

HONDURAS
NEW TEGUCIGALPA AIRPORT DEVELOPMENT
FEASIBILITY STUDY REPORT
FACILITY PLAN DRAWINGS

JICA

REPUBLIC OF HONDURAS

NEW TEGUCIGALPA AIRPORT DEVELOPMENT

FEASIBILITY STUDY REPORT

FACILITY PLAN DRAWINGS

AUGUST 1979

JAPAN INTERNATIONAL COOPERATION AGENCY

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REPUBLIC OF HONDURAS

NEW TEGUCIGALPA AIRPORT DEVELOPMENT

FEASIBILITY STUDY
(FINAL)

FACILITY PLAN DRAWINGS

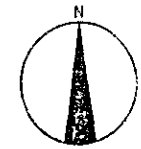
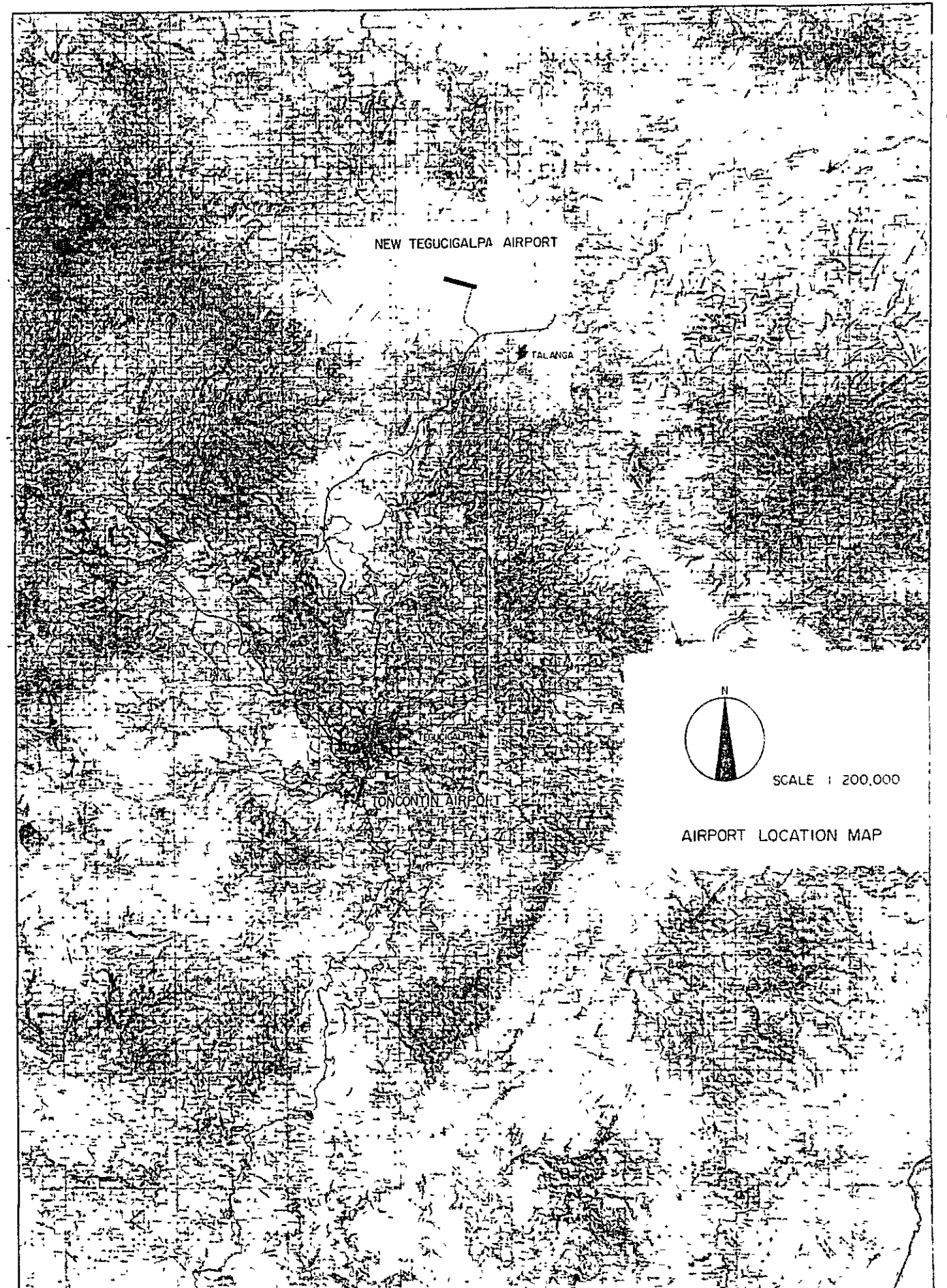
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LISTS OF FACILITY PLAN DRAWINGS

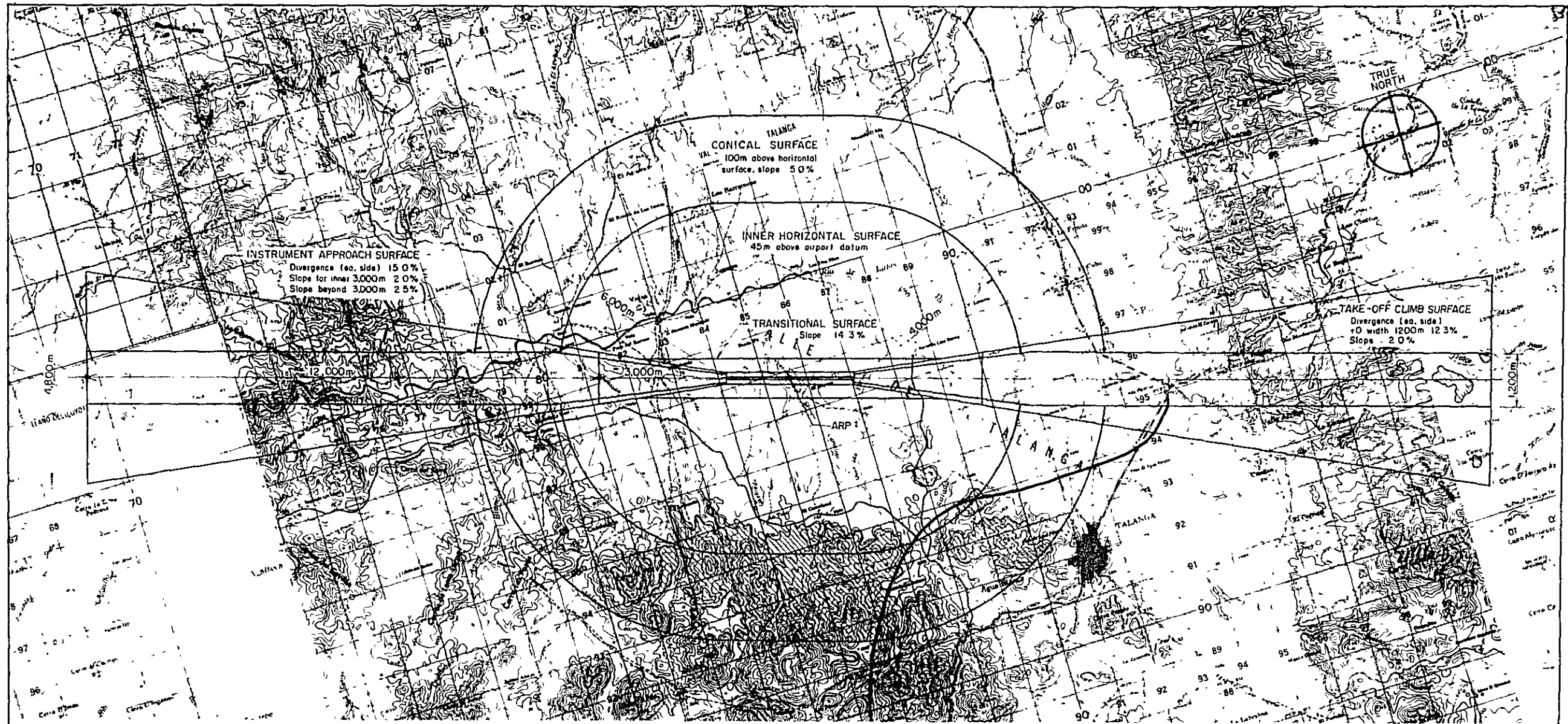
DRAWING NUMBER

- | | | | |
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| 1 | OBSTACLE LIMITATION SURFACES | 18 | TERMINAL AREA LAYOUT PLAN STAGE II |
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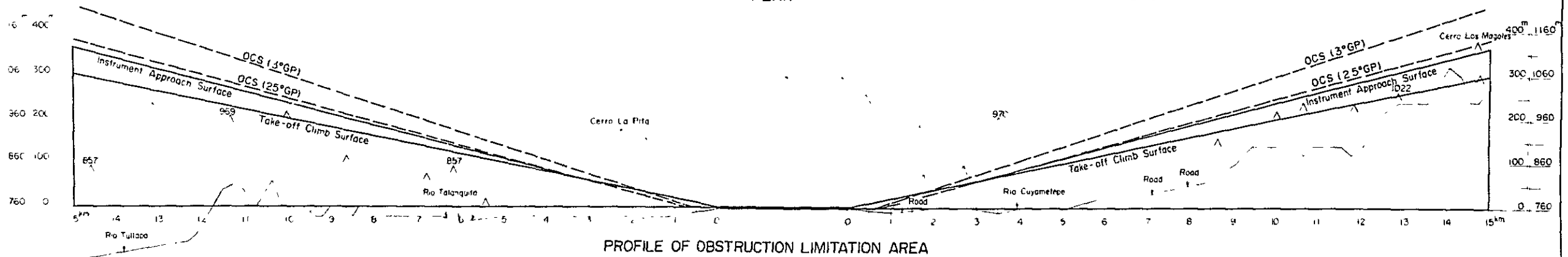
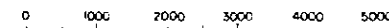
SCALE : 200,000

AIRPORT LOCATION MAP



PLAN

SCALE 1:50,000



PROFILE OF OBSTRUCTION LIMITATION AREA

NOTES

RUNWAY DATA

- 1) INSTRUMENT RUNWAY
- 2) ICAO OBSTRUCTION RESTRICTION
- 3) LENGTH 2,700m
- 4) ORIENTATION N 73° W

AERODROME REFERENCE POINT (ARP)

ELEVATION 754m
 COORDINATES N 014° 2'
 W 087° 07'

TOPOGRAPHICALLY OBSTRUCTED AREA

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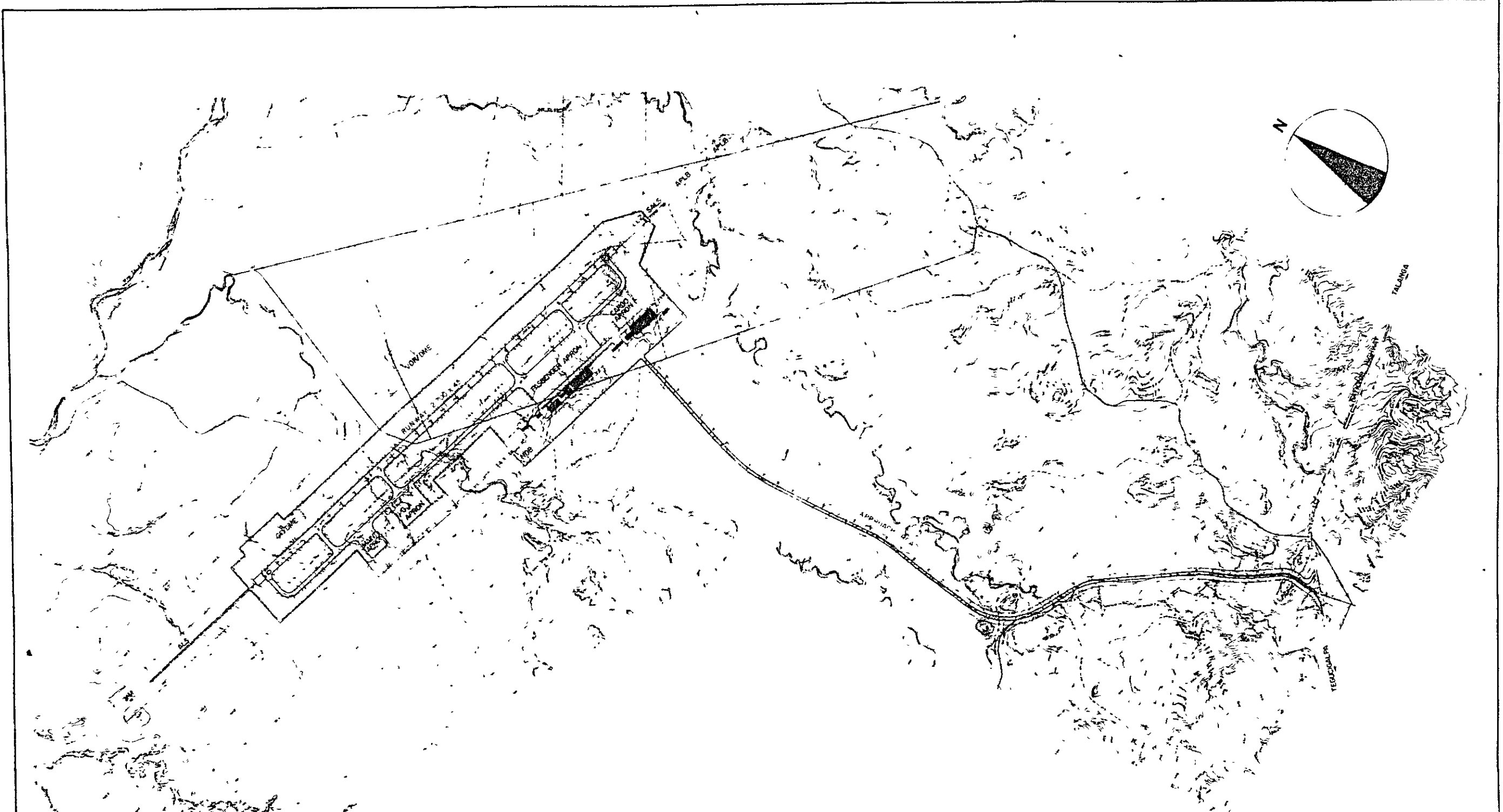
NEW TEGUCIGALPA AIRPORT DEVELOPMENT

OBSTACLE LIMITATION SURFACES

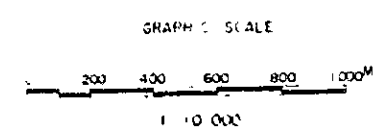
FEASIBILITY STUDY

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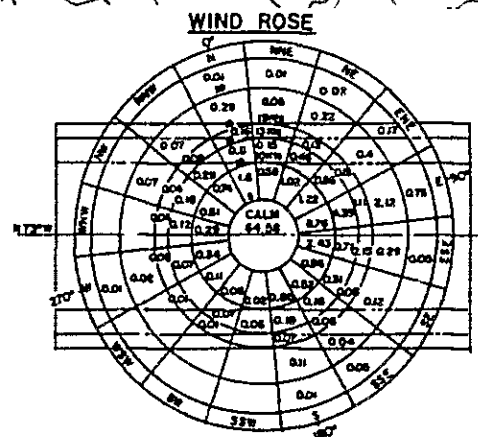
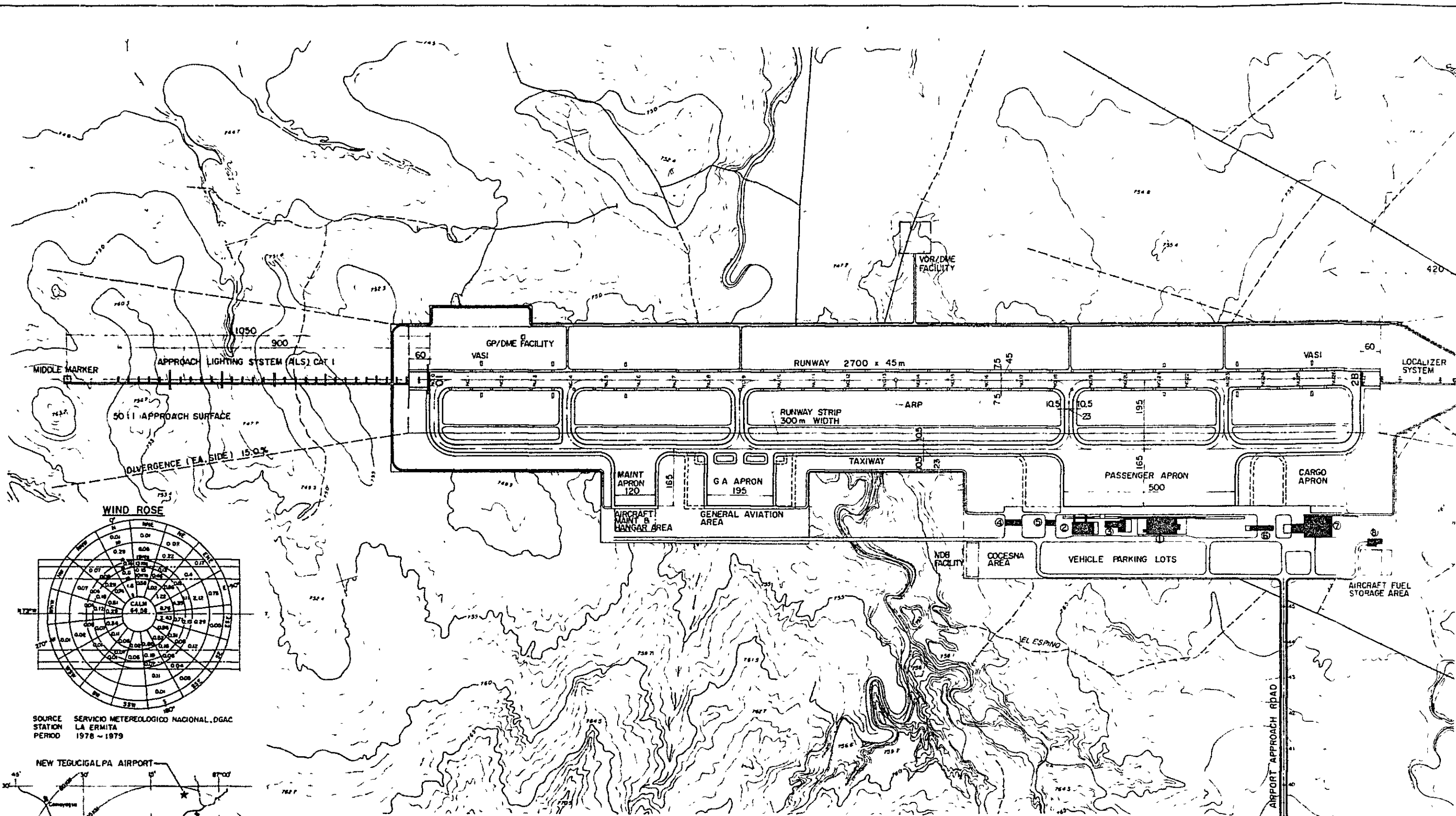
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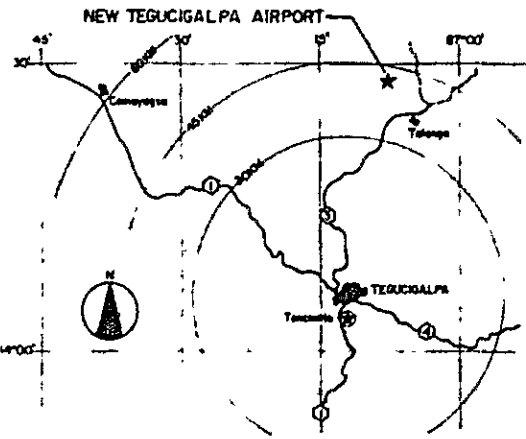
NOTE
 GRADING AREA LINE
 AIRPORT BOUNDARY IS APPROACH ROAD
 RIGHT OF WAY



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NEW TEGUCIGALPA AIRPORT DEVELOPMENT	
AIRPORT LAYOUT - I (AIRPORT AND APPROACH ROAD) FEASIBILITY STUDY	AUG 1979 2
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SOURCE SERVICIO METEOROLOGICO NACIONAL, DGAC
 STATION LA ERMITA
 PERIOD 1978 ~ 1979



LOCATION MAP

AIRPORT DATA

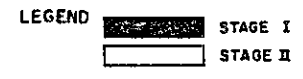
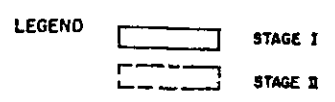
AIRPORT ELEVATION 750m
 AIRPORT REFERENCE POINT (ARP) NO14°27'
 COORDINATES W087°07'
 AIRPORT & TERMINAL NAV AIDS VOR.
 MEAN MAX. TEMP OF HOTTEST MONTH 31°C

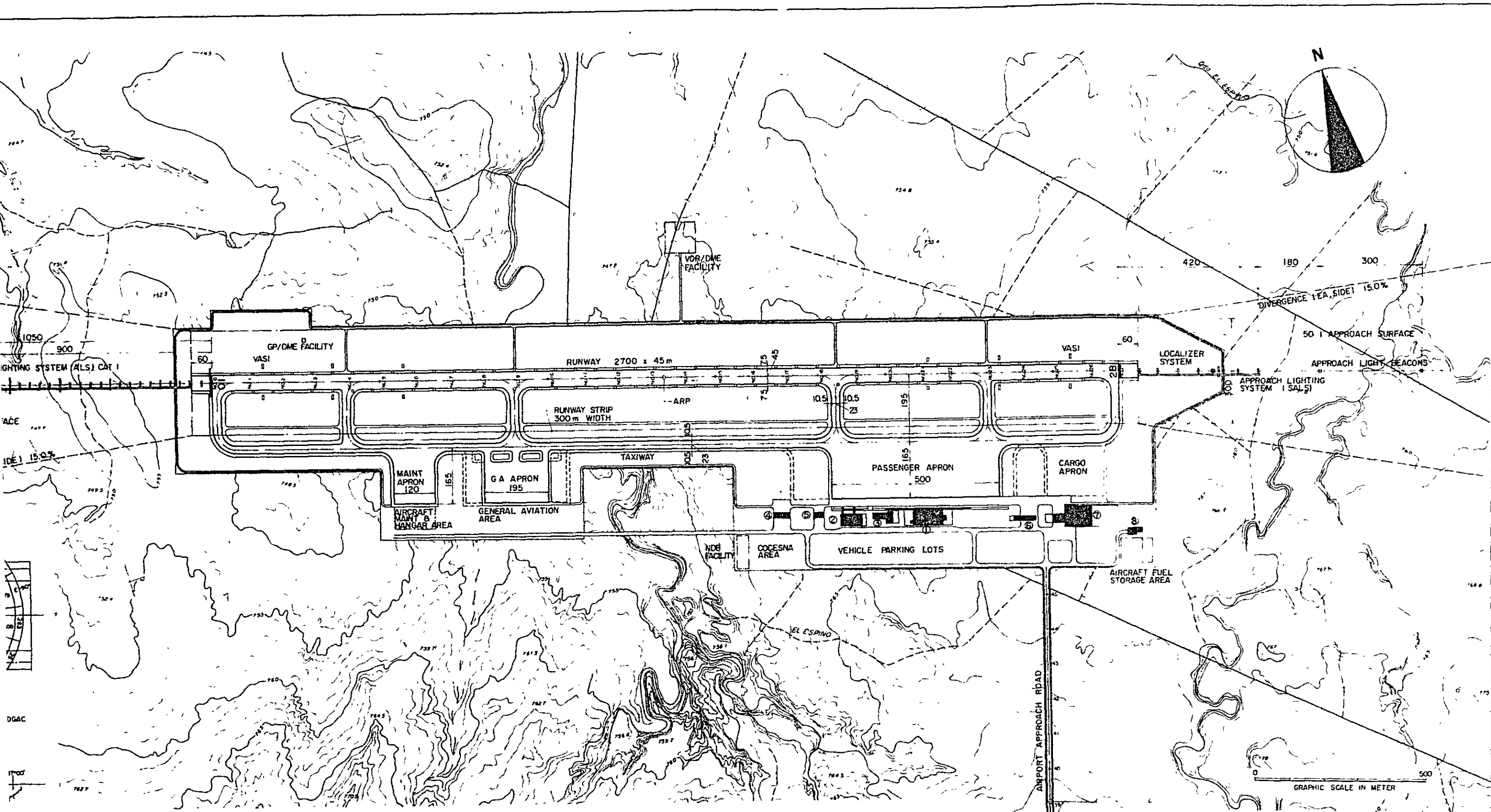
RUNWAY DATA

EFFECTIVE RUNWAY GRADIENT (IN %) 0.17
 % WIND COVERAGE 99.3
 15 KNOTS 98.8
 13 KNOTS 96.7
 10 KNOTS
 PRECISION APPROACH RUNWAY CAT I
 PAVEMENT STRENGTH RUNWAY-10
 APPROACH SLOPES 8747, L-1011, DC-B CLASS
 LIGHTING 50:1
 MARKING HIRL
 NAVIGATIONAL AIDS ICAO STANDARDS
 ILS, ALS, VASI

