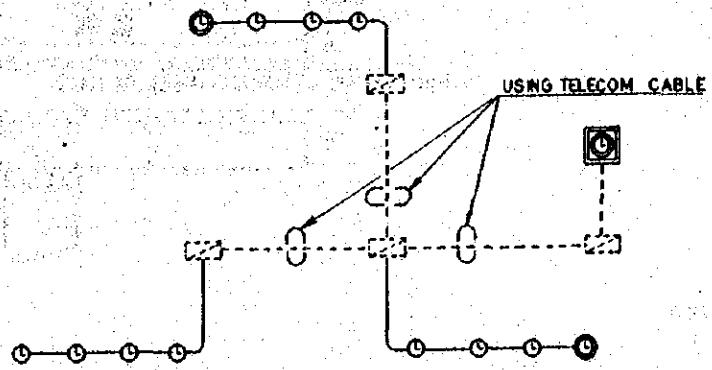
- 1 ST FLOOR PLAN
- 1 CONCOURSE
 - 2 LOCKER SPACE
 - 3 INFORMATION
 - 4 PASSENGER WAITING CAFETERIA
 - 5 VIP WAITING ROOM
 - 6 STATION MASTER OFFICE
 - 7 STATION OFFICE -1
 - 8 TICKET SALES -1
 - 9 TICKET CHECK
 - 10 STAFF LAVATORY
 - 11 MECHANICAL ROOM
 - 12 POWER ROOM
 - 13 MAINTENANCE AND JANITORS' ROOM
 - 14 TRAIN CONTROL OFFICE
 - 15 STATION OFFICE -2
 - 16 TICKETS SALES -2
 - 17 BUS TICKET SALES
 - 18 SECURITY
 - 19 PORTER
 - 20 LAVATORY -1
 - 21 LAVATORY -2
 - 22 LAVATORY -3
 - 23 LAVATORY -4
 - 24 STORAGE -1
 - 25 STORAGE -2



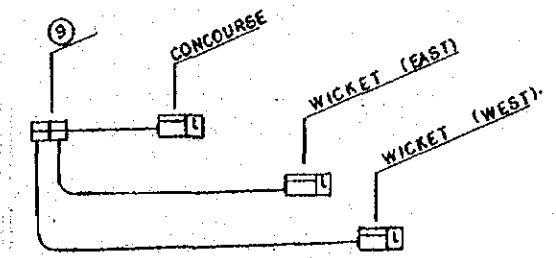
- 2 ND FLOOR PLAN
- 26 MEETING ROOM
 - 27 POWER INSPECTION OFFICE
 - 28 SIGNAL TELECOM OFFICE
 - 29 STAFF ROOM
 - 30 DINING ROOM
 - 31 KITCHEN
 - 32 STAFF LAVATORY