BUILDINGS

- ① INTERNATIONAL PASSENGER TERMINAL BUILDING
- ② DOMESTIC PASSENGER TERMINAL BUILDING
- ③ AIRPORT ADMINISTRATION / OPERATION BUILDING
- ④ FIRE STATION / MAINT. VEHICLES GARAGE
- ⑤ DOMESTIC CARGO BUILDING
- ⑥ EXPORT CARGO BUILDING
- ⑦ IMPORT CARGO BUILDING
- ⑧ MAIN POWER SUB-STATION





AIRPORT DATA

AIRPORT ELEVATION 750m
 AIRPORT REFERENCE POINT (ARP) COORDINATES N014°27' W087°07'
 AIRPORT & TERMINAL NAV AIDS VOR
 MEAN MAX. TEMP OF HOTTEST MONTH 31°C

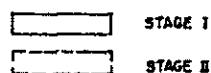
RUNWAY DATA

EFFECTIVE RUNWAY GRADIENT (IN %) 0.17
 % WIND COVERAGE 15 KNOTS 99.3
 13 KNOTS 98.8
 10 KNOTS 96.7
 PRECISION APPROACH RUNWAY CAT I RUNWAY-10
 PAVEMENT STRENGTH B747, L-1011, DC-8 CLASS
 APPROACH SLOPES 50:1
 LIGHTING HIRL
 MARKING ICAO STANDARDS
 NAVIGATIONAL AIDS ILS, ALS, VASI

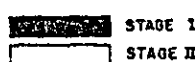
BUILDINGS

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- ⑥ EXPORT CARGO BUILDING
- ⑦ IMPORT CARGO BUILDING
- ⑧ MAIN POWER SUB-STATION

LEGEND



LEGEND



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 OBRAS PUBLICAS Y TRANSPORTE

NEW TEGUCIGALPA AIRPORT DEVELOPMENT

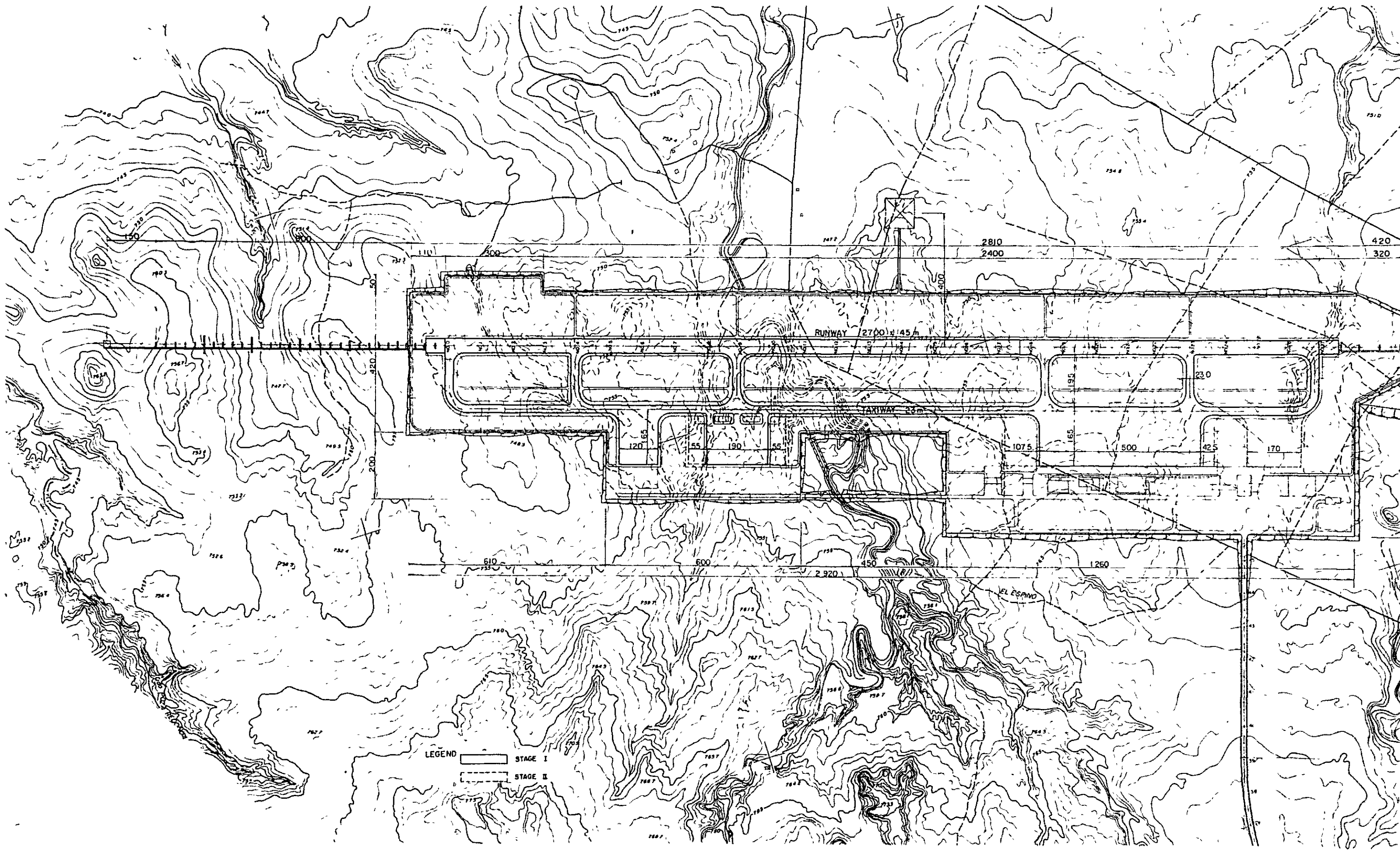
AIRPORT LAYOUT - 2

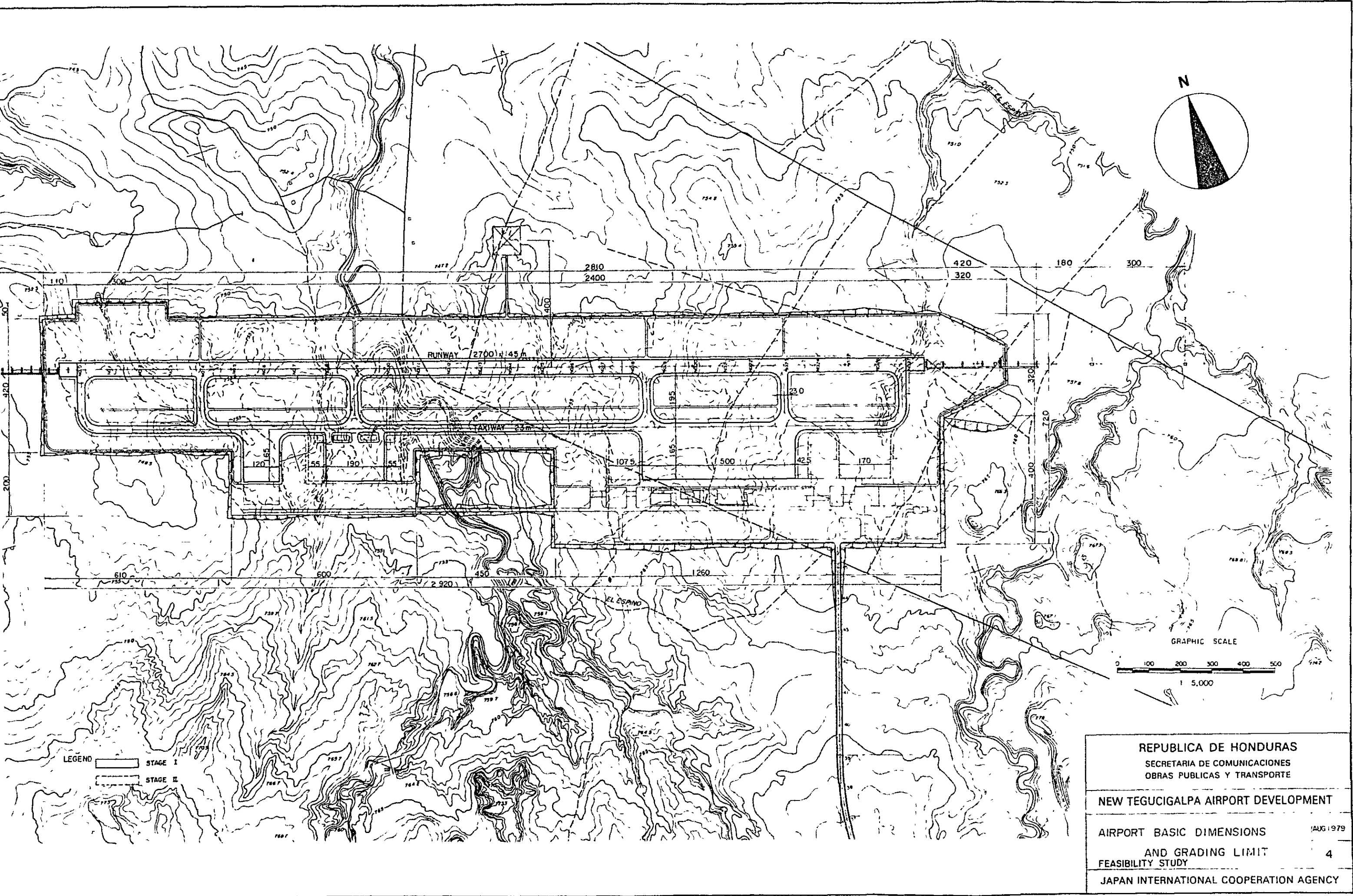
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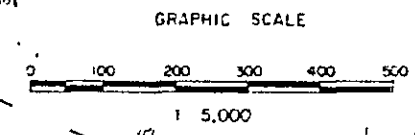
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LEGEND
 ——— STAGE I
 - - - STAGE II



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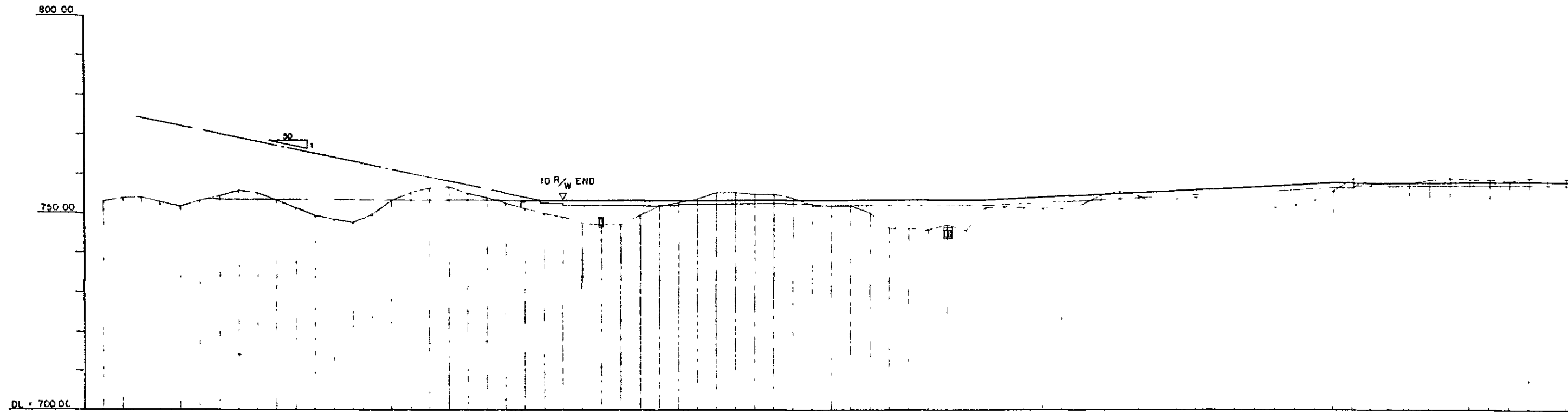
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AIRPORT BASIC DIMENSIONS AND GRADING LIMIT
 FEASIBILITY STUDY

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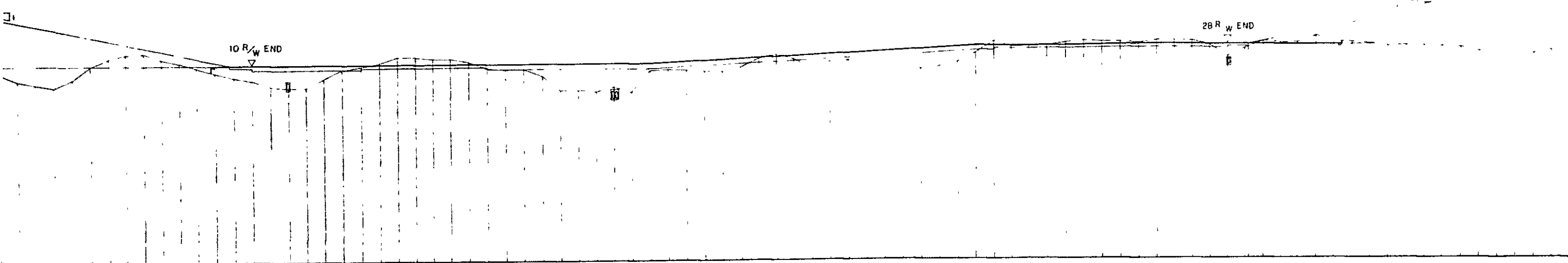
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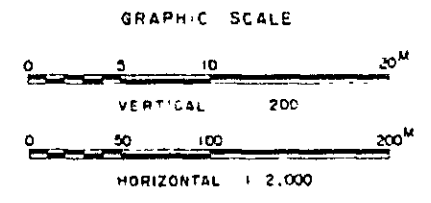
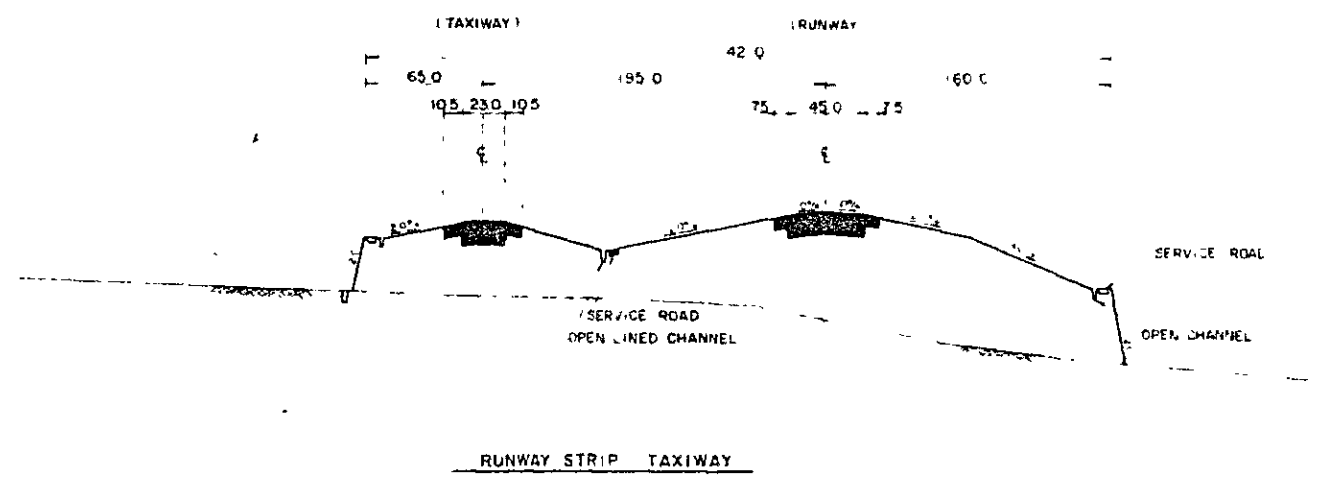
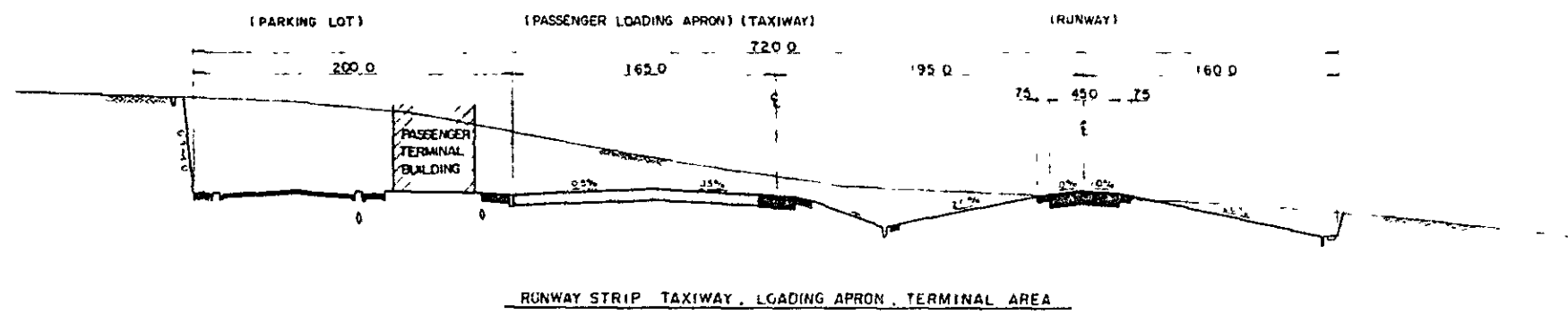
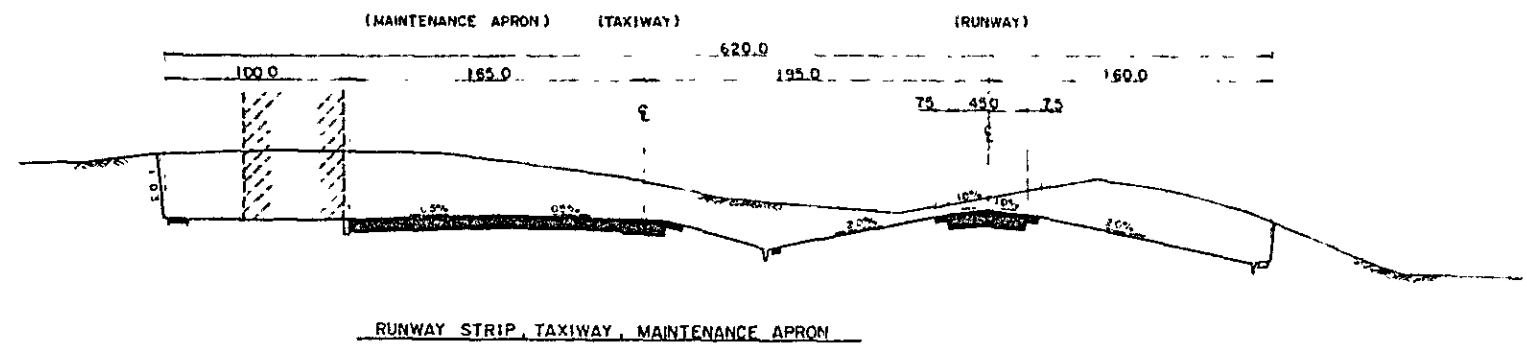
DL = 700.00

STATION	DISTANCE	ACCUMULATED DISTANCE	GROUND HEIGHT	FORMATION HEIGHT	CUT, FILL	GRADIENT
NO -12	50 000	120000	753 00			
NO -11	50 000	170 000	753 80			
NO -10	50 000	220 000	753 90			
NO -9	50 000	270 000	752 80			
NO -8	50 000	320 000	751 70			
NO -7	50 000	370 000	753 00			
NO -6	50 000	420 000	754 30			
NO -5	50 000	470 000	753 70			
NO -4	50 000	520 000	755 10			
NO -3	50 000	570 000	753 90			
NO -2	50 000	620 000	752 60			
NO -1	50 000	670 000	751 10			
NO 0	50 000	720 000	749 80	753 00	-4 00	
NO 1	50 000	770 000	747 30	753 00	-5 70	
NO 2	50 000	820 000	747 10	753 00	-5 90	
NO 3	50 000	870 000	746 90	753 00	-6 10	
NO 4	50 000	920 000	749 30	753 00	-3 70	
NO 5	50 000	970 000	751 80	753 00	-1 20	
NO 6	50 000	1020 000	752 70	753 00	-0 30	
NO 7	50 000	1070 000	753 50	753 00	+0 50	
NO 8	50 000	1120 000	755 10	753 00	+2 10	
NO 9	50 000	1170 000	755 00	753 00	+2 00	
NO 10	50 000	1220 000	754 60	753 00	+1 60	
NO 11	50 000	1270 000	754 30	753 00	+1 30	
NO 12	50 000	1320 000	753 90	753 00	+0 90	
NO 13	50 000	1370 000	753 00	753 00	-0 00	
NO 14	50 000	1420 000	752 00	753 00	-1 00	
NO 15	50 000	1470 000	751 70	753 00	-1 30	
NO 16	50 000	1520 000	751 80	753 00	-1 20	
NO 17	50 000	1570 000	749 80	753 00	-3 20	
NO 18	50 000	1620 000	746 00	753 00	-7 00	
NO 19	50 000	1670 000	746 00	753 00	-7 00	
NO 20	50 000	1720 000	745 50	753 00	-7 50	
NO 21	50 000	1770 000	746 80	753 00	-6 20	
NO 22	50 000	1820 000	745 60	753 00	-7 40	
NO 23	50 000	1870 000	751 10	753 00	-1 90	
NO 24	50 000	1920 000	751 40	753 25	-1 85	
NO 25	50 000	1970 000	751 20	753 50	-2 30	
NO 26	50 000	2020 000	751 0	753 75	-2 65	
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NO 28	50 000	2120 000	751 30	754 25	-2 95	
NO 29	50 000	2170 000	754 30	754 50	-0 20	
NO 30	50 000	2220 000	755 30	754 75	+0 55	
NO 31	50 000	2270 000	754 30	755 00	-0 70	
NO 32	50 000	2320 000	751 50	755 25	-3 75	
NO 33	50 000	2370 000	753 50	755 50	-2 00	
NO 34	50 000	2420 000	754 10	755 75	-1 65	
NO 35	50 000	2470 000	753 30	756 00	-2 70	
NO 36	50 000	2520 000	758 00	757 50	-0 50	
NO 37	50 000	2570 000	758 60	757 50	+1 10	
NO 38	50 000	2620 000	759 00	757 50	+1 50	
NO 39	50 000	2670 000	757 90	757 50	+0 40	
NO 40	50 000	2720 000	757 50	757 50	0 00	
NO 41	50 000	2770 000	758 30	757 50	+0 80	
NO 42	50 000	2820 000	758 20	757 50	+0 70	
NO 43	50 000	2870 000	758 10	757 50	+0 60	



Station	Level (m)	Grade (%)
NO -7	753.00	-4.00
NO -6	753.00	-5.70
NO -5	753.00	-5.90
NO -4	753.00	-6.10
NO -3	753.00	-3.70
NO -2	753.00	-1.20
NO -1	753.00	-0.30
NO 0	753.00	+0.50
NO 1	753.00	+2.10
NO 2	753.00	+2.00
NO 3	753.00	+1.60
NO 4	753.00	+1.50
NO 5	753.00	+0.80
NO 6	753.00	-1.00
NO 7	753.00	-1.30
NO 8	753.00	-1.20
NO 9	753.00	-3.20
NO 10	753.00	-7.00
NO 11	753.00	-7.00
NO 12	753.00	-7.50
NO 13	753.00	-6.20
NO 14	753.00	-7.40
NO 15	753.00	-1.90
NO 16	753.00	-1.85
NO 17	753.00	-2.30
NO 18	753.00	-2.65
NO 19	753.00	3.20
NO 20	753.00	-2.35
NO 21	753.00	0.20
NO 22	753.00	+0.55
NO 23	753.00	0.70
NO 24	753.00	-3.75
NO 25	753.00	-1.05
NO 26	753.00	-1.85
NO 27	753.00	-2.70
NO 28	753.00	-1.30
NO 29	753.00	-1.70
NO 30	753.00	4.45
NO 31	753.00	5.05
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NO 34	753.00	4.05
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NO 36	753.00	4.05

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 OBRAS PUBLICAS Y TRANSPORTE
NEW TEGUCIGALPA AIRPORT DEVELOPMENT
 RUNWAY PROFILE
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 OBRAS PUBLICAS Y TRANSPORTE

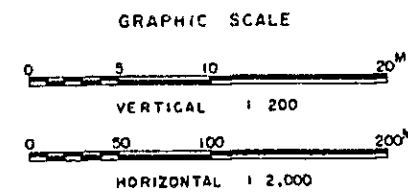
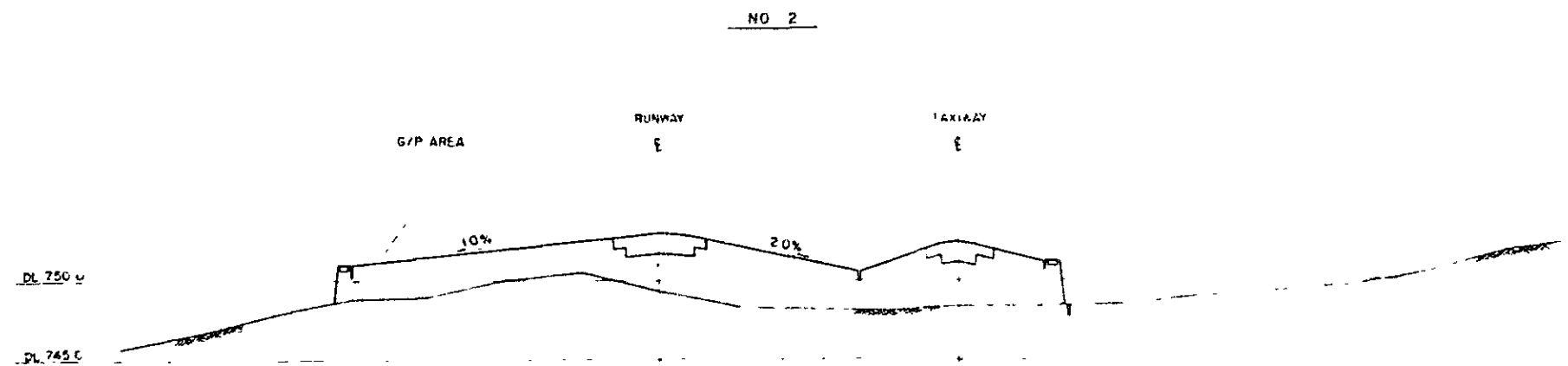
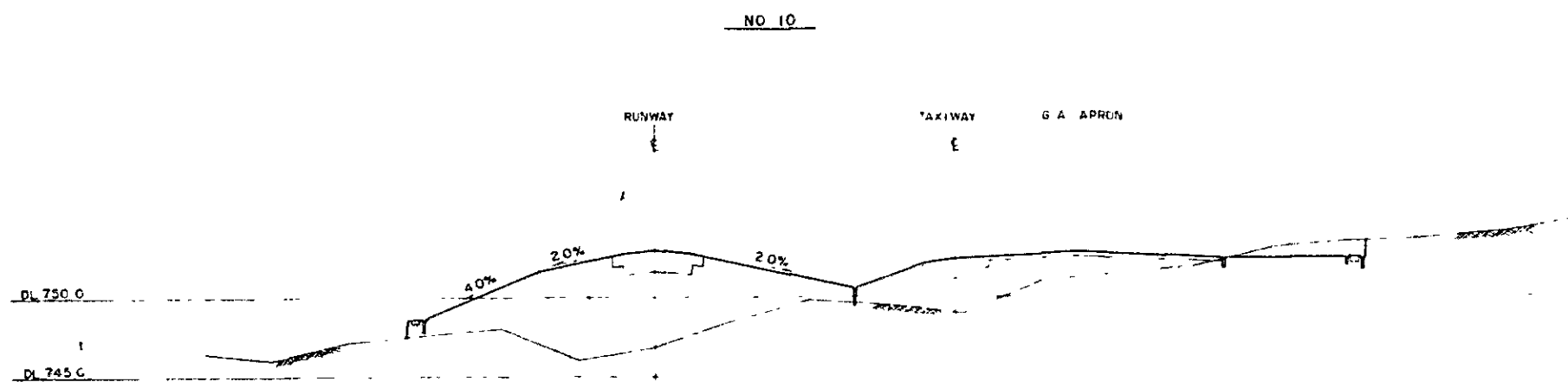
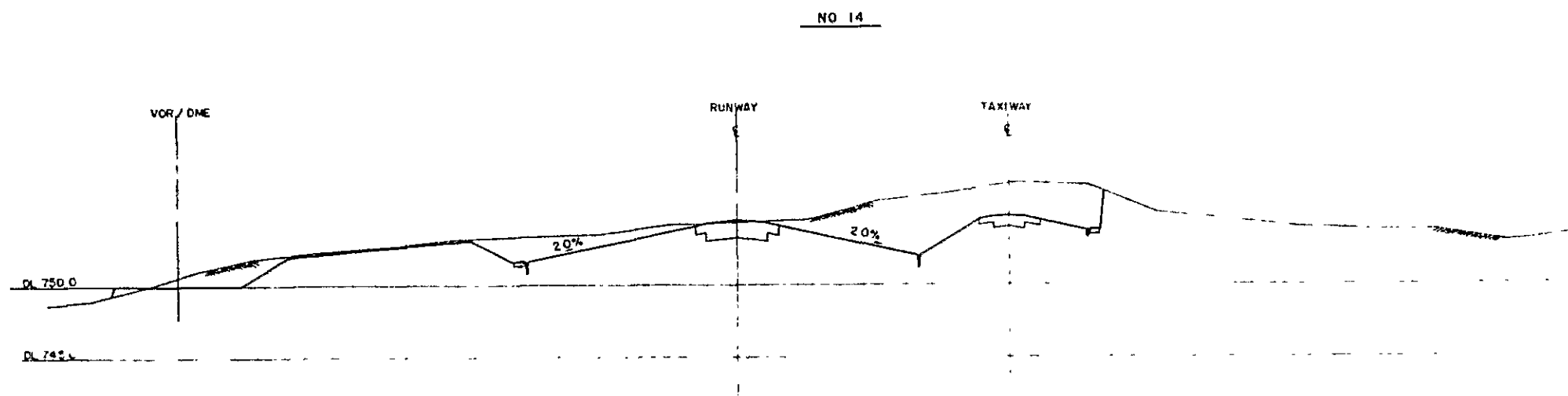
NEW TEGUCIGALPA AIRPORT DEVELOPMENT

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TYPICAL CROSS SECTION

FEASIBILITY STUDY 6

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SECRETARIA DE COMUNICACIONES
OBRAS PUBLICAS Y TRANSPORTE

NEW TEGUCIGALPA AIRPORT DEVELOPMENT

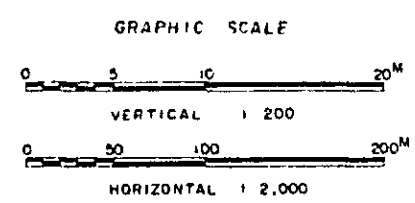
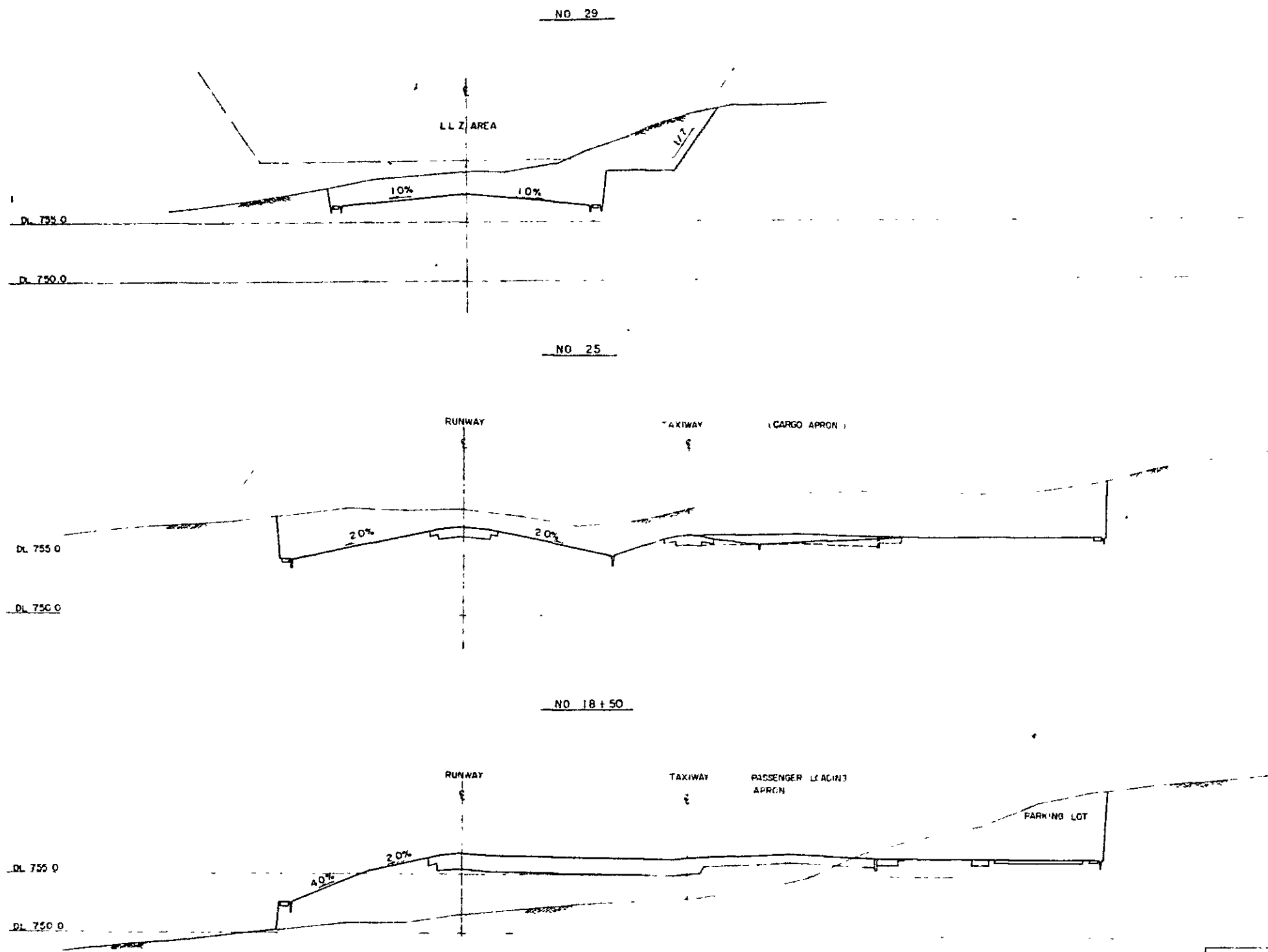
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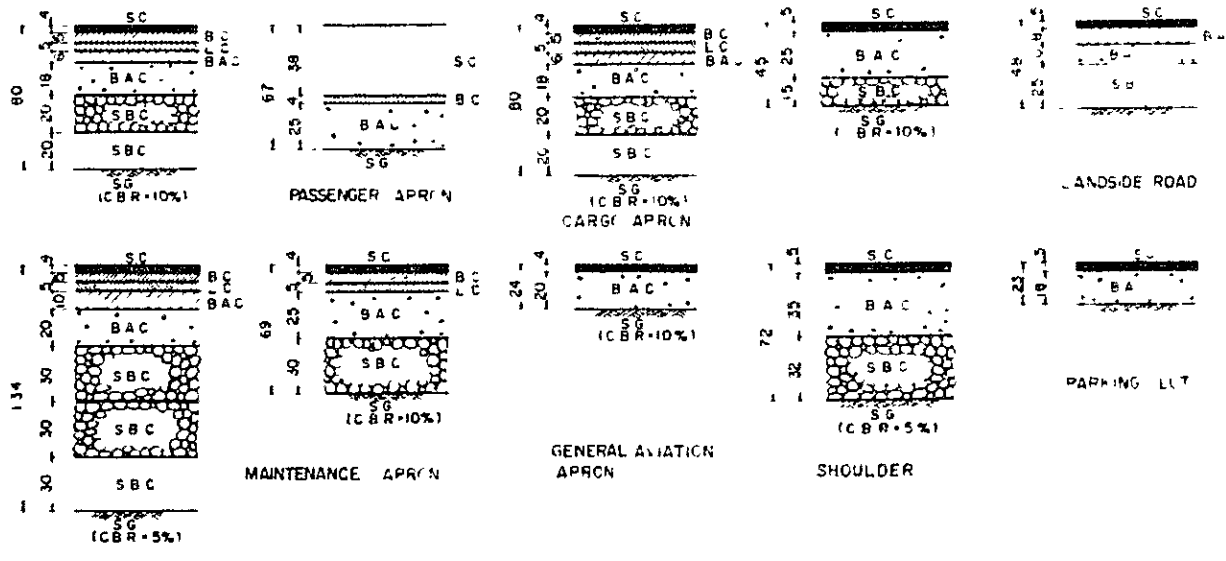
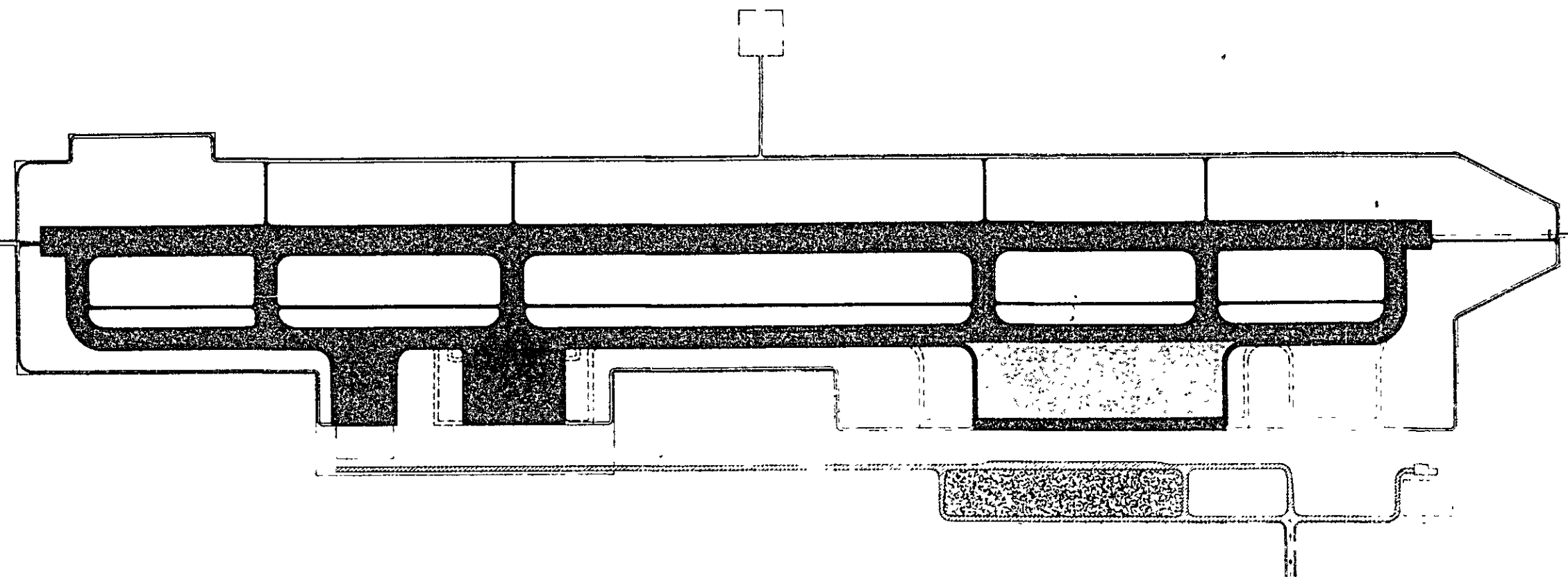
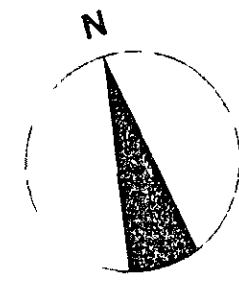
FEASIBILITY STUDY

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NEW TEGUCIGALPA AIRPORT DEVELOPMENT	
CROSS SECTION - 2	AUG 1979
FEASIBILITY STUDY	8
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LEGEND

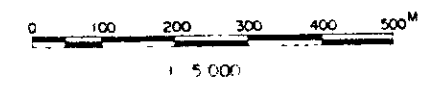
- ASPHALT PAVEMENT (ASPHALT CONCRETE)
- CEMENT CONCRETE
- PARKING LOT
- SERVICE ROAD
- LANDSIDE ROAD

STRUCTURAL PAVEMENT SECTION

LEGEND

- SC SURFACE COURSE (ASPHALT CONCRETE)
- SC SURFACE COURSE (CEMENT CONCRETE)
- BC BINDER COURSE (ASPHALT CONCRETE)
- LC LEVELING COURSE (ASPHALT CONCRETE)
- BAC BASE COURSE (BITUMINOUS STABILIZATION)
- BAC BASE COURSE (CRUSHED STONE FOR MECHANICAL STABILIZATION)
- SBC SUBBASE COURSE (CRUSHER RUN)
- SBC SUBBASE COURSE (SAND)
- SG SUBGRADE

GRAPHIC SCALE

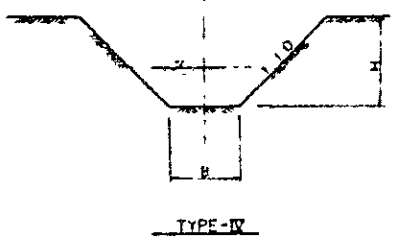
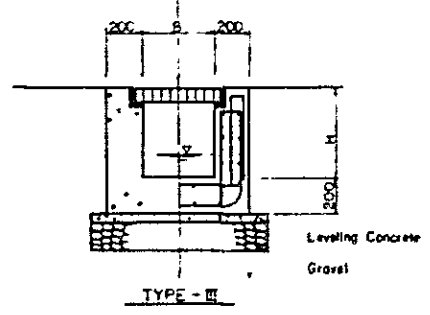
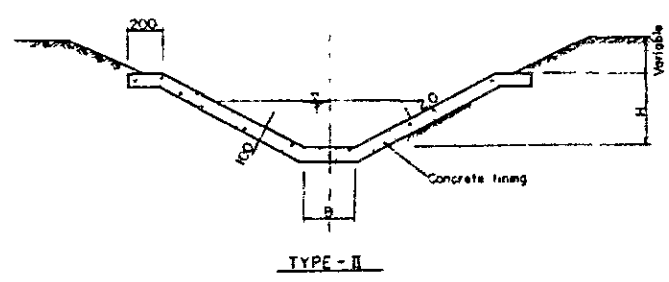
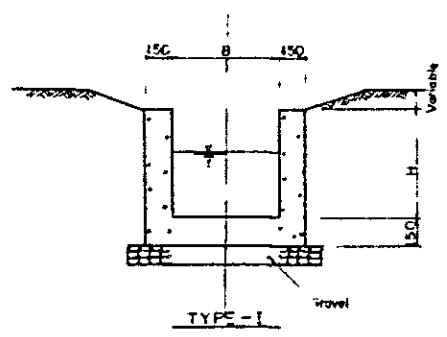
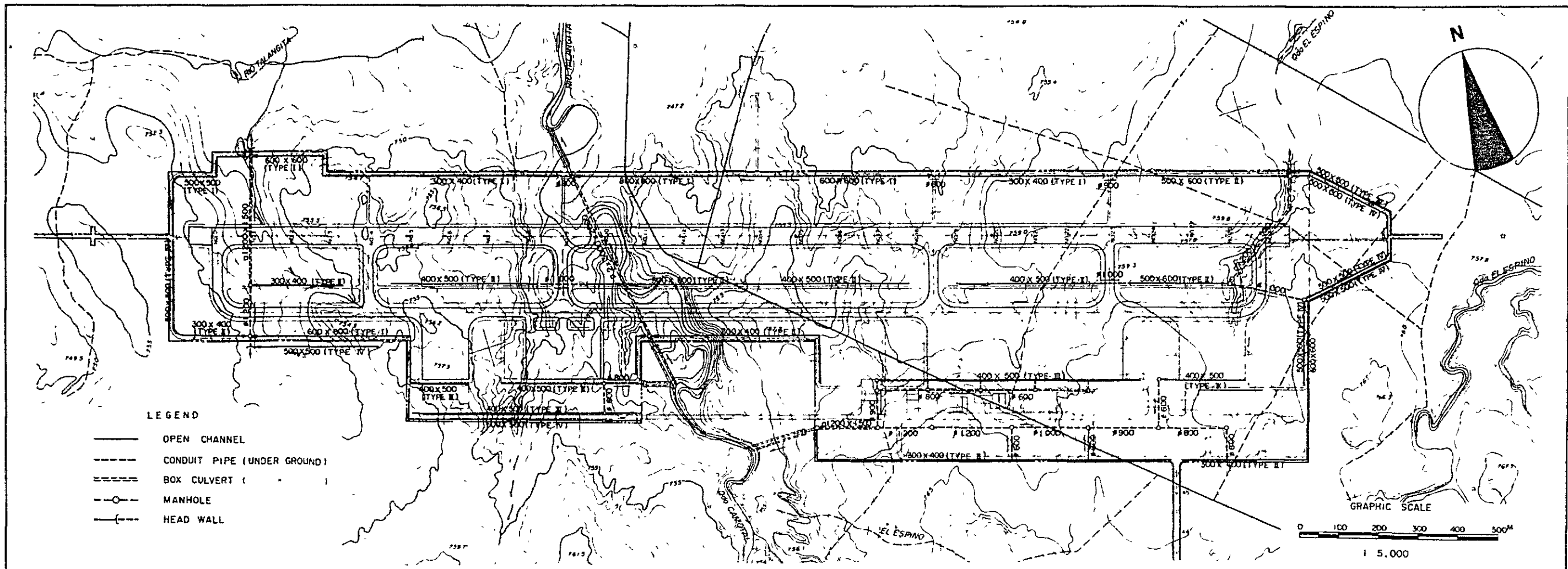


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OBRAS PUBLICAS Y TRANSPORTE

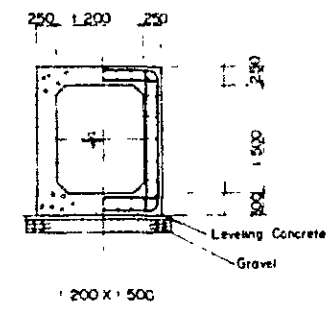
NEW TEGUCIGALPA AIRPORT DEVELOPMENT

PAVEMENTS
FEASIBILITY STUDY
JAPAN INTERNATIONAL COOPERATION AGENCY

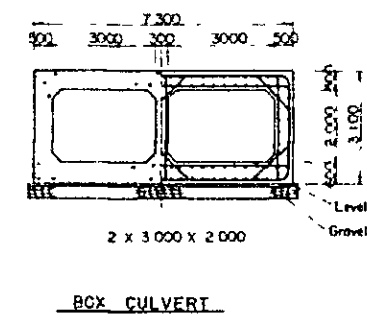
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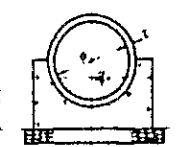
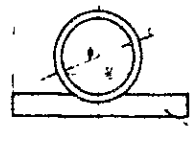
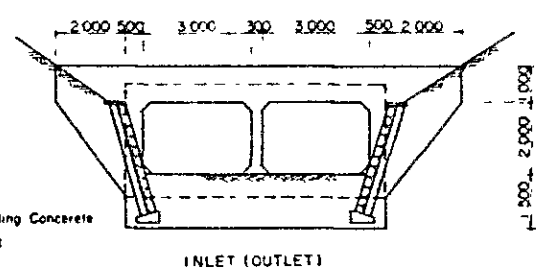
OPEN CHANNEL