- 3 RD FLOOR PLAN
- 33 ABLUTION ROOM
 - 34 MUSHOLLA



ELECTRIC CLOCK EQUIPMENT WIRING DIAGRAM



TRAIN BOARDING INFORMATION EQUIPMENT WIRING DIAGRAM

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

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

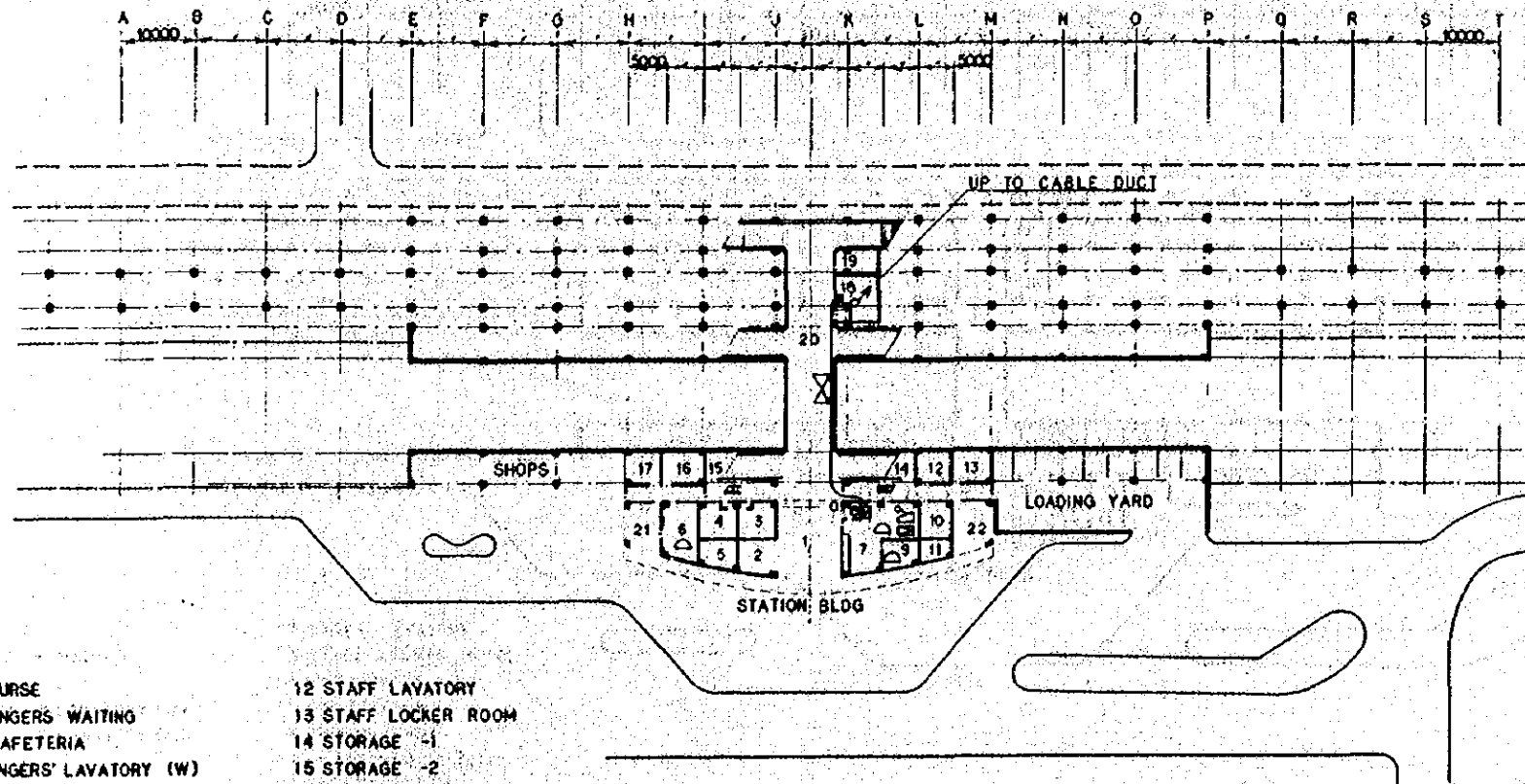
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	REASON	BY	CHECKED	EXTEND	SUBMITTED
B	1 Aug '84	Revised	T.S.	K.K.	K.M.	M.K.
A	15 Aug '84	Issued	T.S.	K.K.	K.M.	M.K.

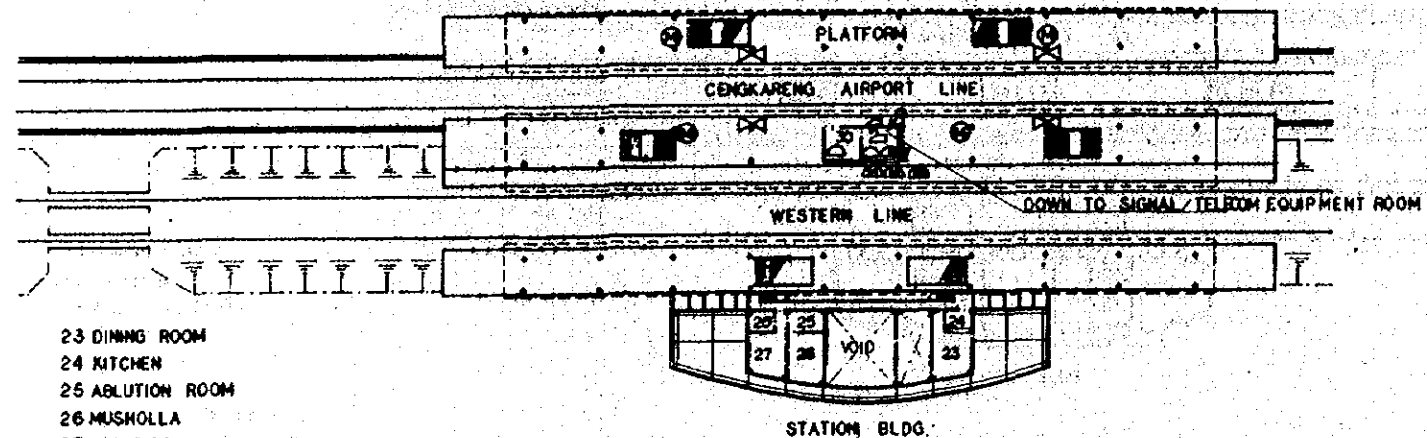
JIAC STATION PLAN FOR TELECOM (SHEET 2 of 2)

PACKAGE: III ELECTRICAL WORK

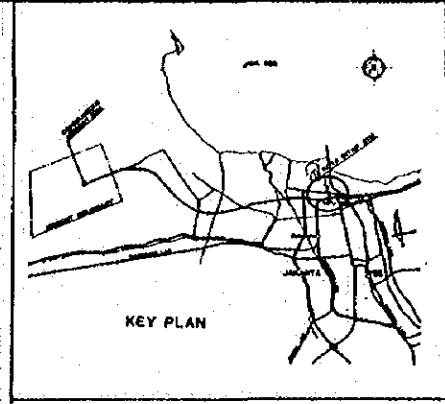
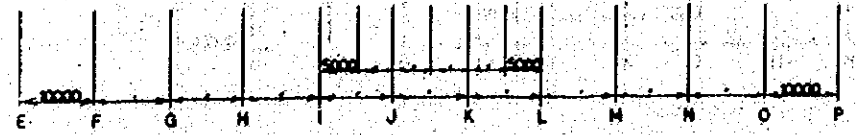
SCALE: 1:500 DRAWING NO: ET-018