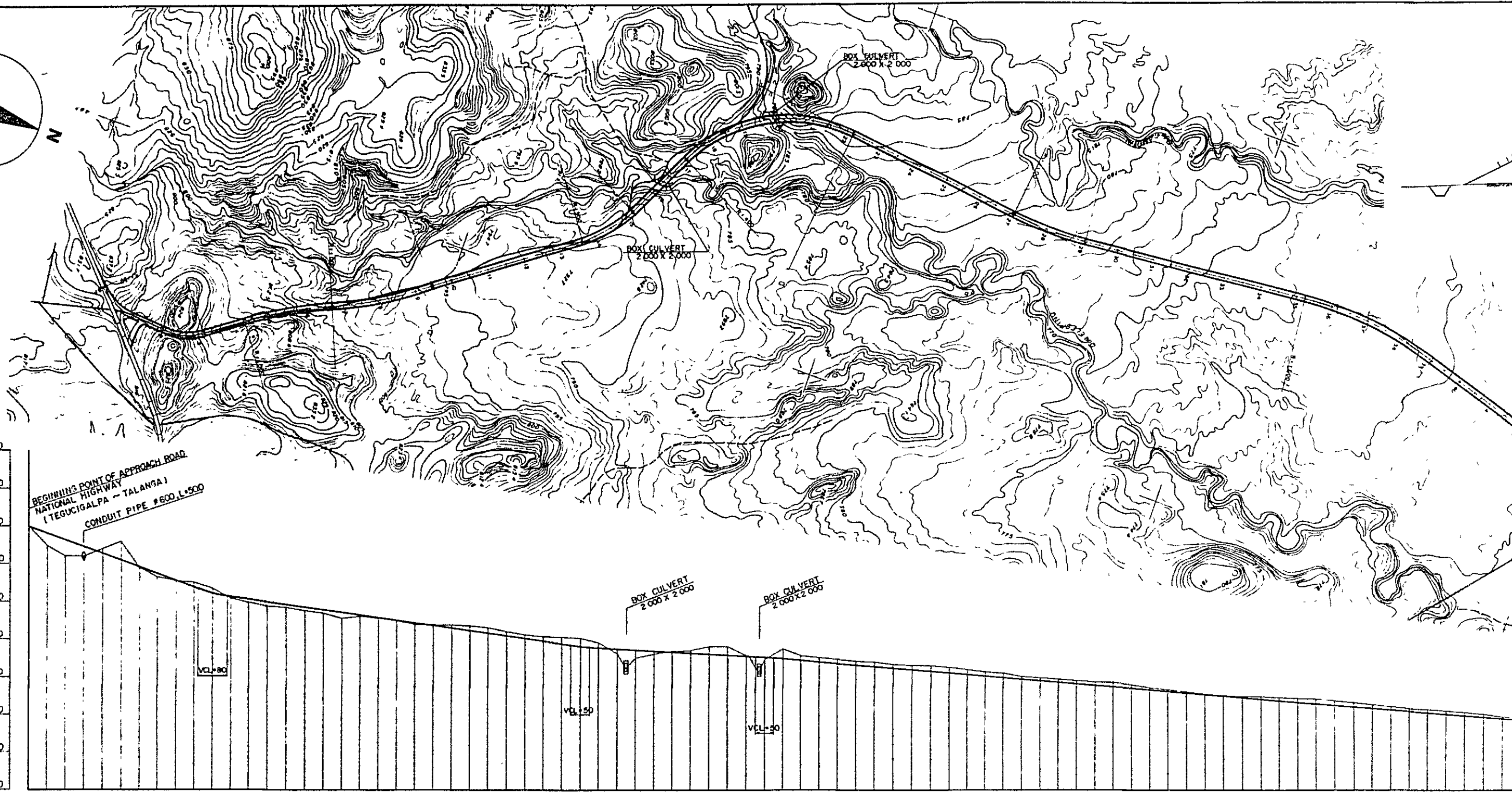
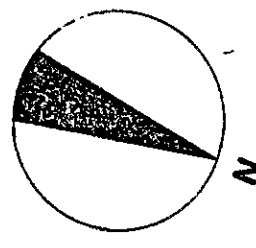
CONDUIT PIPE



BOX CULVERT



REPUBLICA DE HONDURAS SECRETARIA DE COMUNICACIONES OBRAS PUBLICAS Y TRANSPORTE	
NEW TEGUCIGALPA AIRPORT DEVELOPMENT	
AIRPORT DRAINAGE FEASIBILITY STUDY	AUG 1979 10
JAPAN INTERNATIONAL COOPERATION AGENCY	



840.00
830.00
820.00
810.00
800.00
790.00
780.00
770.00
760.00

BEGINNING POINT OF APPROACH ROAD
NATIONAL HIGHWAY
(TEGUCIGALPA - TALANGA)
CONDUIT PIPE #600, L=500

VCL-80

VCL-50

BOX CULVERT
2,000 X 2,000

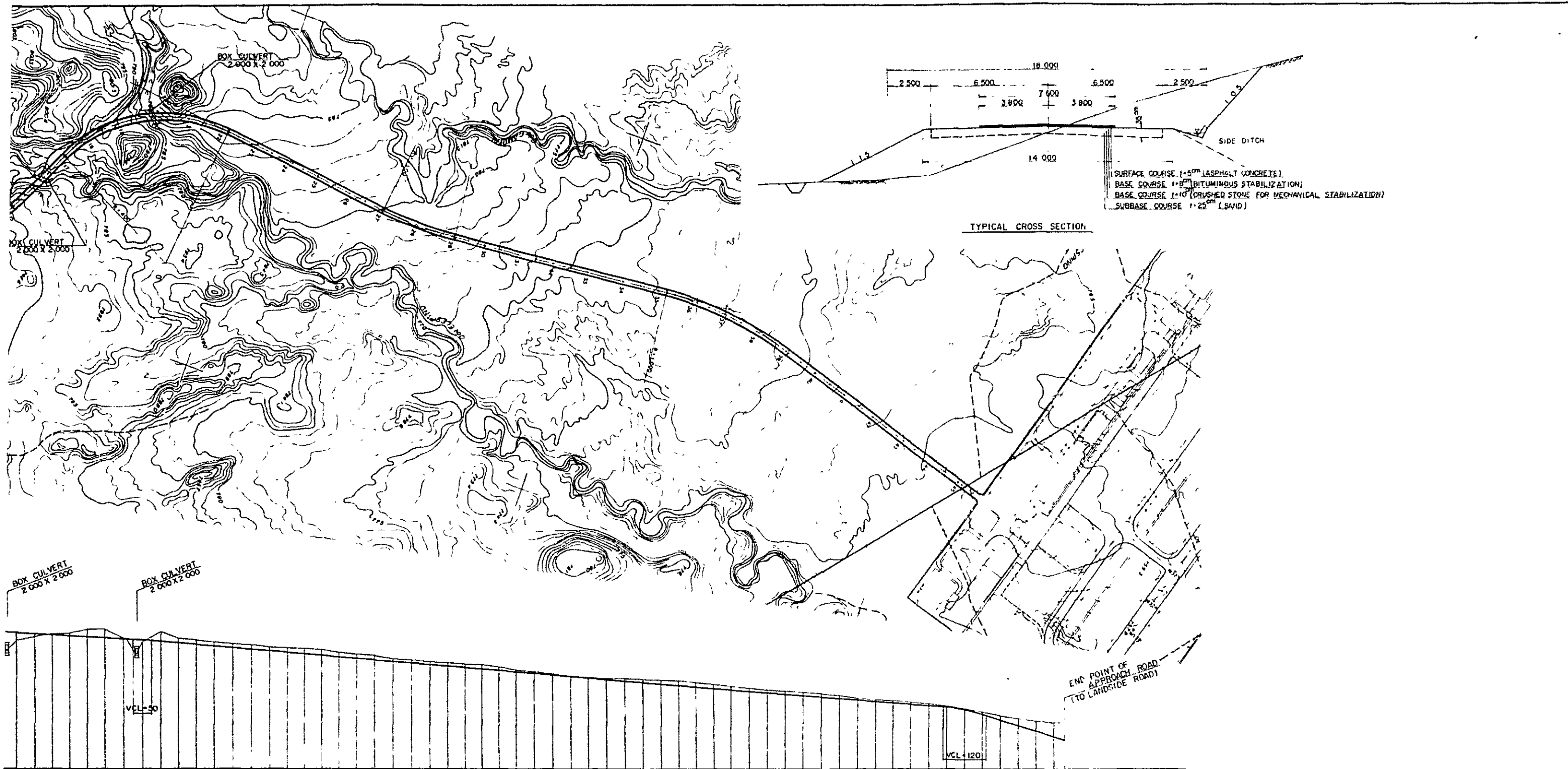
BOX CULVERT
2,000 X 2,000

VCL-30

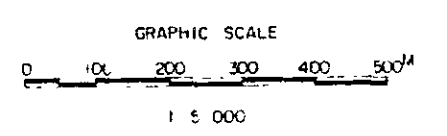
1:500
1:5,000
DL = 750.00

STATION	DISTANCE	ACCUMULATED DISTANCE	GROUND HEIGHT	FORMATION HEIGHT	CUT, FILL	GRADIENT
1	0.00	0.00	820.00	0.00	0.00	0.00%
1	50.00	50.00	815.00	-3.20	-3.20	0.00%
1	100.00	100.00	812.00	-4.40	-4.40	-2.6% L=500.0
1	150.00	150.00	812.00	-2.60	-2.60	0.00%
1	200.00	200.00	814.00	+1.20	+1.20	0.00%
1	250.00	250.00	816.00	+3.00	+3.00	0.00%
1	300.00	300.00	809.00	-0.20	-0.20	0.00%
1	350.00	350.00	807.00	-0.90	-0.90	0.00%
1	400.00	400.00	805.00	-0.10	-0.10	0.00%
1	450.00	450.00	803.00	+1.30	+1.30	0.00%
1	500.00	500.00	802.00	+1.30	+1.30	0.00%
1	550.00	550.00	801.00	-0.30	-0.30	0.00%
1	600.00	600.00	800.00	-1.00	-1.00	0.00%
1	650.00	650.00	799.00	-0.90	-0.90	0.00%
1	700.00	700.00	798.00	-0.60	-0.60	0.00%
1	750.00	750.00	797.00	-0.90	-0.90	0.00%
1	800.00	800.00	797.00	-1.00	-1.00	0.00%
1	850.00	850.00	797.00	-1.70	-1.70	0.00%
1	900.00	900.00	796.00	-0.30	-0.30	0.00%
1	950.00	950.00	795.00	-0.20	-0.20	0.00%
1	1000.00	1000.00	794.00	-0.20	-0.20	0.00%
1	1050.00	1050.00	794.00	-0.30	-0.30	0.00%
1	1100.00	1100.00	793.00	+0.20	+0.20	0.00%
1	1150.00	1150.00	793.00	+0.90	+0.90	0.00%
1	1200.00	1200.00	792.00	+1.10	+1.10	0.00%
1	1250.00	1250.00	791.00	+1.90	+1.90	0.00%
1	1300.00	1300.00	790.00	+1.20	+1.20	0.00%
1	1350.00	1350.00	790.00	+0.90	+0.90	0.00%
1	1400.00	1400.00	789.00	+1.20	+1.20	0.00%
1	1450.00	1450.00	788.00	+1.80	+1.80	0.00%
1	1500.00	1500.00	788.00	+1.95	+1.95	0.00%
1	1550.00	1550.00	787.00	+1.30	+1.30	0.00%
1	1600.00	1600.00	786.00	-1.40	-1.40	0.00%
1	1650.00	1650.00	785.00	-2.10	-2.10	0.00%
1	1700.00	1700.00	785.00	-0.50	-0.50	0.00%
1	1750.00	1750.00	786.00	+0.30	+0.30	0.00%
1	1800.00	1800.00	786.00	+0.90	+0.90	0.00%
1	1850.00	1850.00	785.00	+2.20	+2.20	0.00%
1	1900.00	1900.00	785.00	+2.20	+2.20	0.00%
1	1950.00	1950.00	785.00	+0.30	+0.30	0.00%
1	2000.00	2000.00	784.00	-0.60	-0.60	0.00%
1	2050.00	2050.00	784.00	+2.70	+2.70	0.00%
1	2100.00	2100.00	784.00	+1.30	+1.30	0.00%
1	2150.00	2150.00	783.00	+1.10	+1.10	0.00%
1	2200.00	2200.00	783.00	+1.10	+1.10	0.00%
1	2250.00	2250.00	782.00	+1.10	+1.10	0.00%
1	2300.00	2300.00	781.00	+1.30	+1.30	0.00%
1	2350.00	2350.00	781.00	+1.50	+1.50	0.00%
1	2400.00	2400.00	781.00	+1.50	+1.50	0.00%
1	2450.00	2450.00	780.00	+1.50	+1.50	0.00%
1	2500.00	2500.00	780.00	+1.40	+1.40	0.00%
1	2550.00	2550.00	780.00	+1.20	+1.20	0.00%
1	2600.00	2600.00	780.00	+1.20	+1.20	0.00%
1	2650.00	2650.00	779.00	+1.00	+1.00	0.00%
1	2700.00	2700.00	779.00	+0.70	+0.70	0.00%
1	2750.00	2750.00	779.00	+0.70	+0.70	0.00%
1	2800.00	2800.00	778.00	+0.80	+0.80	0.00%
1	2850.00	2850.00	778.00	+1.00	+1.00	0.00%
1	2900.00	2900.00	777.00	+0.90	+0.90	0.00%
1	2950.00	2950.00	777.00	+1.00	+1.00	0.00%
1	3000.00	3000.00	777.00	+0.70	+0.70	0.00%
1	3050.00	3050.00	776.00	+0.30	+0.30	0.00%
1	3100.00	3100.00	775.00	+0.30	+0.30	0.00%
1	3150.00	3150.00	775.00	-0.20	-0.20	0.00%
1	3200.00	3200.00	775.00	+0.00	+0.00	0.00%
1	3250.00	3250.00	774.00	+0.00	+0.00	0.00%
1	3300.00	3300.00	774.00	+0.30	+0.30	0.00%
1	3350.00	3350.00	774.00	+0.30	+0.30	0.00%
1	3400.00	3400.00	773.00	+0.90	+0.90	0.00%
1	3450.00	3450.00	773.00	+0.80	+0.80	0.00%
1	3500.00	3500.00	773.00	+1.00	+1.00	0.00%
1	3550.00	3550.00	773.00	+1.00	+1.00	0.00%
1	3600.00	3600.00	772.00	+1.00	+1.00	0.00%
1	3650.00	3650.00	772.00	+0.80	+0.80	0.00%
1	3700.00	3700.00	771.00	+0.60	+0.60	0.00%
1	3750.00	3750.00	771.00	+0.70	+0.70	0.00%
1	3800.00	3800.00	771.00	+0.70	+0.70	0.00%
1	3850.00	3850.00	771.00	+0.90	+0.90	0.00%
1	3900.00	3900.00	770.00	+0.70	+0.70	0.00%
1	3950.00	3950.00	769.00	+0.70	+0.70	0.00%
1	4000.00	4000.00	769.00	+0.30	+0.30	0.00%

0.08%
L=2300.0



50 000	650 000	785 00	787 10	-2 10
50 000	700 000	786 30	786 80	-0 50
50 000	750 000	786 80	786 50	+0 30
50 000	800 000	787 10	786 20	+0 90
50 000	850 000	787 80	785 90	+2 20
50 000	900 000	787 80	785 60	+2 20
50 000	950 000	785 60	785 30	+0 30
50 000	1 000 000	784 30	784 99	-0 69
50 000	1 050 000	787 30	784 60	+2 70
50 000	1 100 000	785 50	784 20	+1 30
50 000	1 150 000	784 90	783 80	+1 10
50 000	1 200 000	784 50	783 40	+1 10
50 000	1 250 000	784 20	783 00	+1 20
50 000	1 300 000	784 00	782 60	+1 40
50 000	1 350 000	783 30	782 20	+1 10
50 000	1 400 000	783 10	781 80	+1 30
50 000	1 450 000	782 90	781 40	+1 50
50 000	1 500 000	782 50	781 00	+1 50
50 000	1 550 000	782 00	780 60	+1 40
50 000	1 600 000	781 40	780 20	+1 20
50 000	1 650 000	780 80	779 60	+1 00
50 000	1 700 000	780 10	779 40	+0 70
50 000	1 750 000	779 70	779 00	+0 70
50 000	1 800 000	779 40	778 60	+0 80
50 000	1 850 000	779 20	778 20	+1 00
50 000	1 900 000	778 70	777 80	+0 90
50 000	1 950 000	778 40	777 40	+1 00
50 000	2 000 000	777 70	777 00	+0 70
50 000	2 050 000	776 90	776 60	+0 30
50 000	2 100 000	776 50	776 20	+0 30
50 000	2 150 000	776 10	775 80	+0 30
50 000	2 200 000	775 20	775 40	-0 20
50 000	2 250 000	775 00	775 00	± 0 00
50 000	2 300 000	774 60	774 60	± 0 00
50 000	2 350 000	774 50	774 20	+0 30
50 000	2 400 000	774 30	773 90	+0 50
50 000	2 450 000	774 20	773 40	+0 80
50 000	2 500 000	774 00	773 00	+1 00
50 000	2 550 000	773 60	772 60	+1 00
50 000	2 600 000	773 20	772 20	+1 00
50 000	2 650 000	772 60	771 80	+0 80
50 000	2 700 000	772 00	771 40	+0 60
50 000	2 750 000	771 70	771 00	+0 70
50 000	2 800 000	771 30	770 60	+0 70
50 000	2 850 000	771 00	770 20	+0 80
50 000	2 900 000	770 50	769 60	+0 70
50 000	2 950 000	770 00	769 40	+0 60
50 000	3 000 000	769 30	769 00	+0 30
50 000	3 050 000	768 80	768 60	+0 20
50 000	3 100 000	768 60	768 20	+0 40
50 000	3 150 000	768 30	767 80	+0 50
50 000	3 200 000	767 80	767 40	+0 40
50 000	3 250 000	767 20	766 99	+0 21
50 000	3 300 000	766 40	766 26	+0 14
50 000	3 350 000	765 50	765 07	+0 43
50 000	3 400 000	764 60	763 55	+1 05
50 000	3 450 000	763 80	762 02	+1 78
50 000	3 500 000	763 00	760 49	+2 51
50 000	3 550 000	762 70	769 97	+3 73
50 000	3 600 000	762 80	769 50	+5 30



REPUBLICA DE HONDURAS
 SECRETARIA DE COMUNICACIONES
 OBRAS PUBLICAS Y TRANSPORTE

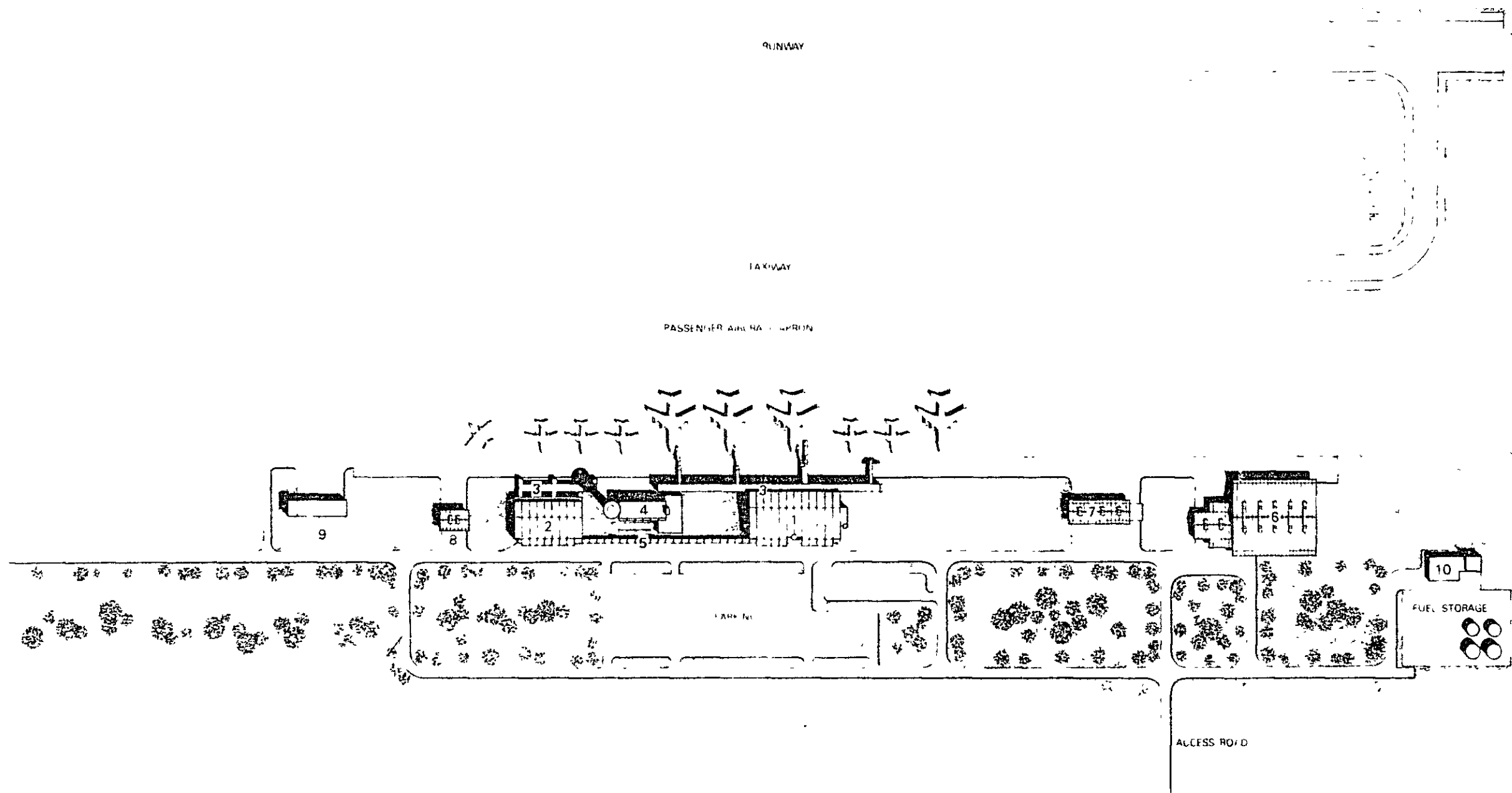
NEW TEGUCIGALPA AIRPORT DEVELOPMENT

AUG 1979

APPROACH ROAD

FEASIBILITY STUDY

JAPAN INTERNATIONAL COOPERATION AGENCY



- 1 INTERNATIONAL PASSENGER TERMINAL BUILDING
- 2 DOMESTIC PASSENGER TERMINAL BUILDING
- 3 FINGER CONCOURSE
- 4 AIRPORT ADMINISTRATION OPERATION BUILDING
- 5 COVERED WALK
- 6 IMPORT CARGO BUILDING
- 7 EXPORT CARGO BUILDING
- 8 DOMESTIC CARGO BUILDING
- 9 FIRE STATION MAINTENANCE VEHICLE GARAGE
- 10 MAIN SUB STATION



REPUBLICA DE HONDURAS
SECRETARIA DE COMUNICACIONES
OBRAS PUBLICAS Y TRANSPORTE

NEW TEGUCIGALPA AIRPORT DEVELOPMENT

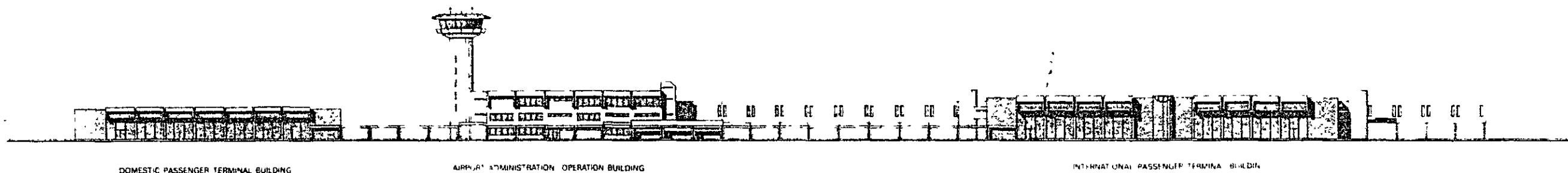
TERMINAL AREA
LAYOUT PLAN STAGE 1

AUG 1979

FEASIBILITY STUDY

12

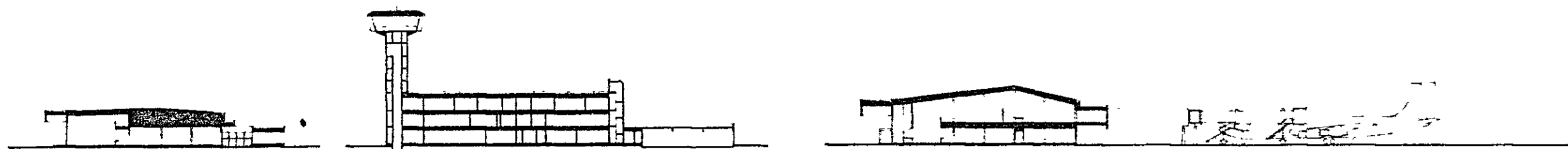
JAPAN INTERNATIONAL COOPERATION AGENCY



DOMESTIC PASSENGER TERMINAL BUILDING

AIRPORT ADMINISTRATION OPERATION BUILDING

INTERNATIONAL PASSENGER TERMINAL BUILDING



DOMESTIC PASSENGER TERMINAL BUILDING

AIRPORT ADMINISTRATION OPERATION BUILDING

INTERNATIONAL PASSENGER TERMINAL BUILDING

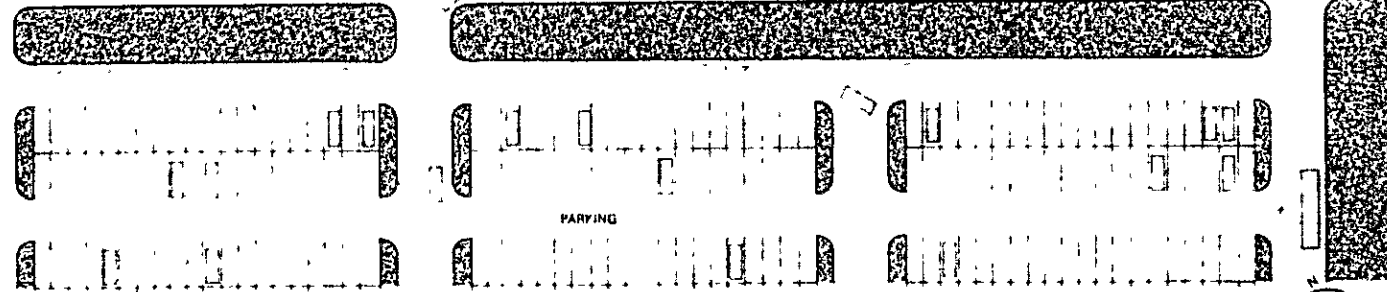
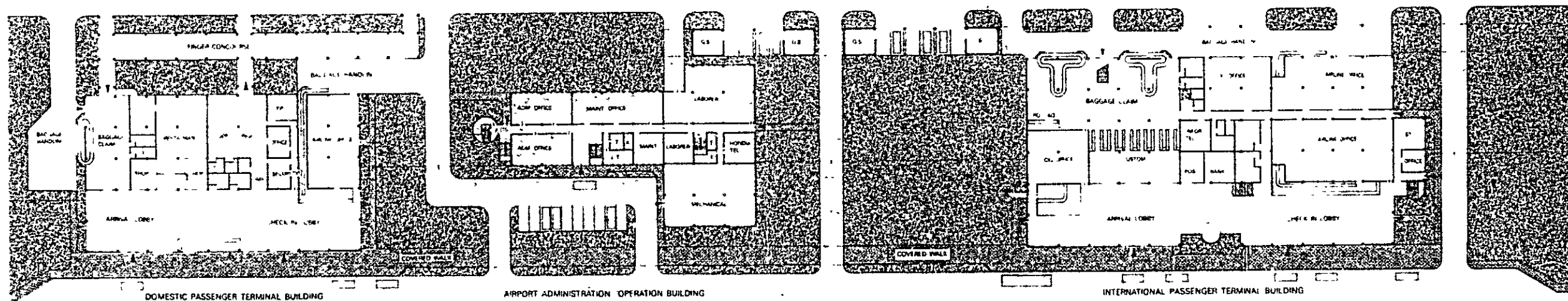
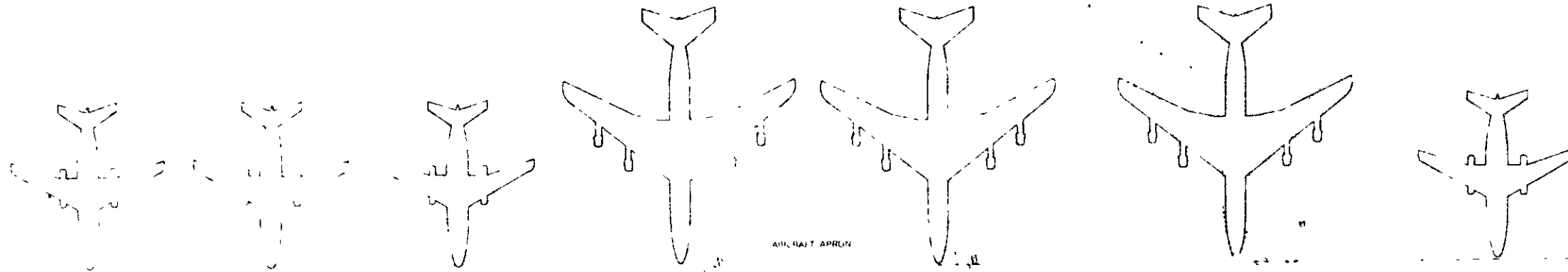
REPUBLICA DE HONDURAS
SECRETARIA DE COMUNICACIONES
OBRAS PUBLICAS Y TRANSPORTE

NEW TEGUCIGALPA AIRPORT DEVELOPMENT

PASSENGER TERMINAL BUILDINGS & AIRPORT ADMINISTRATION OPERATION BUILDING AUG '979
ELEVATION SECTION STAGE

FEASIBILITY STUDY 13

JAPAN INTERNATIONAL COOPERATION AGENCY



REPUBLICA DE HONDURAS
 SECRETARIA DE COMUNICACIONES
 OBRAS PUBLICAS Y TRANSPORTE

NEW TEGUCIGALPA AIRPORT DEVELOPMENT

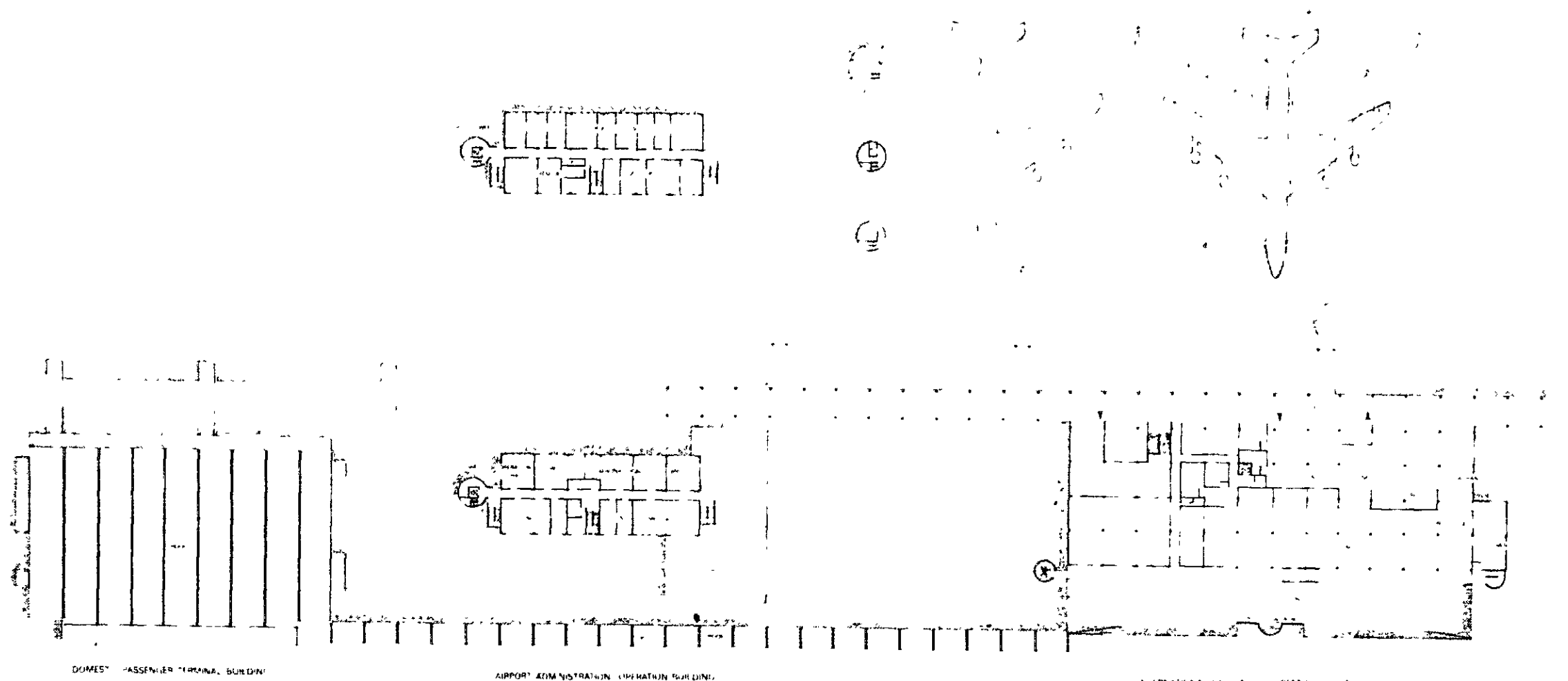
PASSENGER TERMINAL BUILDINGS &
 AIRPORT ADMINISTRATION OPERATION BLDG
 1ST FLOOR PLAN STAGE I

FEASIBILITY STUDY

JAPAN INTERNATIONAL COOPERATION AGENCY

AUG 1979

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DOMEST PASSENGER TERMINAL BUILDING

AIRPORT ADMINISTRATION OPERATION BUILDING

INTERNATIONAL PASSENGER TERMINAL BUILDING

REPUBLICA DE HONDURAS
SECRETARÍA DE COMUNICACIONES
OBRAS PÚBLICAS Y TRANSPORTE

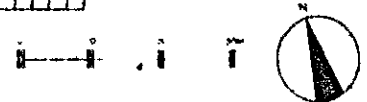
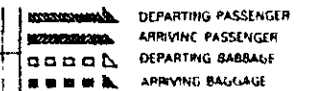
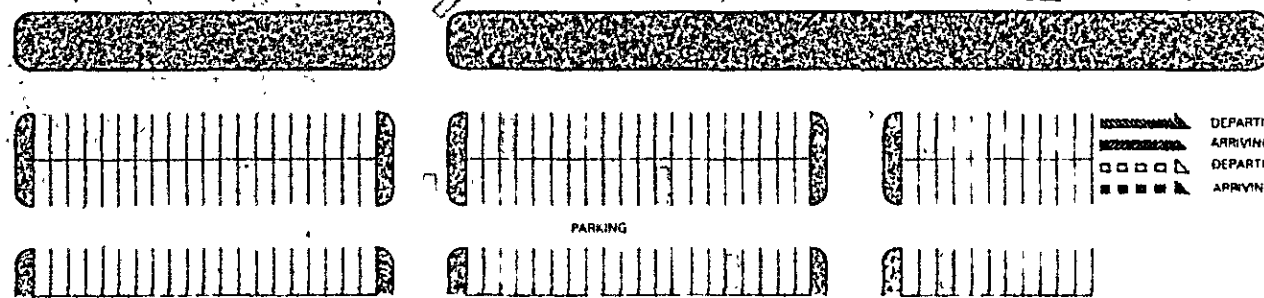
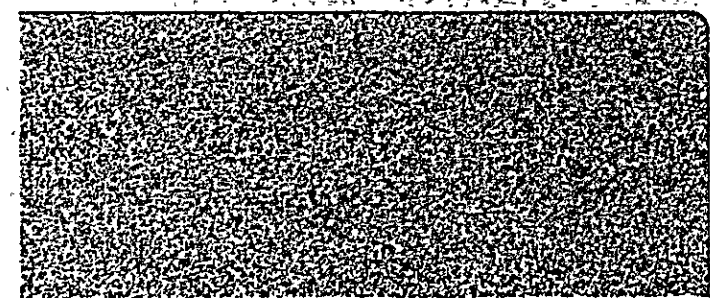
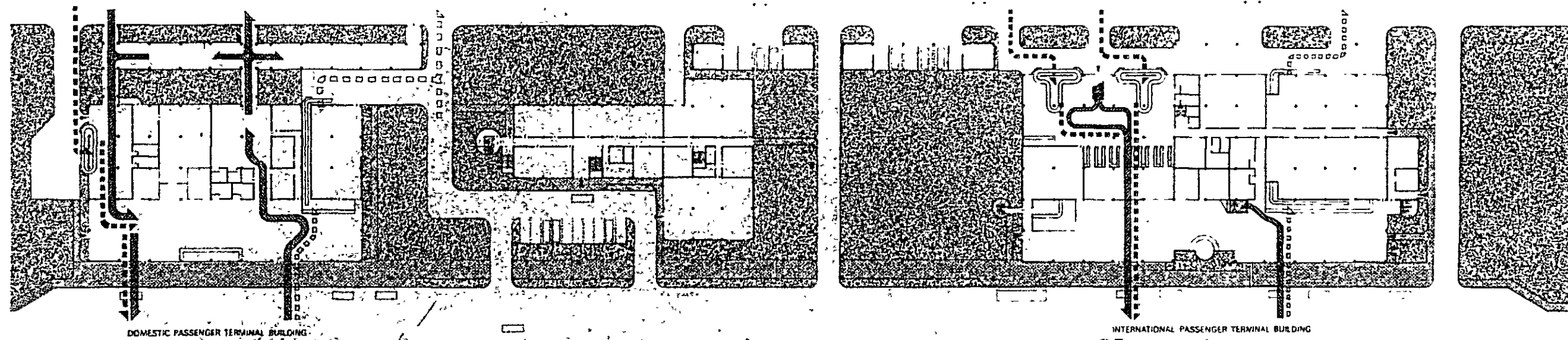
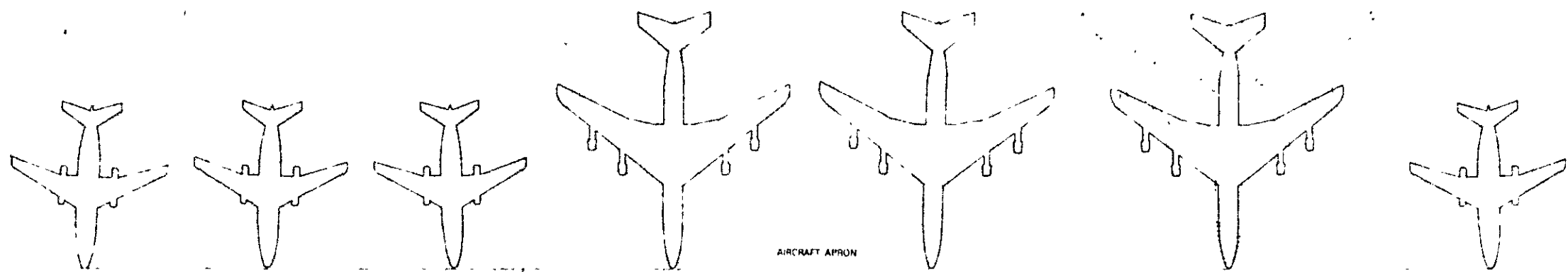
NEW TEGUCIGALPA AIRPORT DEVELOPMENT

PASSENGER TERMINAL BUILDINGS B
AIRPORT ADMINISTRATION OPERATION B/DG
2ND FLOOR PLAN STAGE

AUG 1979

15

FEASIBILITY STUDY
JAPAN INTERNATIONAL COOPERATION AGENCY



REPUBLICA DE HONDURAS
SECRETARIA DE COMUNICACIONES
OBRAS PUBLICAS Y TRANSPORTE

NEW TEGUCIGALPA AIRPORT DEVELOPMENT

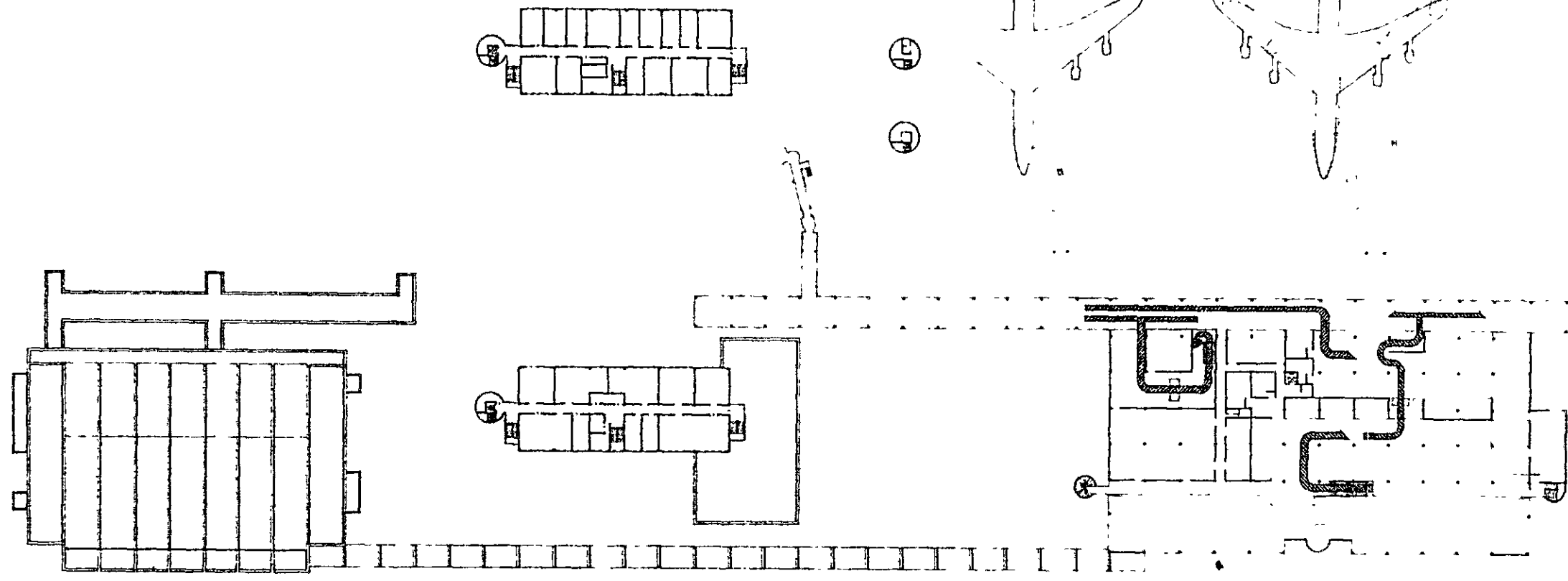
PASSENGER TERMINAL BUILDINGS &
AIRPORT ADMINISTRATION OPERATION BLDG
1ST FL TRAFFIC FLOW STAGE

FEASIBILITY STUDY

AUG 1979

6

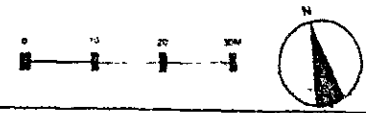
JAPAN INTERNATIONAL COOPERATION AGENCY



DOMESTIC PASSENGER TERMINAL BUILDING

INTERNATIONAL PASSENGER TERMINAL BUILDING

- DEPARTING PASSENGER
- ARRIVING PASSENGER
- DEPARTING BAGGAGE
- ARRIVING BAGGAGE



REPUBLICA DE HONDURAS
SECRETARIA DE COMUNICACIONES
OBRAS PUBLICAS Y TRANSPORTE

NEW TEGUCIGALPA AIRPORT DEVELOPMENT

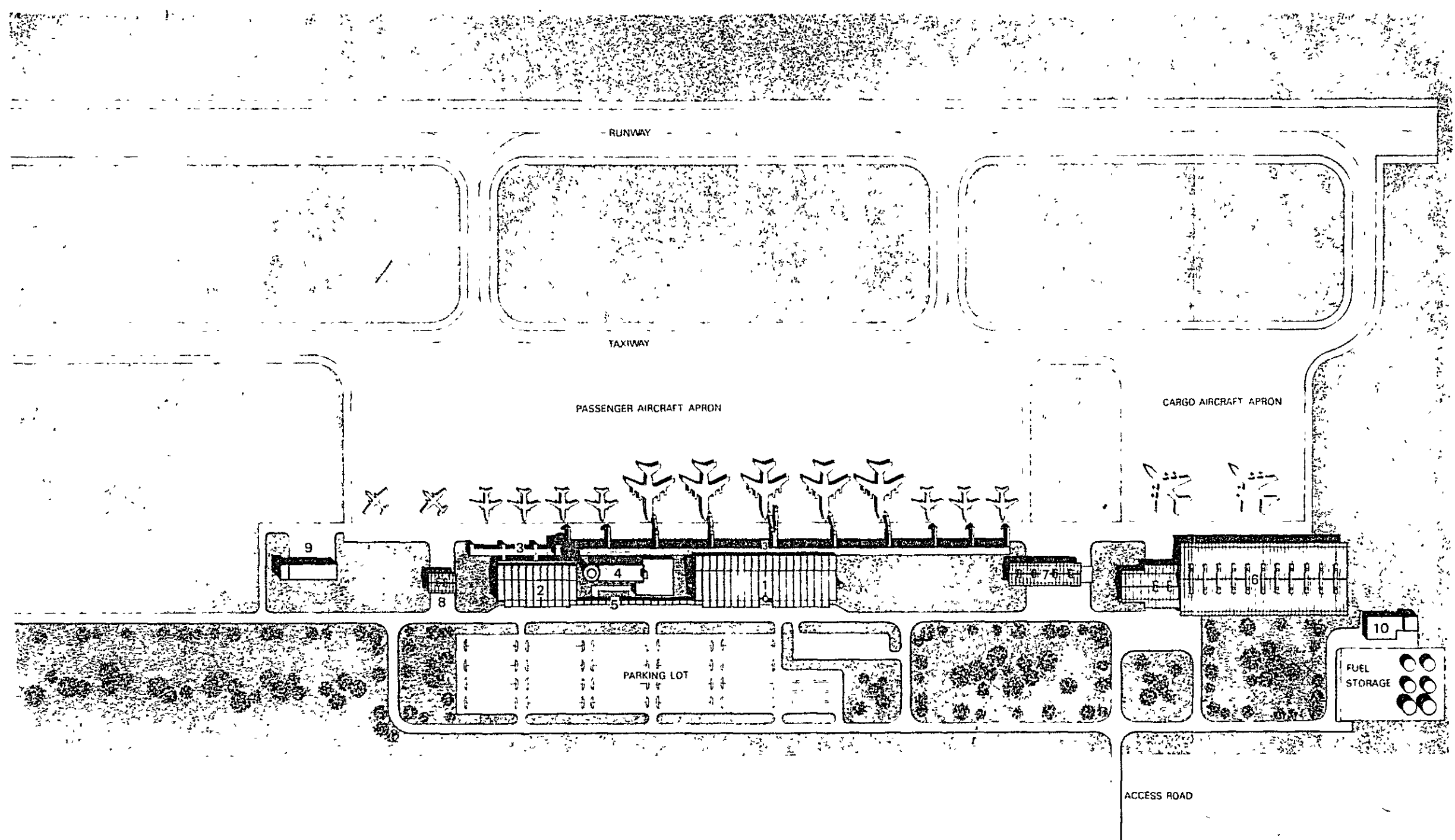
PASSENGER TERMINAL BUILDINGS & AIRPORT ADMINISTRATION OPERATION BLDG
2ND FL TRAFFIC FLOW STAGE I