- 1 CONCOURSE
- 2 PASSENGERS WAITING AND CAFETERIA
- 3 PASSENGERS' LAVATORY (W)
- 4 PASSENGERS' LAVATORY (M)
- 5 PORTER
- 6 MAINTENANCE AND JANITORS' ROOM
- 7 STATION OFFICE
- 8 TICKET CHECK
- 9 STATION MASTER ROOM
- 10 MEETING ROOM
- 11 SECURITY
- 12 STAFF LAVATORY
- 13 STAFF LOCKER ROOM
- 14 STORAGE -1
- 15 STORAGE -2
- 16 POWER ROOM
- 17 MECHANICAL ROOM
- 18 SIGNAL/TELECOM EQUIPMENT ROOM
- 19 STORAGE -3
- 20 CORRIDOR -1
- 21 COVERED SERVICE AREA -1
- 22 COVERED SERVICE AREA -2

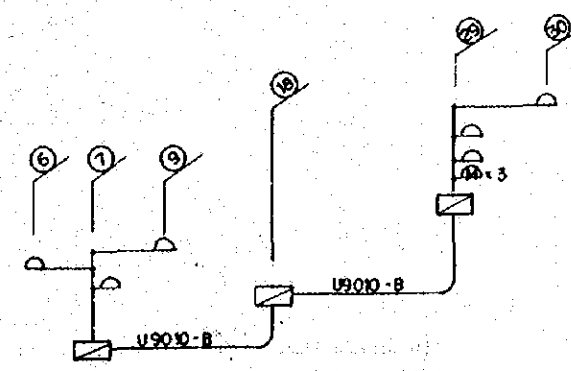


- 23 DINING ROOM
- 24 KITCHEN
- 25 ABLUTION ROOM
- 26 MUSHOLLA
- 27 STAFF ROOM
- 28 LAVATORY
- 29 TRAIN CONTROL OFFICE
- 30 SIGNAL HANDLING ROOM

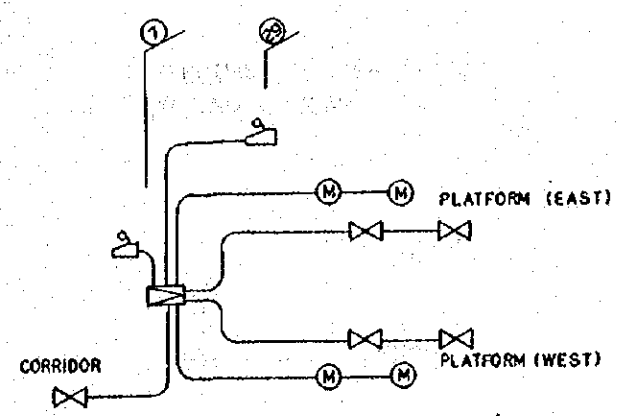


LEGEND :

- ⊗ : AUTOMATIC TELEPHONE
- ⊙ : DISPATCH TELEPHONE
- ⊕ : MAGNETO TELEPHONE
- ⊠ : MASTER PUBLIC ADDRESS EQUIPMENT
- ⊡ : OPERATING PANEL
- ⊚ : MICROPHONE BOX
- ⊗ : TRUMPET SPEAKER
- ⊠ : DISTRIBUTION BOX
- : PIPING



TELEPHONE EQUIPMENT WIRING DIAGRAM



PUBLIC ADDRESS EQUIPMENT WIRING DIAGRAM

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

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

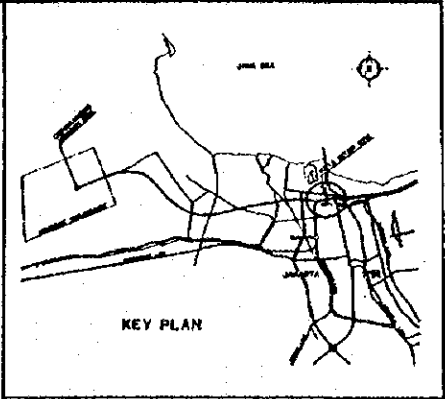
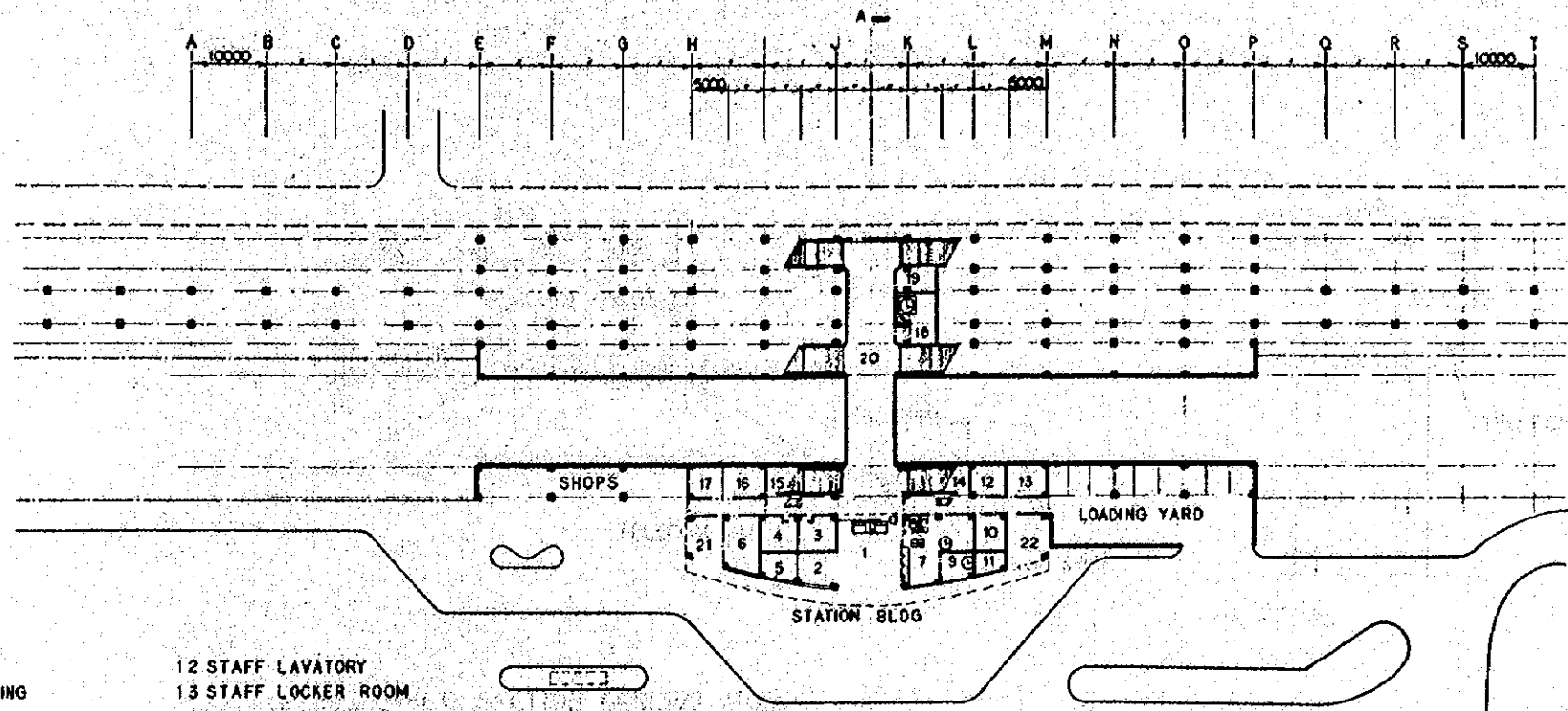
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

B	1 Aug 88	K. H. S.	T. S.	R. K.	K. M.	M. K.
A	15 Feb 88	K. H. S.	T. S.	R. K.	K. M.	M. K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED

KOTA-INTAN STATION PLAN FOR TELECOM (SHEET 1 of 2)

PACKAGE : II ELECTRICAL WORK

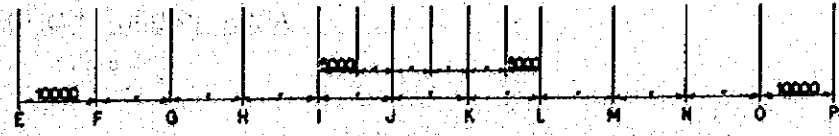
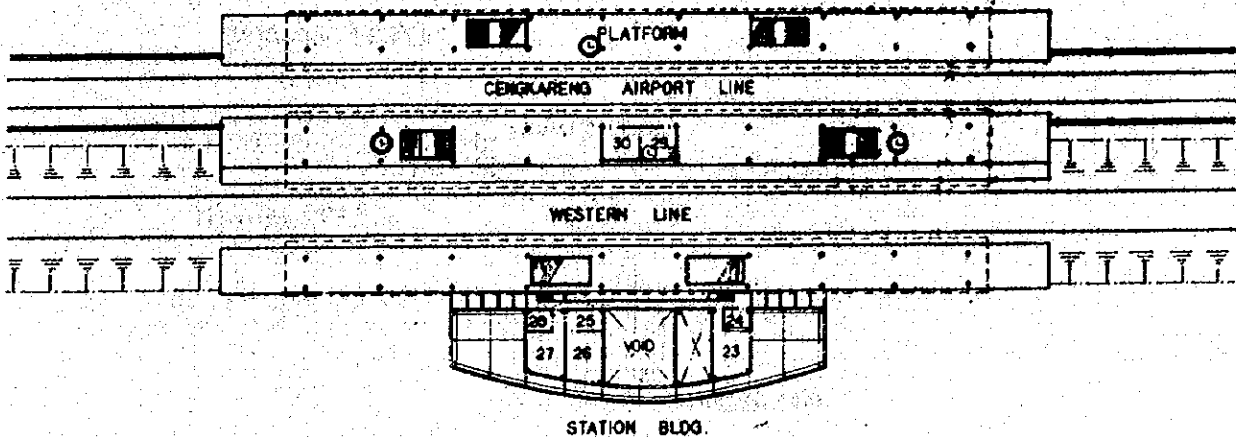
SCALE : 1:500 DRAWING NO. : ET-019