AUG 1979

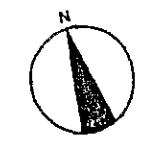
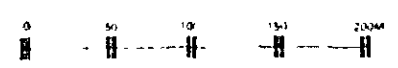
FEASIBILITY STUDY

17

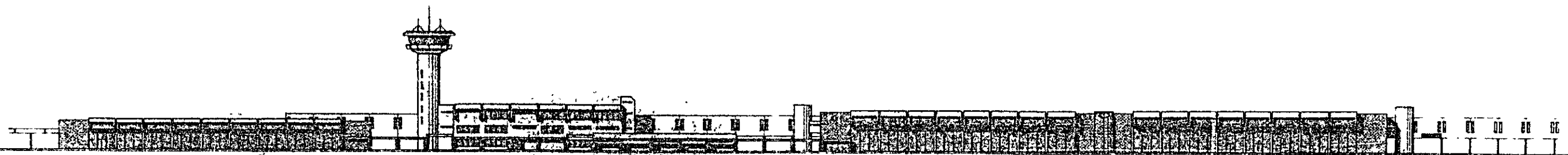
JAPAN INTERNATIONAL COOPERATION AGENCY



- 1 INTERNATIONAL PASSENGER TERMINAL BUILDING
- 2 DOMESTIC PASSENGER TERMINAL BUILDING
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- 10 MAIN SUB STATION



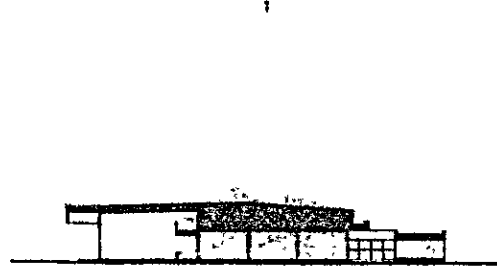
REPUBLICA DE HONDURAS
 SECRETARIA DE COMUNICACIONES
 OBRAS PUBLICAS Y TRANSPORTE
 NEW TEGUCIGALPA AIRPORT DEVELOPMENT
 TERMINAL AREA
 LAYOUT PLAN STAGE II AUG 1979
 FEASIBILITY STUDY 18
 JAPAN INTERNATIONAL COOPERATION AGENCY



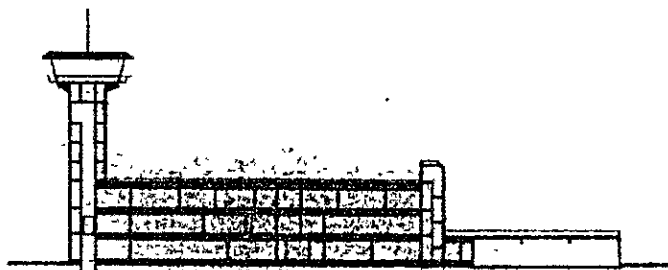
DOMESTIC PASSENGER TERMINAL BUILDING

AIRPORT ADMINISTRATION, OPERATION BUILDING

INTERNATIONAL PASSENGER TERMINAL BUILDING



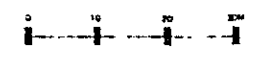
DOMESTIC PASSENGER TERMINAL BUILDING



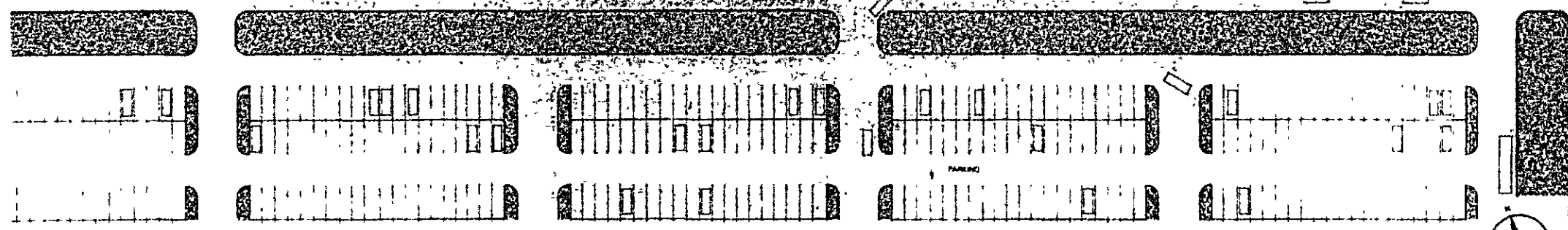
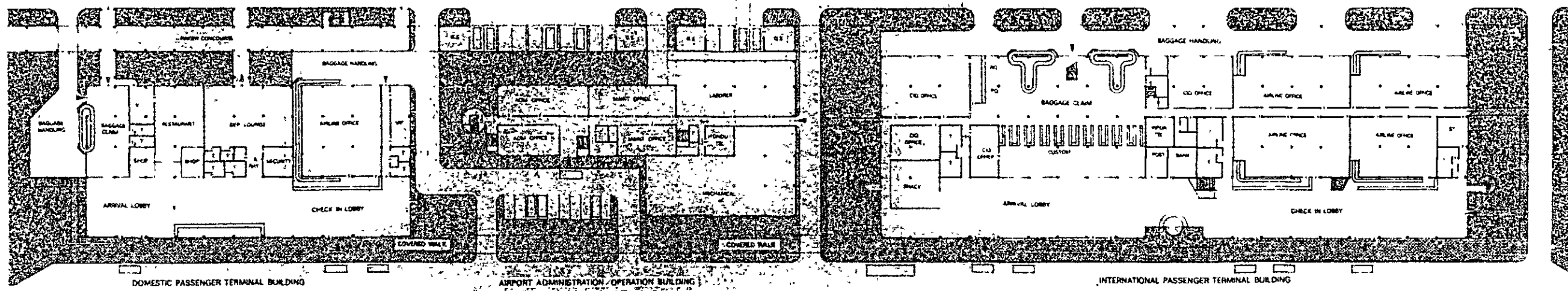
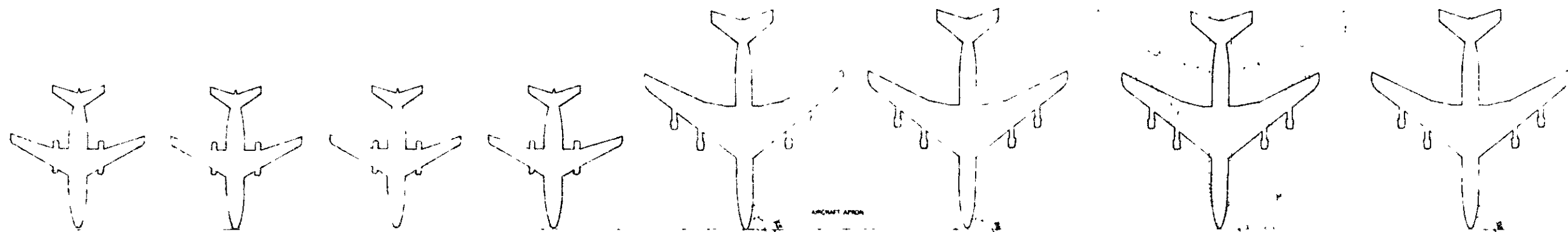
AIRPORT ADMINISTRATION, OPERATION BUILDING



INTERNATIONAL PASSENGER TERMINAL BUILDING



REPUBLICA DE HONDURAS
 SECRETARIA DE COMUNICACIONES
 OBRAS PUBLICAS Y TRANSPORTE
 NEW TEGUCIGALPA AIRPORT DEVELOPMENT
 PASSENGER TERMINAL BUILDINGS &
 AIRPORT ADMINISTRATION OPERATION BLDG AUG 1979
 ELEVATION SECTION STAGE II
 FEASIBILITY STUDY 19
 JAPAN INTERNATIONAL COOPERATION AGENCY



REPUBLICA DE HONDURAS
 SECRETARIA DE COMUNICACIONES
 OBRAS PUBLICAS Y TRANSPORTF

NEW TEGUCIGALPA AIRPORT DEVELOPMENT

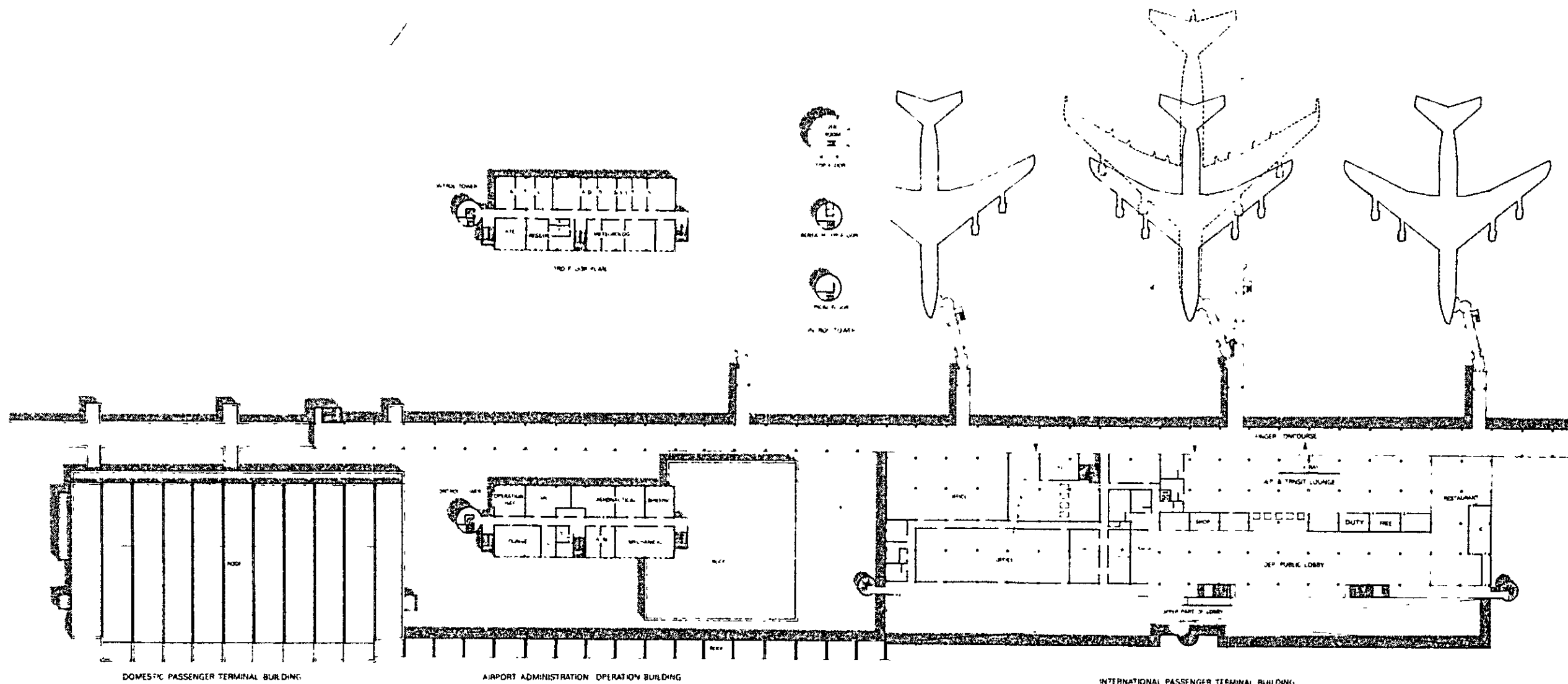
PASSENGER TERMINAL BUILDINGS &
 AIRPORT ADMINISTRATION / OPERATION BLDG
 1ST FLOOR PLAN STAGE II

FEASIBILITY STUDY

JAPAN INTERNATIONAL COOPERATION AGENCY

AUG. 1979

20



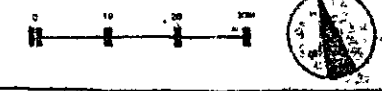
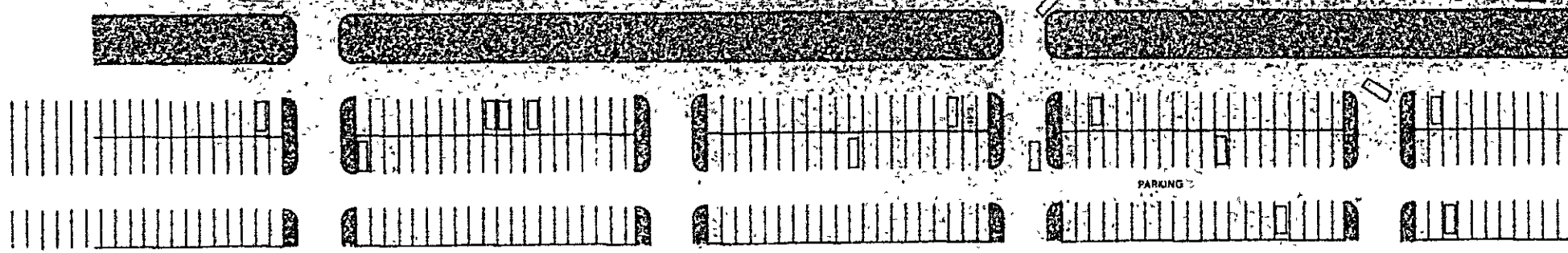
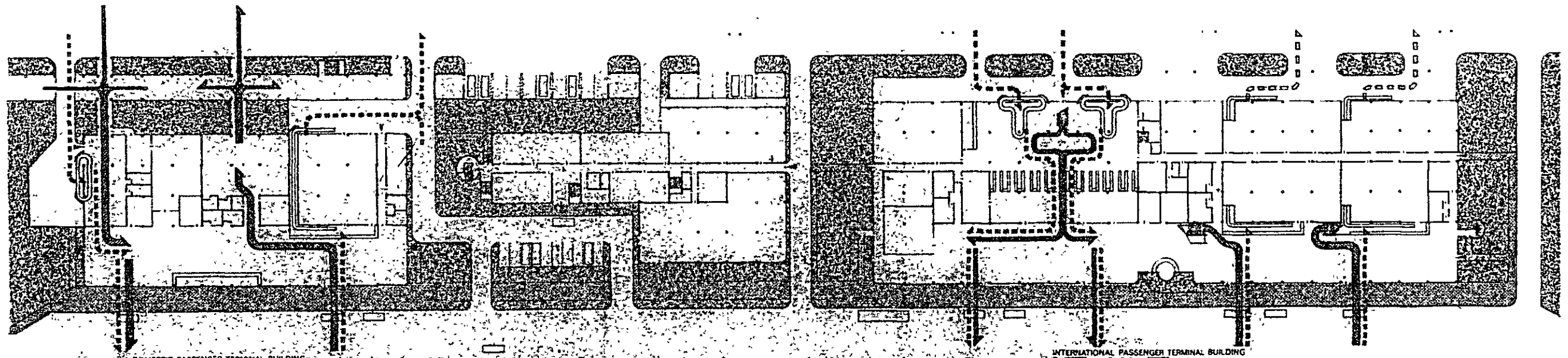
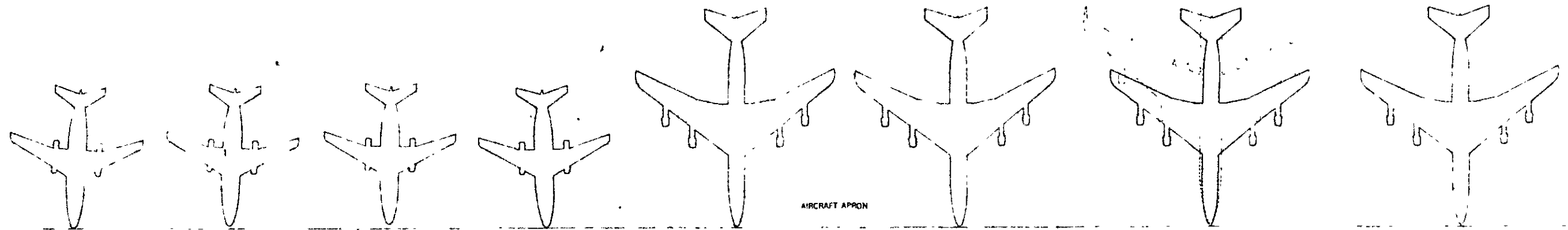
DOMESTIC PASSENGER TERMINAL BUILDING

AIRPORT ADMINISTRATION OPERATION BUILDING

INTERNATIONAL PASSENGER TERMINAL BUILDING

REPUBLICA DE HONDURAS SECRETARIA DE COMUNICACIONES OBRAS PUBLICAS Y TRANSPORTE	
NEW TEGUCIGALPA AIRPORT DEVELOPMENT	
PASSENGER TERMINAL BUILDINGS & AIRPORT ADMINISTRATION OPERATION BLDG 2ND FLOOR PLAN STAGE B	AUG 1979
FEASIBILITY STUDY	21
JAPAN INTERNATIONAL COOPERATION AGENCY	





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SECRETARIA DE COMUNICACIONES
OBRAS PUBLICAS Y TRANSPORTE

NEW TEGUCIGALPA AIRPORT DEVELOPMENT

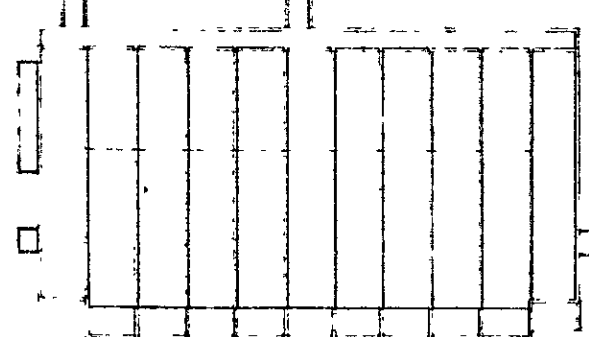
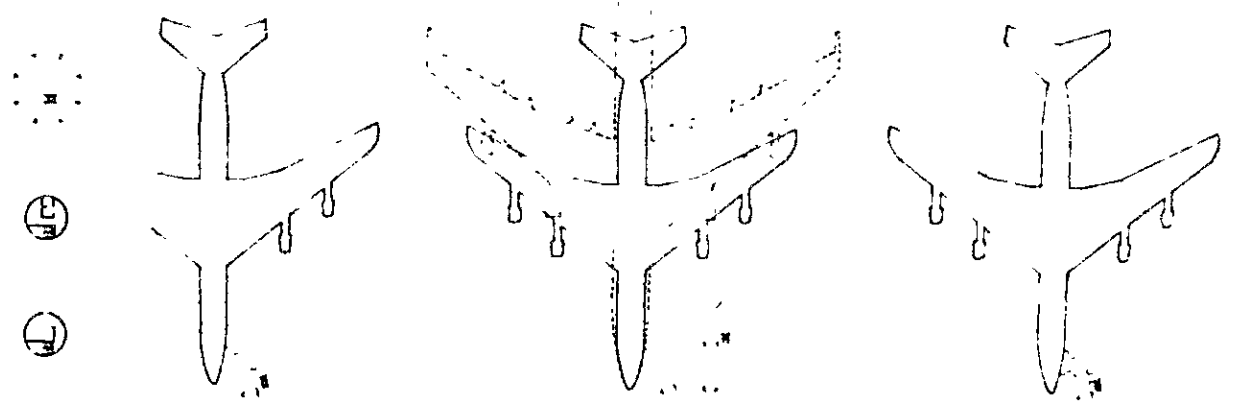
PASSENGER TERMINAL BUILDINGS &
AIRPORT ADMINISTRATION OPERATION BLDG
1ST FL TRAFFIC FLOW STAGE II

FEASIBILITY STUDY

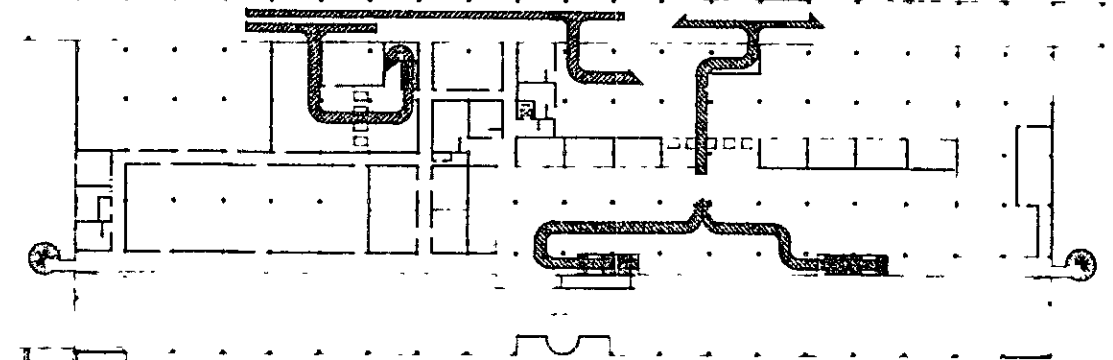
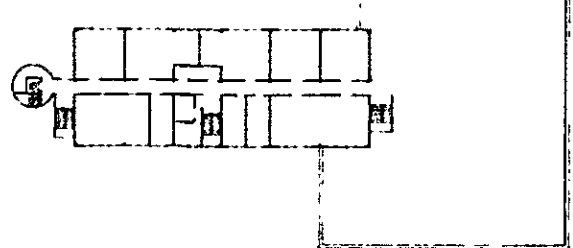
AUG 1979

22

JAPAN INTERNATIONAL COOPERATION AGENCY

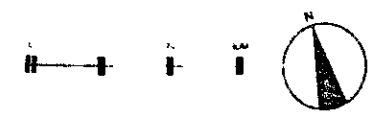


DOMESTIC PASSENGER TERMINAL BUILDING



INTERNATIONAL PASSENGER TERMINAL BUILDING

- DEPARTING PASSENGER
- ARRIVING PASSENGER
- DEPARTING BAGGAGE
- ARRIVING BAGGAGE



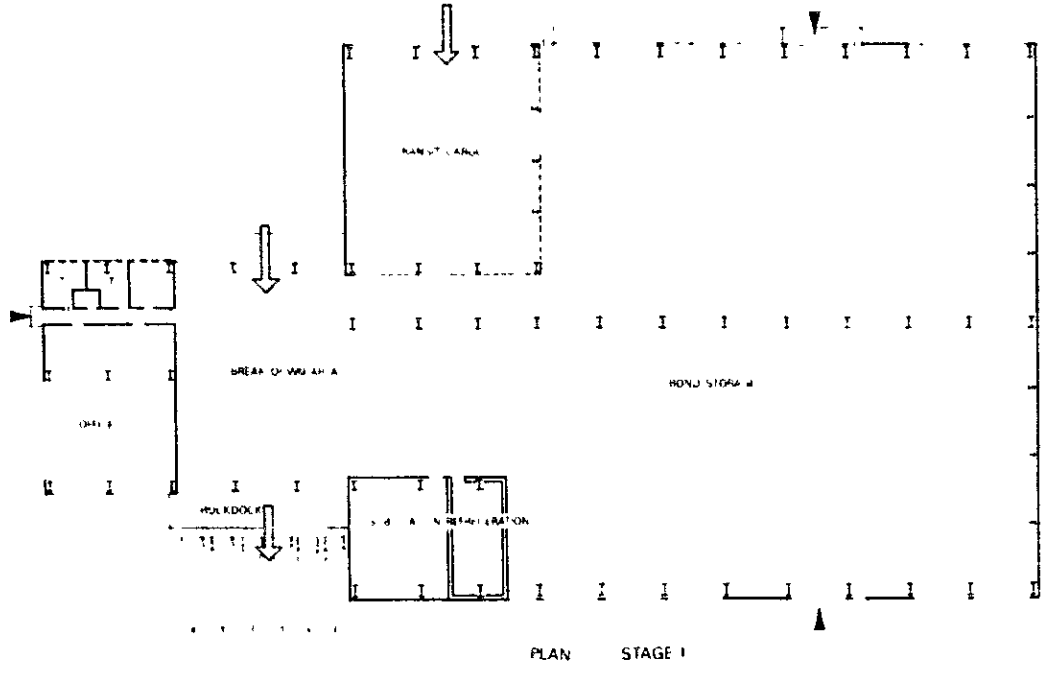
REPÚBLICA DE HONDURAS
SECRETARÍA DE COMUNICACIONES
OBRAS PÚBLICAS Y TRANSPORTE

NEW TEGUCIGALPA AIRPORT DEVELOPMENT

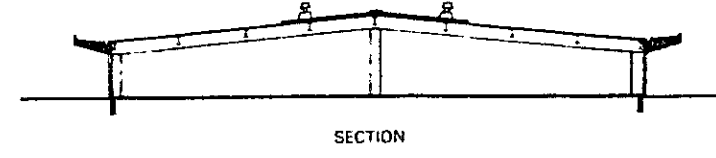
PASSENGER TERMINAL BUILDINGS & AIRPORT ADMINISTRATION OPERATION BLDG 'AUG 1979'
2ND FL TRAFFIC FLOW STAGE B