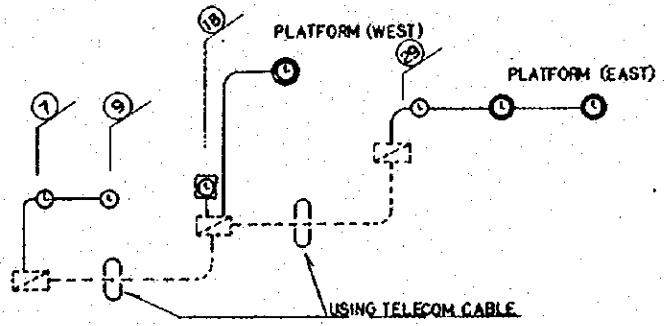
- 1 CONCOURSE
- 2 PASSENGERS' WAITING AND CAFETERIA
- 3 PASSENGERS' LAVATORY (W)
- 4 PASSENGERS' LAVATORY (M)
- 5 PORTER
- 6 MAINTENANCE AND JANITORS' ROOM
- 7 STATION OFFICE
- 8 TICKET CHECK
- 9 STATION MASTER ROOM
- 10 MEETING ROOM
- 11 SECURITY

- 12 STAFF LAVATORY
- 13 STAFF LOCKER ROOM
- 14 STORAGE -1
- 15 STORAGE -2
- 16 POWER ROOM
- 17 MECHANICAL ROOM
- 18 SIGNAL TELECOM EQUIPMENT ROOM
- 19 STORAGE -3
- 20 CORRIDOR -1
- 21 COVERED SERVICE AREA -1
- 22 COVERED SERVICE AREA -2

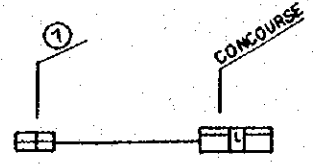
- 23 DINING ROOM
- 24 KITCHEN
- 25 ABLUTION ROOM
- 26 MUSHOLLA
- 27 STAFF ROOM
- 28 LAVATORY
- 29 TRAIN CONTROL OFFICE
- 30 SIGNAL TELECOM OFFICE



- LEGEND :
- | SYMBOL | DESCRIPTION |
|--------|------------------------------------|
| ⊙ | SLAVE CLOCK |
| ⊗ | 300mm SINGLE FACE TYPE SLAVE CLOCK |
| ⊕ | 600mm DOUBLE FACE TYPE SLAVE CLOCK |
| □ | DISTRIBUTION BOX |
| ⊙ | RELAY SLAVE CLOCK |
| □ | INDICATION PANEL |
| □ | OPERATION PANEL |

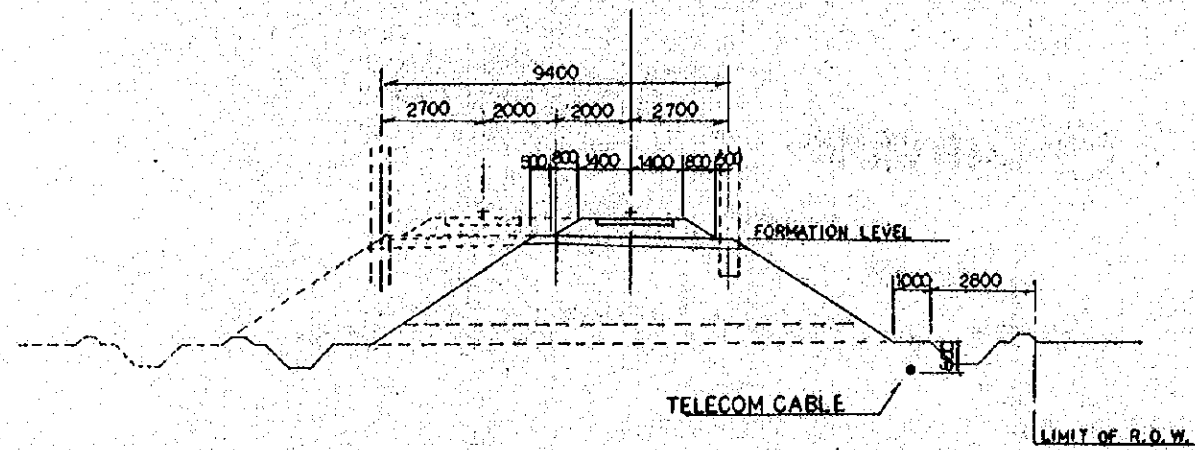


ELECTRIC CLOCK EQUIPMENT WIRING DIAGRAM



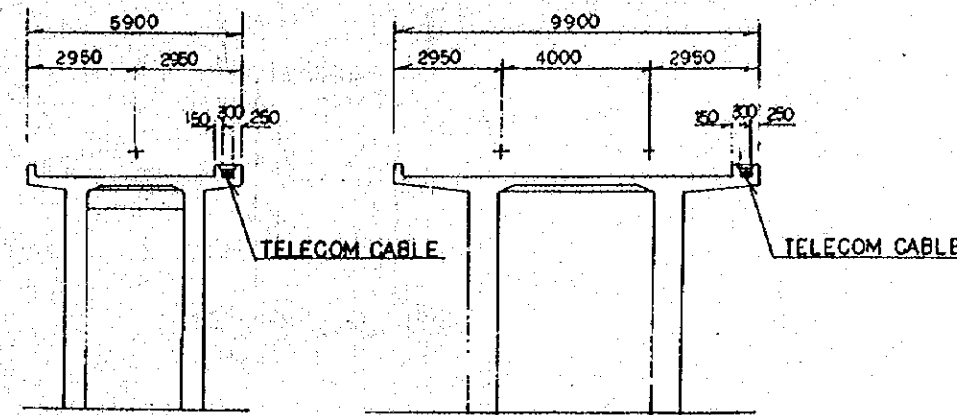
TRAIN BOARDING INFORMATION EQUIPMENT WIRING DIAGRAM

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGLARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1.2.78	1.2.78	7.5	K.M	K.M	K.M
A	1.2.78	1.2.78	7.5	K.M	K.M	K.M
REVISIONS	DATE	REASON	BY	CHECKED	REVIEWED	SUBMITTED
KOTA-INTAN STATION PLAN FOR TELECOM (SHEET 2 of 2)						
PROGRAM: ELECTRICAL WORK						
SCALE: 1:500		DRAWING NO: ET-020				