FEASIBILITY STUDY 23

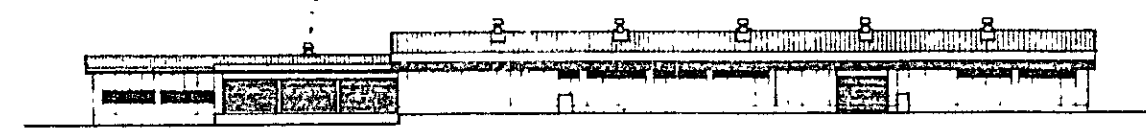
JAPAN INTERNATIONAL COOPERATION AGENCY



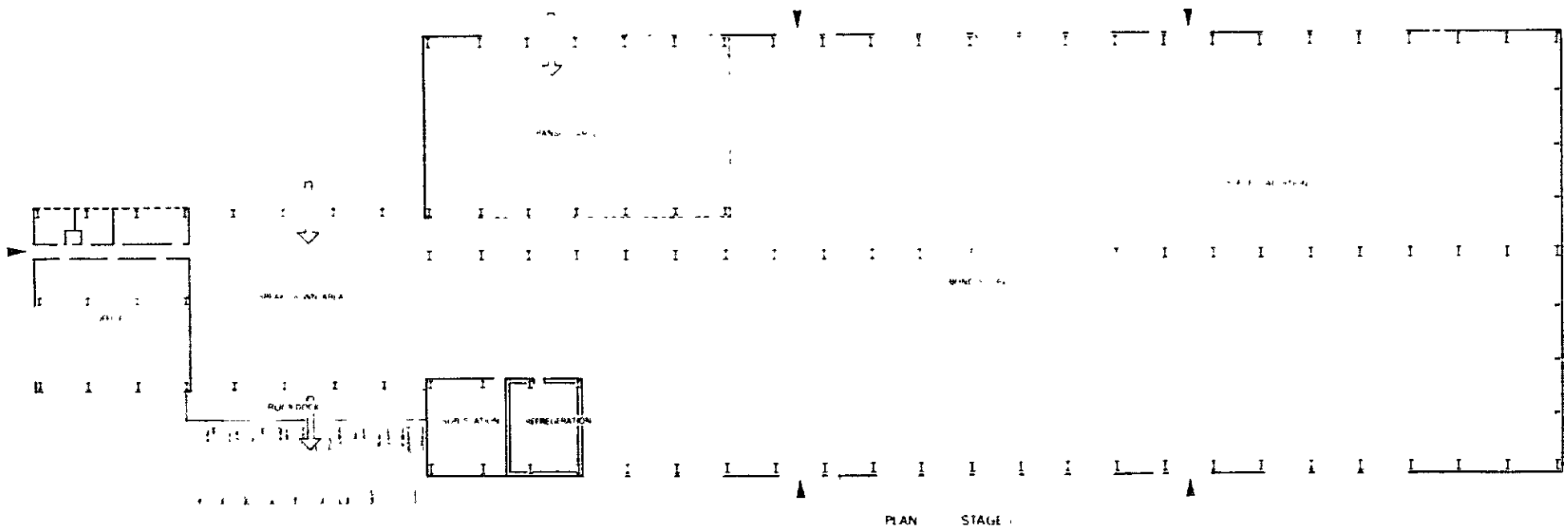
PLAN STAGE I



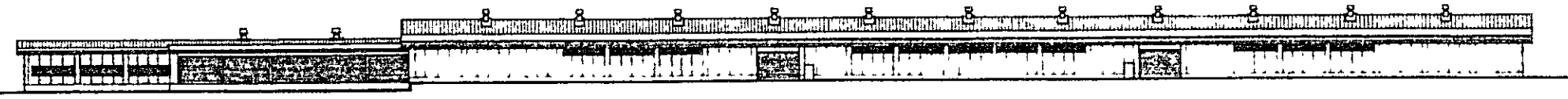
SECTION



ELEVATION STAGE I



PLAN STAGE II



ELEVATION STAGE II



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SECRETARIA DE COMUNICACIONES
OBRAS PUBLICAS Y TRANSPORTE

NEW TEGUCIGALPA AIRPORT DEVELOPMENT

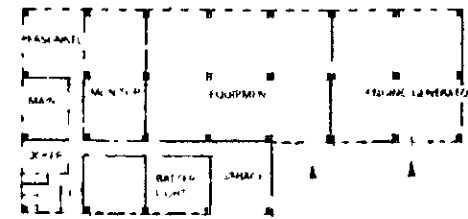
IMPORT CARGO BUILDING
PLAN SECTION ELEVATION STAGE I STAGE II AUG 1979

FEASIBILITY STUDY

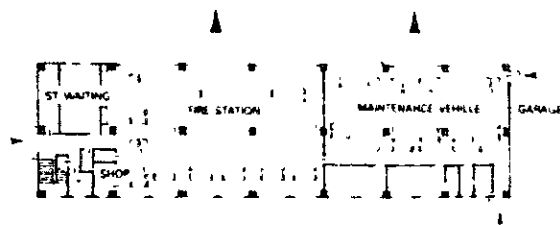
JAPAN INTERNATIONAL COOPERATION AGENCY



PLAN 2ND FLOOR



PLAN 1ST FLOOR



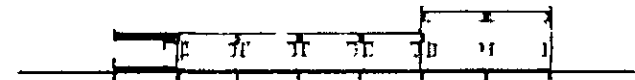
PLAN 1ST FLOOR



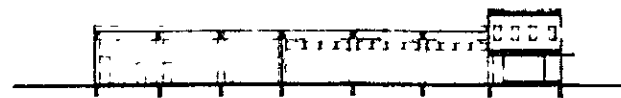
ELEVATION



ELEVATION



SECTION
MAIN SUB STATION



SECTION
FIRE STATION MAINTENANCE VEHICLE GARAGE

REPUBLICA DE HONDURAS
SECRETARIA DE COMUNICACIONES
OBRAS PUBLICAS Y TRANSPORTE

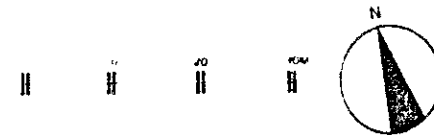
NEW TEGUCIGALPA AIRPORT DEVELOPMENT

FIRE STATION MAINTENANCE VEHICLES GARAGE & MAIN SUB STATION
PLAN SECTION ELEVATION STAGE I STAGE II

AUG 1979

FEASIBILITY STUDY

25



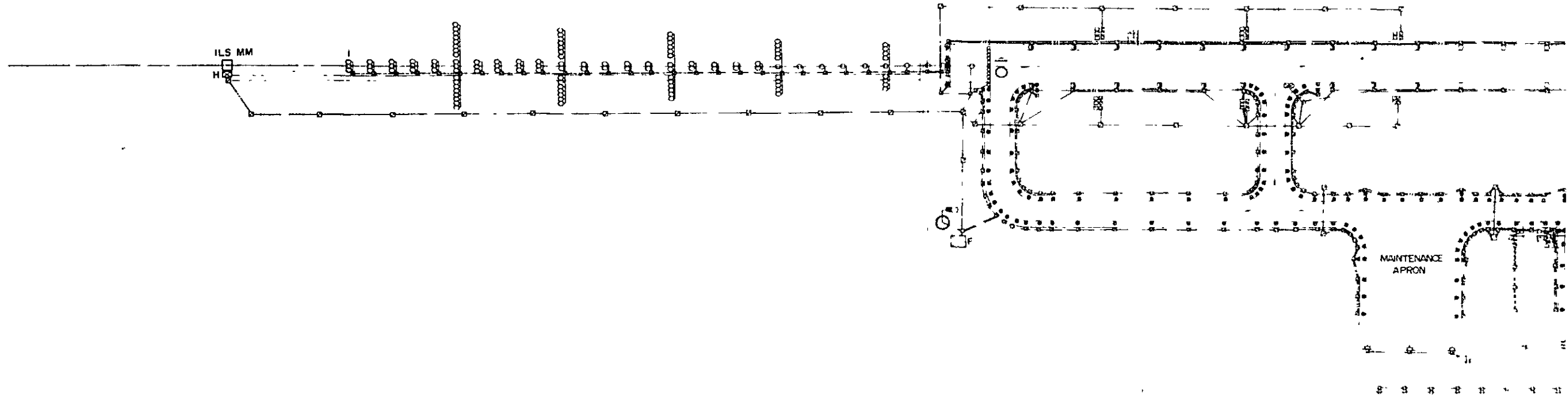
JAPAN INTERNATIONAL COOPERATION AGENCY

900

G
ILS GP

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H

MAINTENANCE
APRON



VOR / DME

CD

G
ILS GP

(R/W 45 x 2,700 m)

MAINTENANCE
APRON

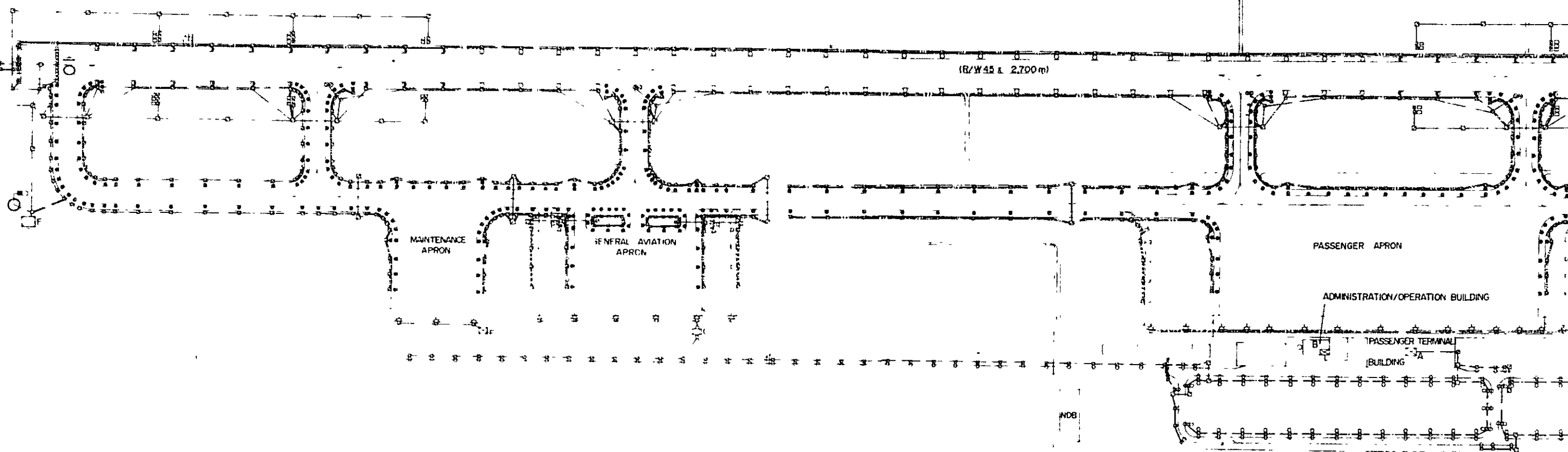
GENERAL AVIATION
APRON

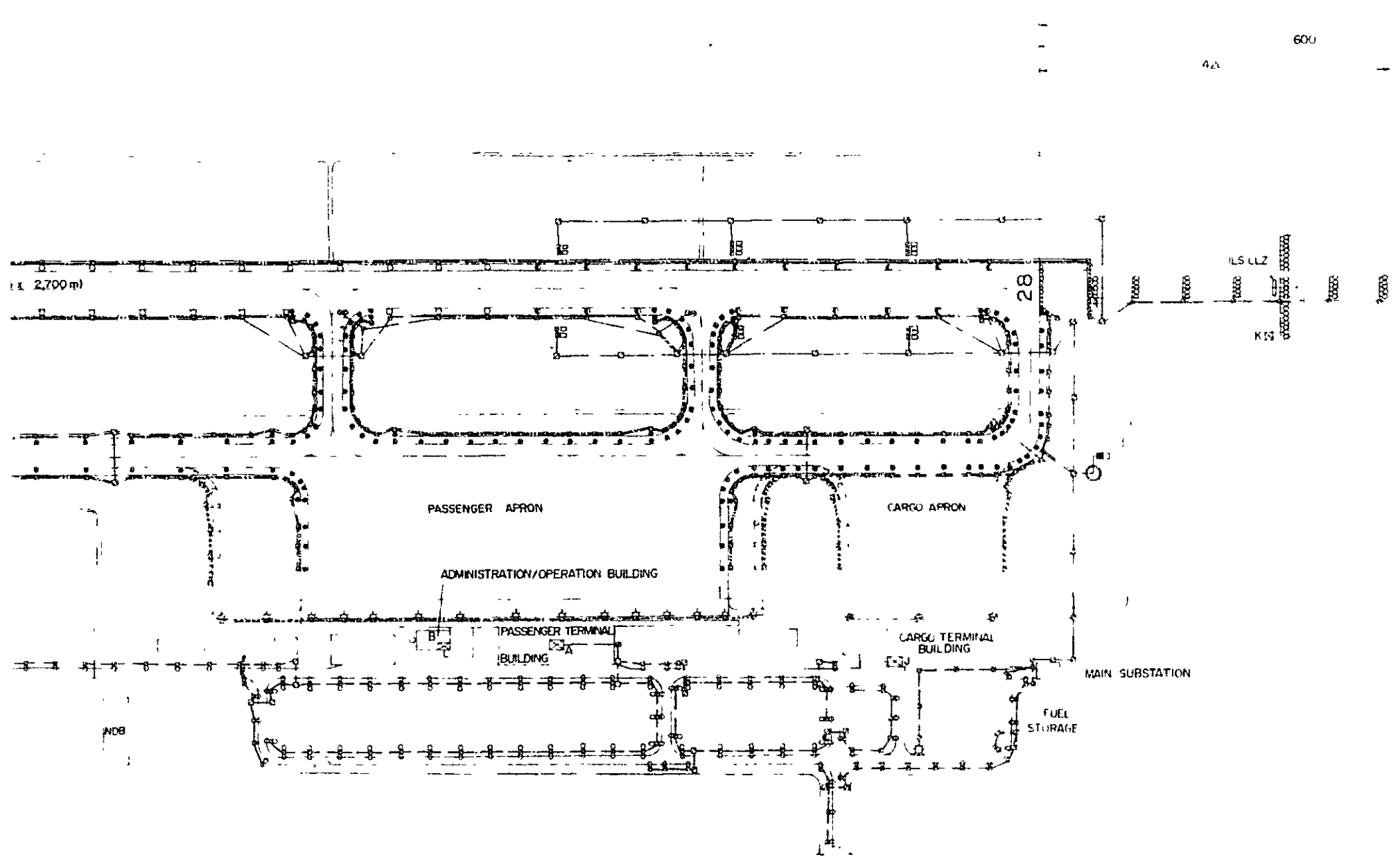
PASSENGER APRON

ADMINISTRATION/OPERATION BUILDING

PASSENGER TERMINAL
BUILDING

NOB





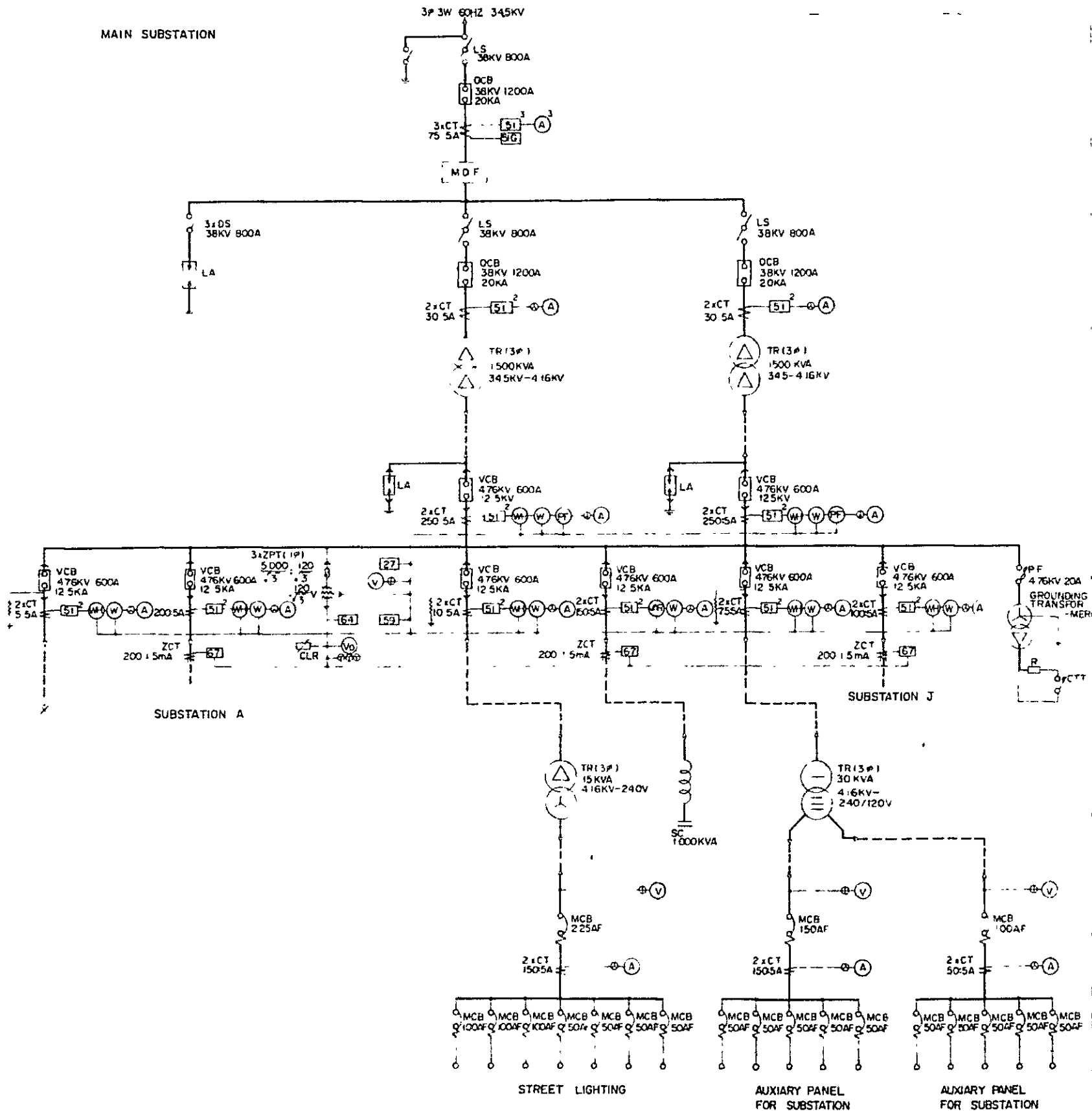
LIST OF AIRFIELD LIGHTING EQUIPMENT

APPROACH LIGHTS	○
VISUAL APPROACH SLIP (VAP) INDICATOR (VAP)	+
RUNWAY EDGE LIGHTS	●
OVER RUN LIGHTS	○
RUNWAY END LIGHTS	○
RUNWAY THRESHOLD LIGHT	○
TAXIWAY EDGE LIGHTS	●
AERODROME BEACON	○
APPROACH LIGHT BEACON	○
WIND DIRECTIONAL INDICATOR	○
APRON FLOOD LIGHT	○
SUBSTATION	○

REPUBLICA DE HONDURAS
SECRETARIA DE COMUNICACIONES
OBRAS PUBLICAS Y TRANSPORTE

NEW TEGUCIGALPA AIRPORT DEVELOPMENT
AIRFIELD LIGHTING SYSTEM STAGE I AUG 1979
STAGE II
LAYOUT PLAN
FEASIBILITY STUDY
JAPAN INTERNATIONAL COOPERATION AGENCY

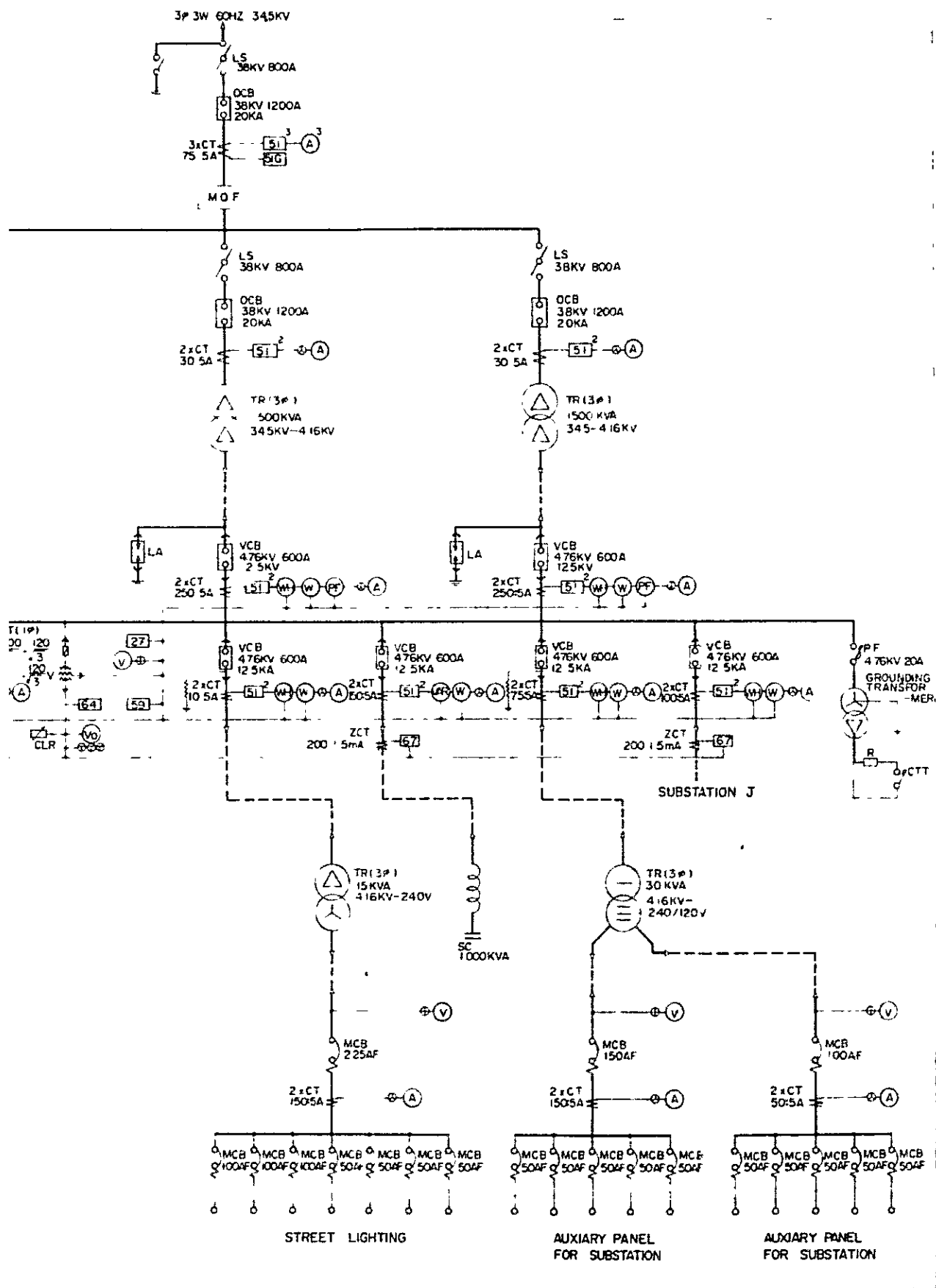
MAIN SUBSTATION



SYMBOLS

SYMBOL	DISCRIPTION	SYMBOL	DISCRIPTION
	OIL CIRCUIT BREAKER		OVER-CURRENT RELAY
	VACUUM CIRCUIT BREAKER		OVER-CURRENT GROUND RELAY
	MOLDED CASE CIRCUIT BREAKER		UNDER-VOLTAGE RELAY
	LINE SWITCH		OVER-VOLTAGE RELAY
	SINGLE POLE DISCONNECTING SWITCH		OVER-VOLTAGE GROUND RELAY
	ELECTRO-MAGNETIC CONTACTOR		A-C DIRECTIONAL OVERCURRENT RELAY
	SELF COUPLING DISCONNECTING DEVICE		
	POWER FUSE		
	TRANSFORMER		AUTOMATIC VOLTAGE REGULATOR
	POTENTIAL TRANSFORMER		AMMETER
	GROUNDING POTENTIAL TRANSFORMER		VOLTMETER
	CURRENT TRANSFORMER		WATTMETER
	ZERO-PHASE SEQUENCE CURRENT TRANSFORMER		WATT-HOUR METER
	LIGHTNING ARRESTER		POWER FACTOR METER
	ENCLOSE FUSE		ZERO-PHASE SEQUENCE VOLTMETER
	CABLE HEAD POWER CAPACITOR WITH SERIES REACTOR AND DISCHARGE COIL		FREQUENCY METER
	CURRENT LIMITING RESISTOR		EARTH FAULT INDICATING LAMP
	SURGE SUPPRESSOR		CHANGE OVER SWITCH FOR AMMETER
	RECTIFIER		CHANGE OVER SWITCH FOR VOLTMETER
	EARTH		METERING OUTFIT
	DIESEL ENGINE GENERATOR		RESISTOR FOR NEUTRAL GROUND
	SINGLE-PHASE		
	THREE-PHASE		