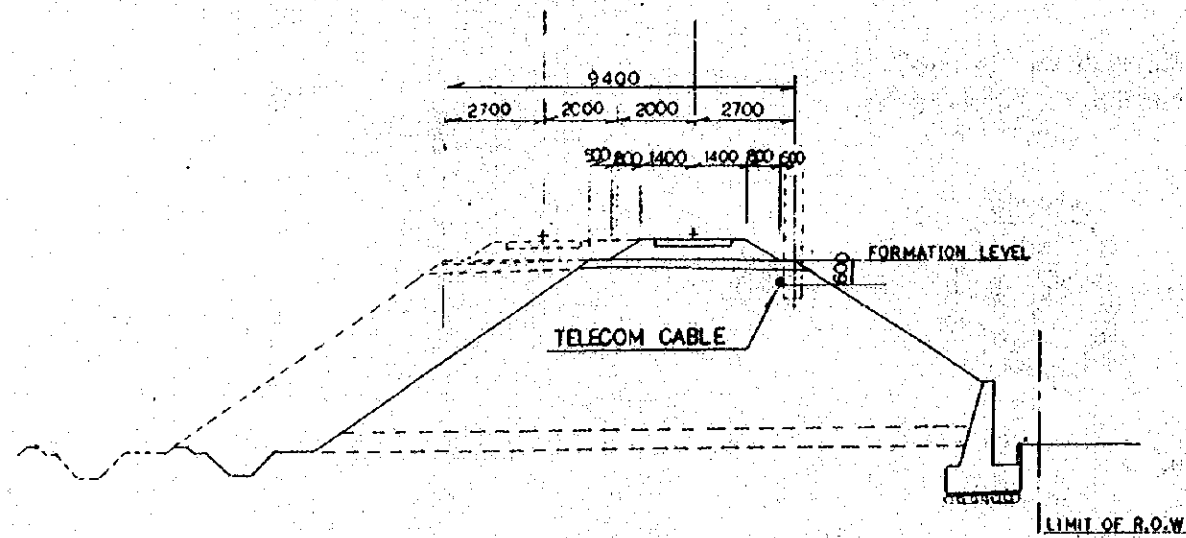
EMBANKED SECTION GENERAL AREA

SCALE 1 : 100



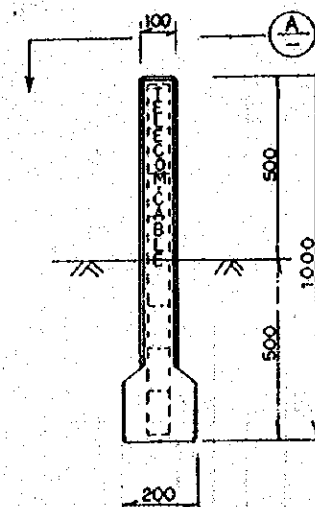
ELEVATED SECTION

SCALE 1 : 100



EMBANKED SECTION URBAN AREA

SCALE 1 : 100



CABLE LOCATION POST

INDICATION METHOD OF HEAD

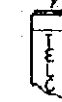


BURIAL DIRECTION



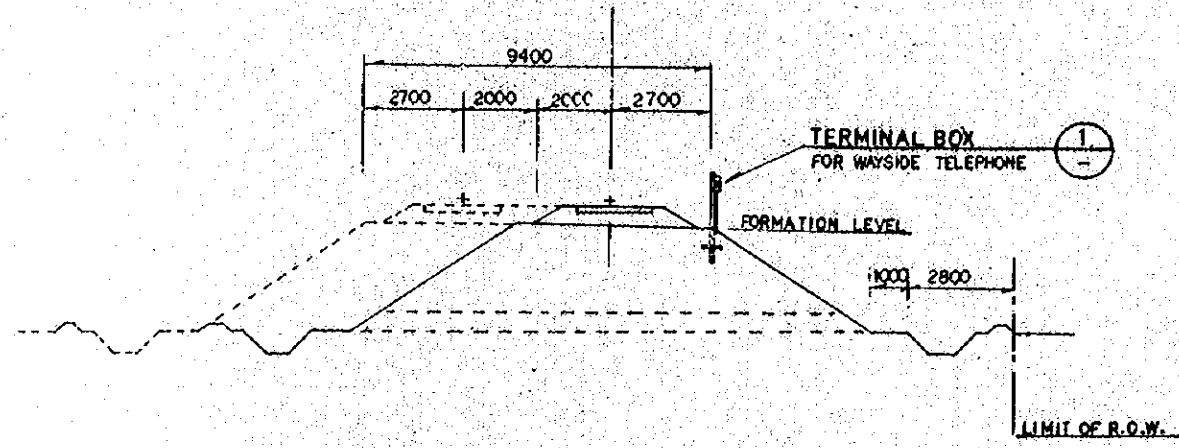
CABLE JOINT

YELLOW COLOR MARK

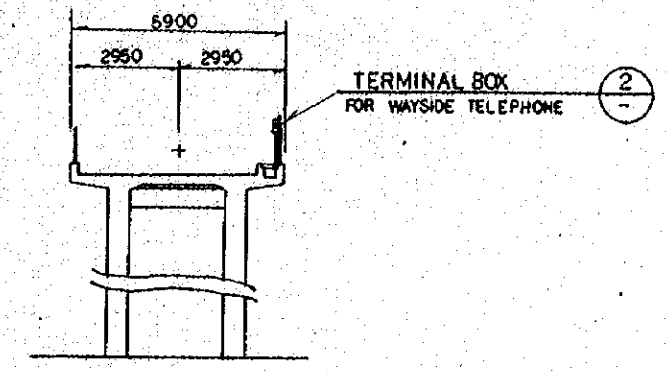


SECTION A-A

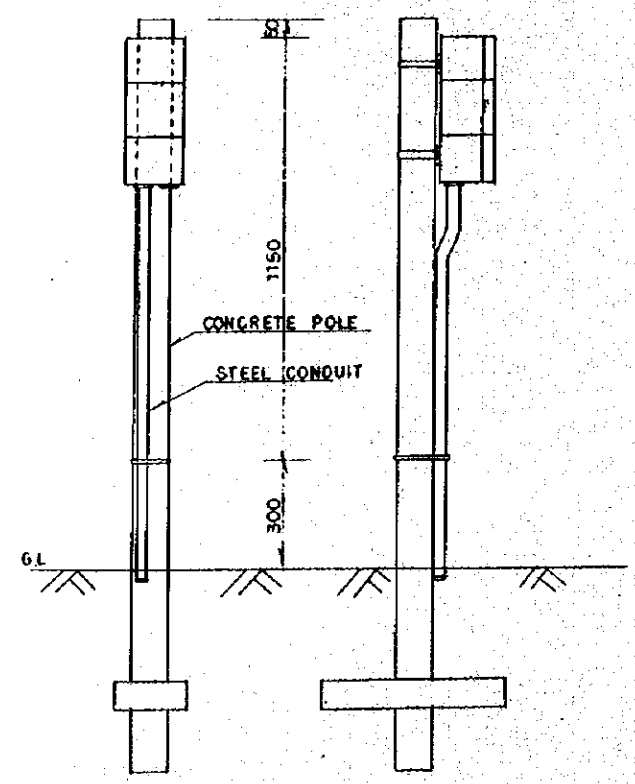
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 Aug '99	Revised	T.S	250	K.M	M.K
A	15 Feb '99	Initial	T.S	250	K.M	M.K
REVISIONS	DATE	REASON	BY	CHECKED	APPROVED	DRAWN
STANDARD INSTALLATION OF TELECOM CABLE						
PACKAGE: ELECTRICAL WORK						
SCALE: AS NOTED						
DRAWING NO: ET-021						



EMBANKED SECTION
SCALE 1:10

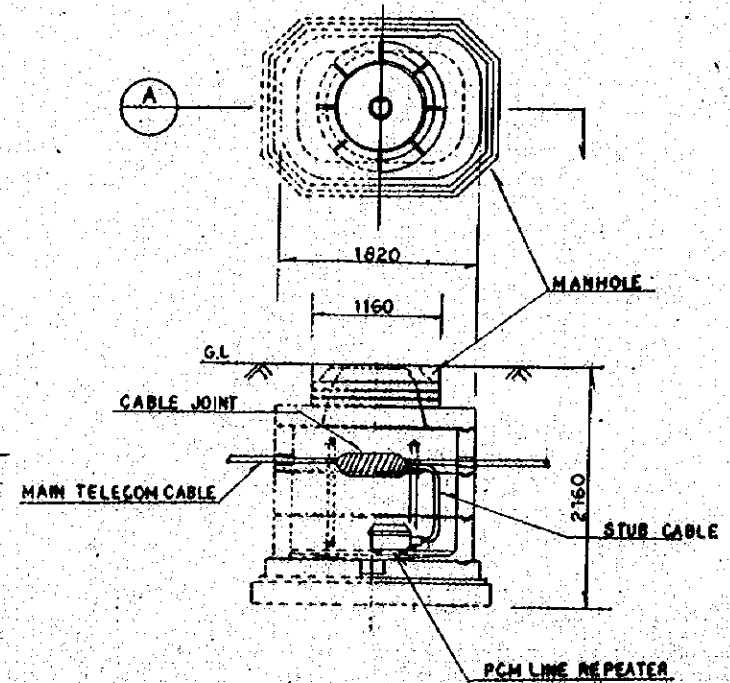


ELEVATED SECTION
SCALE 1:10

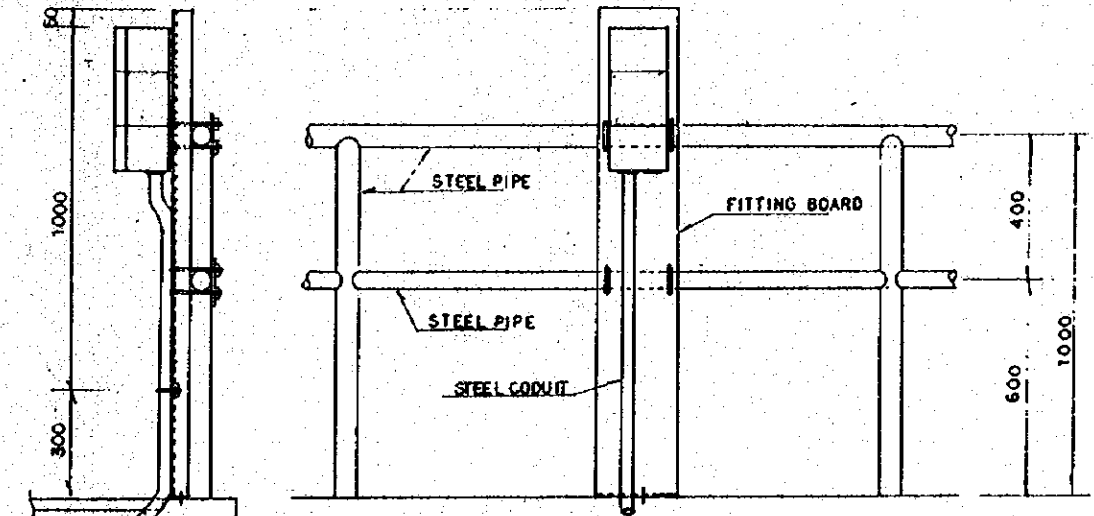


DETAIL 1
SCALE 1:10

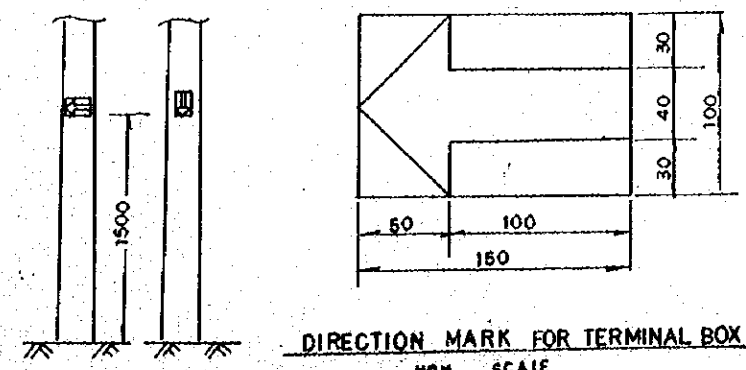
**LAYOUT OF LINE REPEATER
INSTALLATION IN UNDERGROUND AREA**
NON SCALE



SECTION A



DETAIL 2 SCALE 1:10



DIRECTION MARK FOR TERMINAL BOX
NON SCALE

REPUBLIC OF INDONESIA					
MINISTRY OF COMMUNICATIONS					
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1	2	3	4	5
A	1	2	3	4	5
REVISION	DATE	DESIGNED	CHECKED	REVISED	SUBMITTED
STANDARD ASSEMBLIES OF TERMINAL BOX					
PACKAGE: III ELECTRICAL WORK					
SCALE: DRAWING NO.					
AS. NOTE: ET-022					