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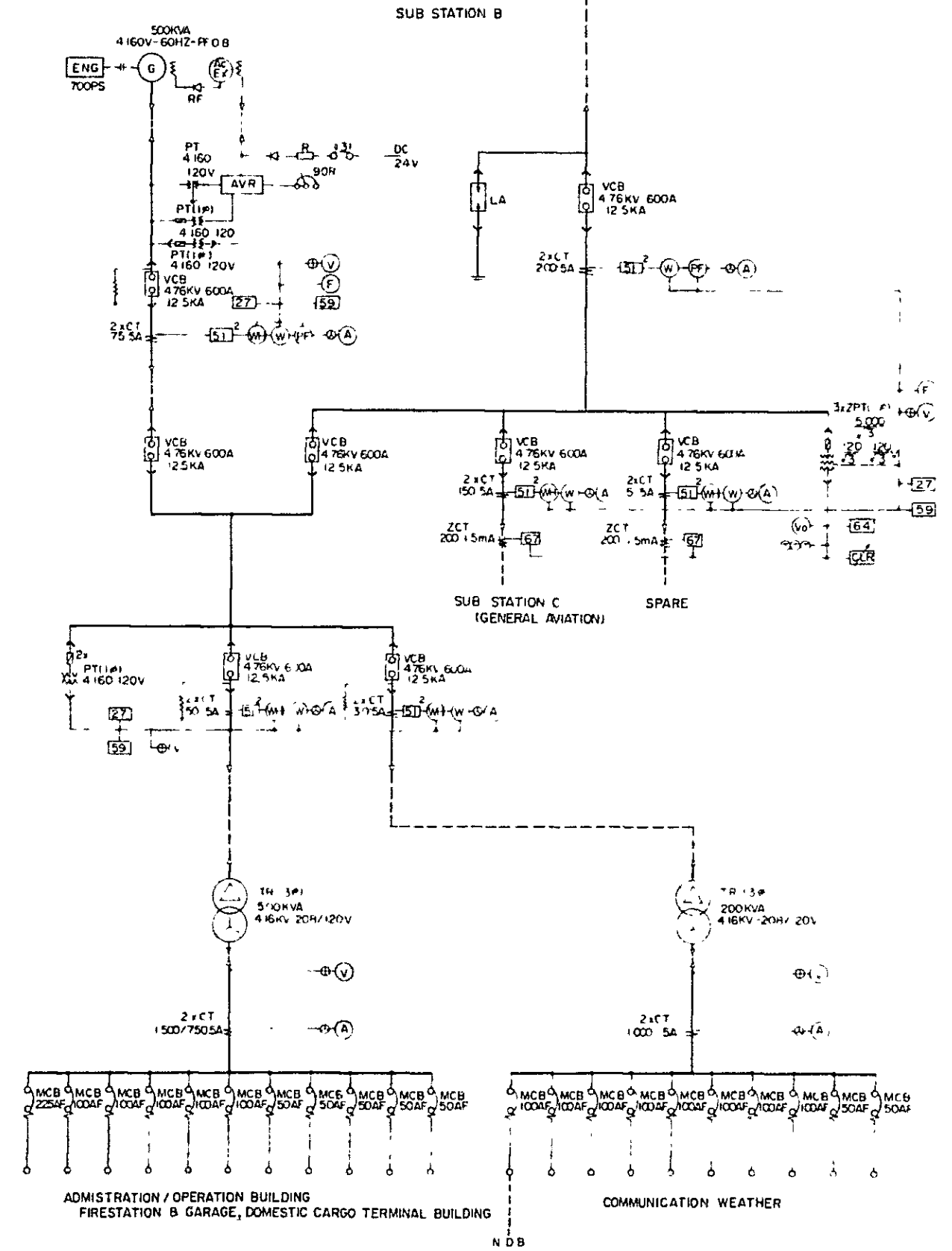
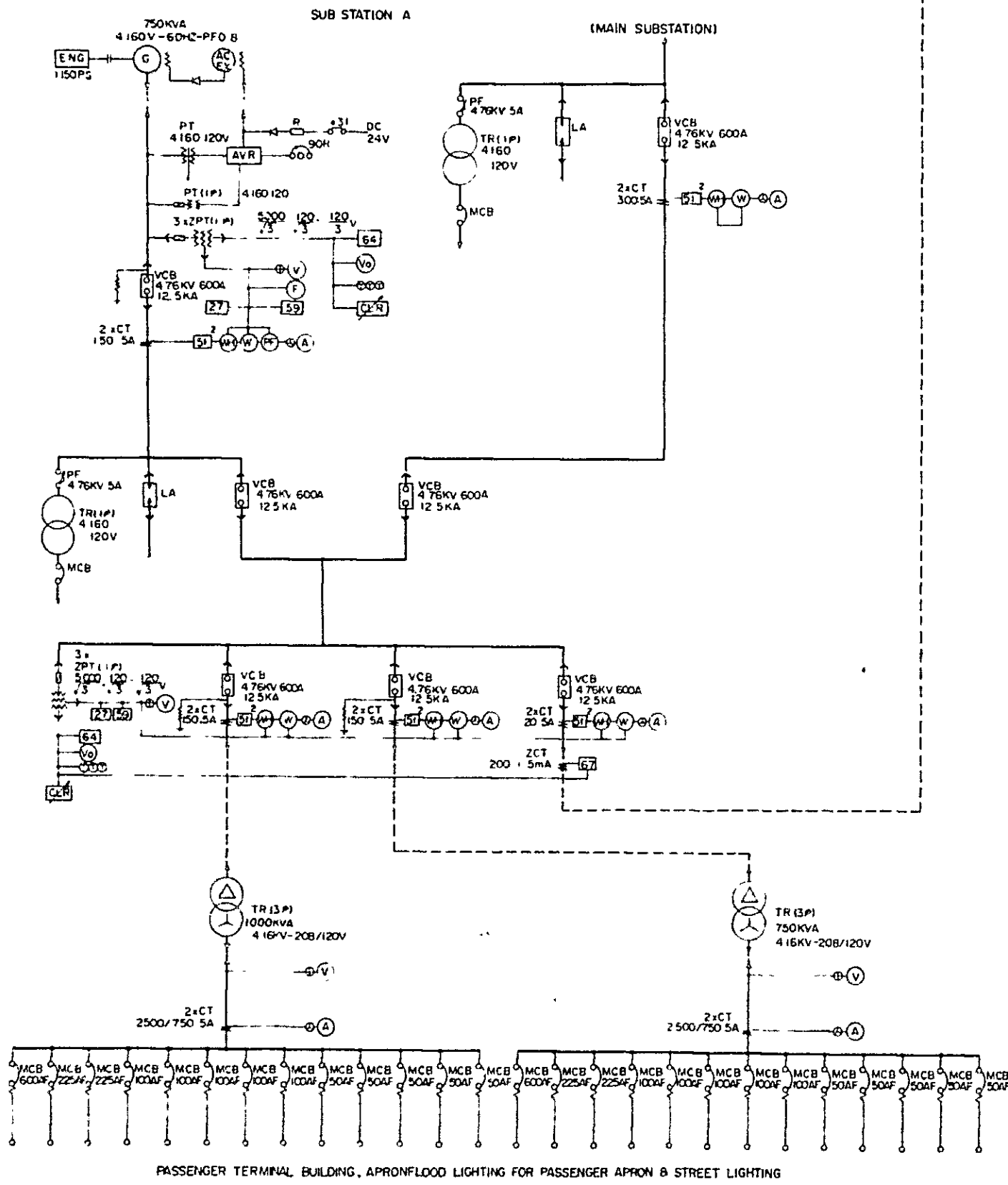


SYMBOLS

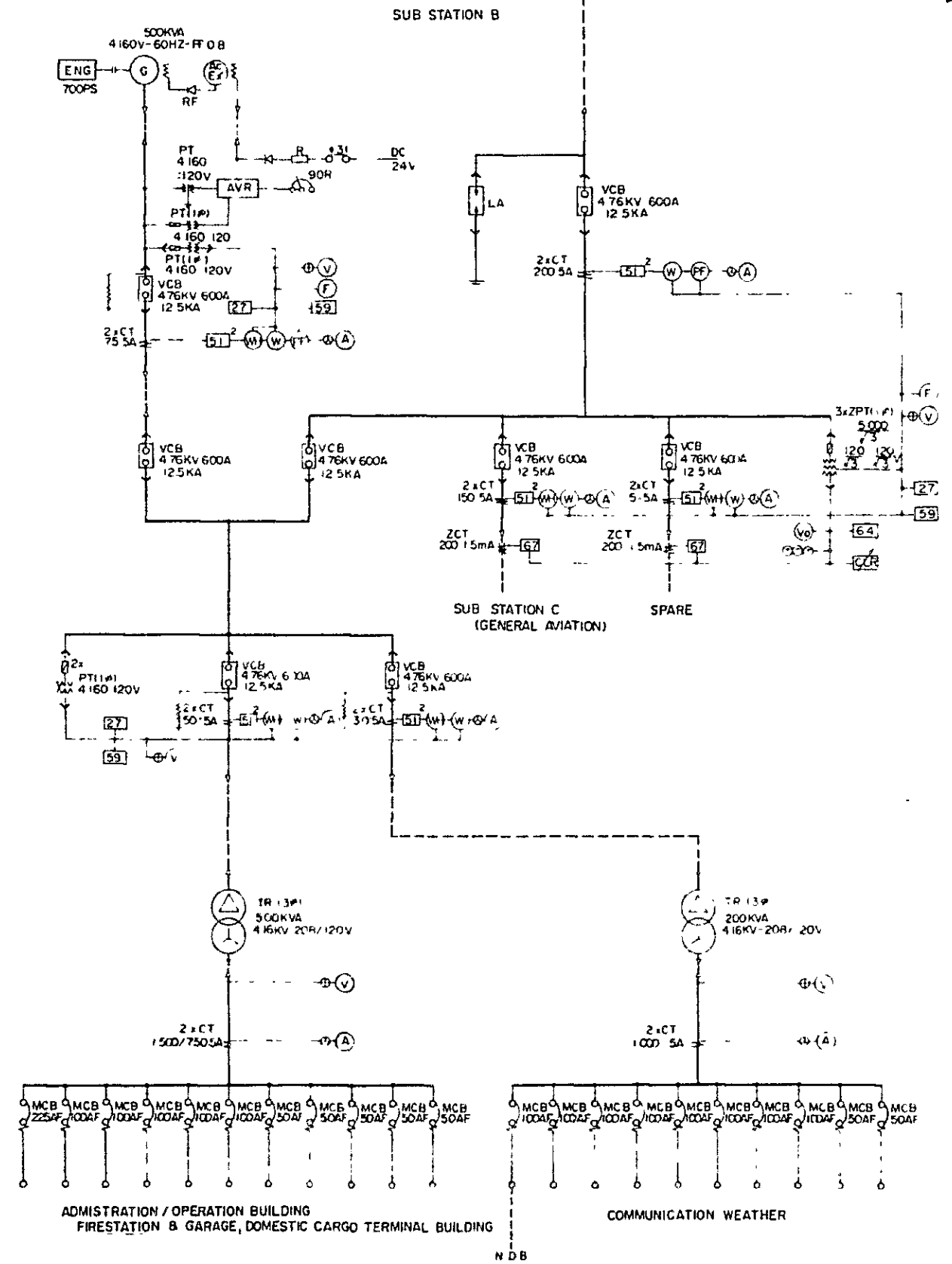
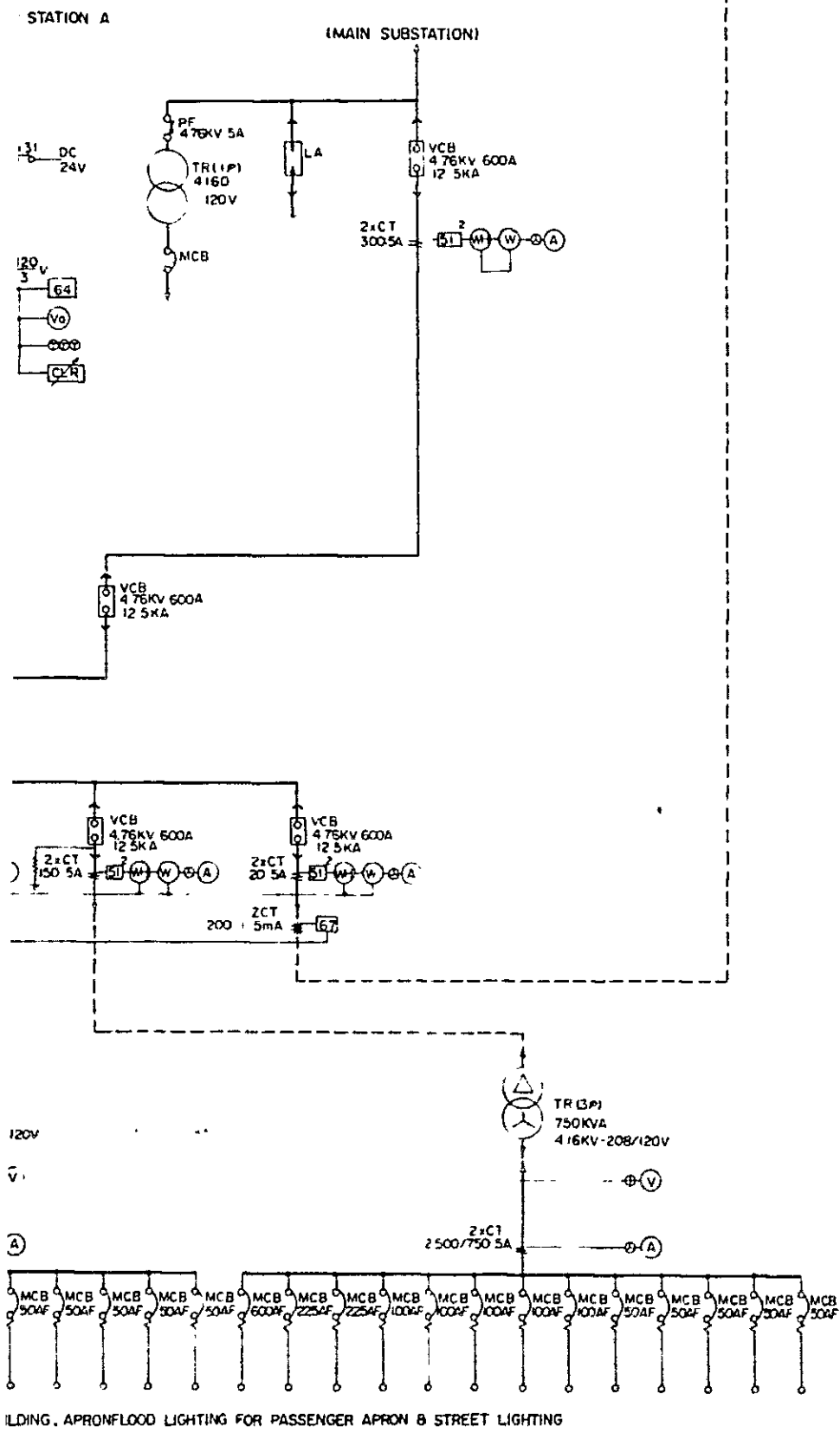
SYMBOL	DISCRIPTION	SYMBOL	DISCRIPTION
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			OVER-VOLTAGE GROUND RELAY
			A-C DIRECTIONAL OVERCURRENT RELAY
	MOLDED CASE CIRCUIT BREAKER		
	LINE SWITCH		
	SINGLE POLE DISCONNECTING SWITCH		
	ELECTRO-MAGNETIC CONTACTOR		
	SELF COUPLING DISCONNECTING DEVICE		
	POWER FUSE		
	TRANSFORMER		AUTOMATIC VOLTAGE REGULATOR
	POTENTIAL TRANSFORMER		AMMETER
	GROUNDING POTENTIAL TRANSFORMER		VOLTMETER
	CURRENT TRANSFORMER		WATTMETER
	ZERO-PHASE SEQUENCE CURRENT TRANSFORMER		WATT-HOUR METER
	LIGHTNING ARRESTER		POWER FACTOR METER
	ENCLOSE FUSE		ZERO-PHASE SEQUENCE VOLTMETER
	CABLE HEAD POWER CAPACITOR WITH SERIES REACTOR AND DISCHARGE COIL		FREQUENCY METER
	CURRENT LIMITING RESISTOR		EARTH FAULT INDICATING LAMP
	SURGE SUPPRESSOR		CHANGE OVER SWITCH FOR AMMETER
	RECTIFIER		CHANGE OVER SWITCH FOR VOLTMETER
	EARTH		METERING OUTFIT
	DIESEL ENGINE GENERATOR		RESISTOR FOR NEUTRAL GROUND NG
	SINGLE-PHASE		
	THREE-PHASE		

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 OBRAS PUBLICAS Y TRANSPORTE

 NEW TEGUCIGALPA AIRPORT DEVELOPMENT
 AIRFIELD LIGHTING SYSTEM STAGE I
 CONNECTION DIAGRAM - I STAGE II AUG 1979
 FEASIBILITY STUDY
 JAPAN INTERNATIONAL COOPERATION AGENCY



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REPUBLICA DE HONDURAS
SECRETARIA DE COMUNICACIONES
OBRAS PUBLICAS Y TRANSPORTE

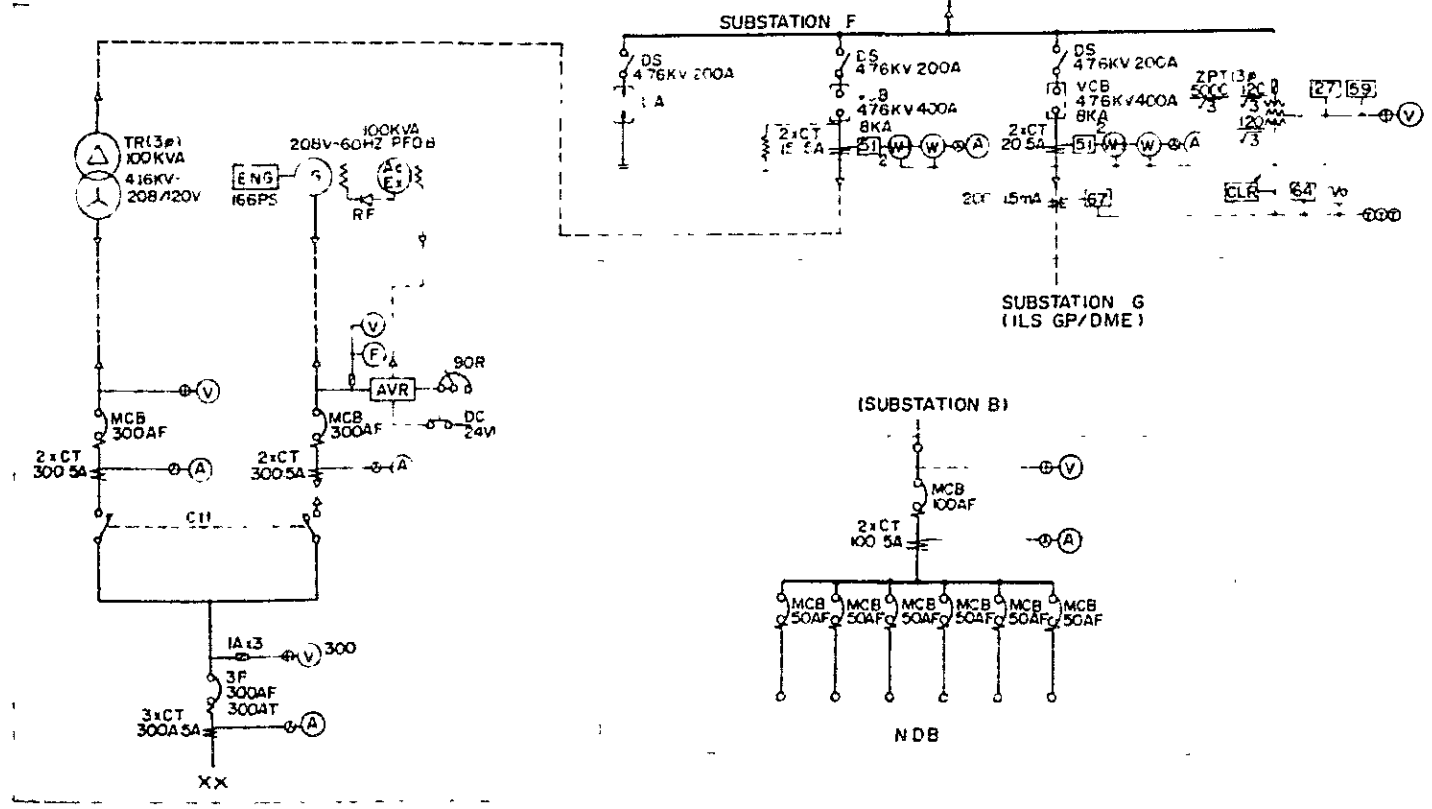
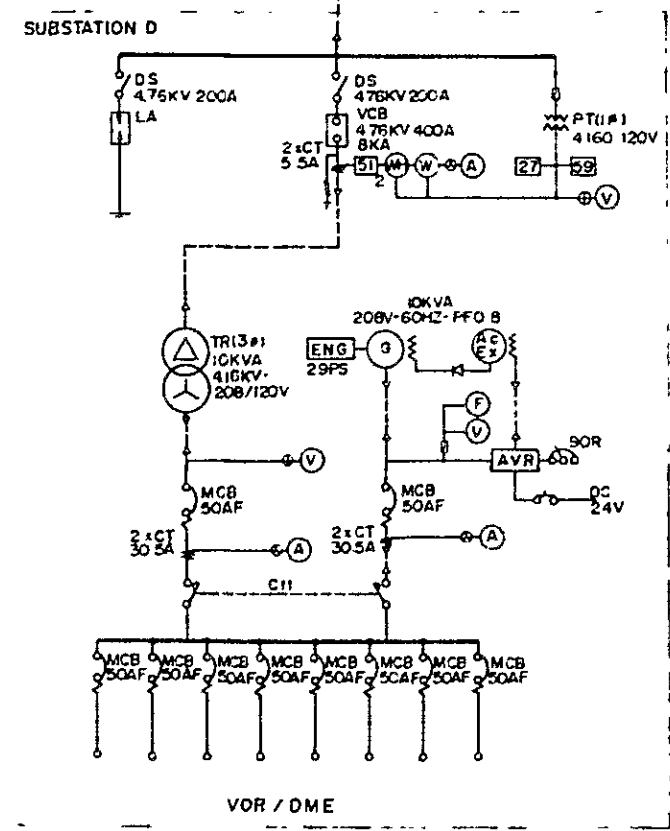
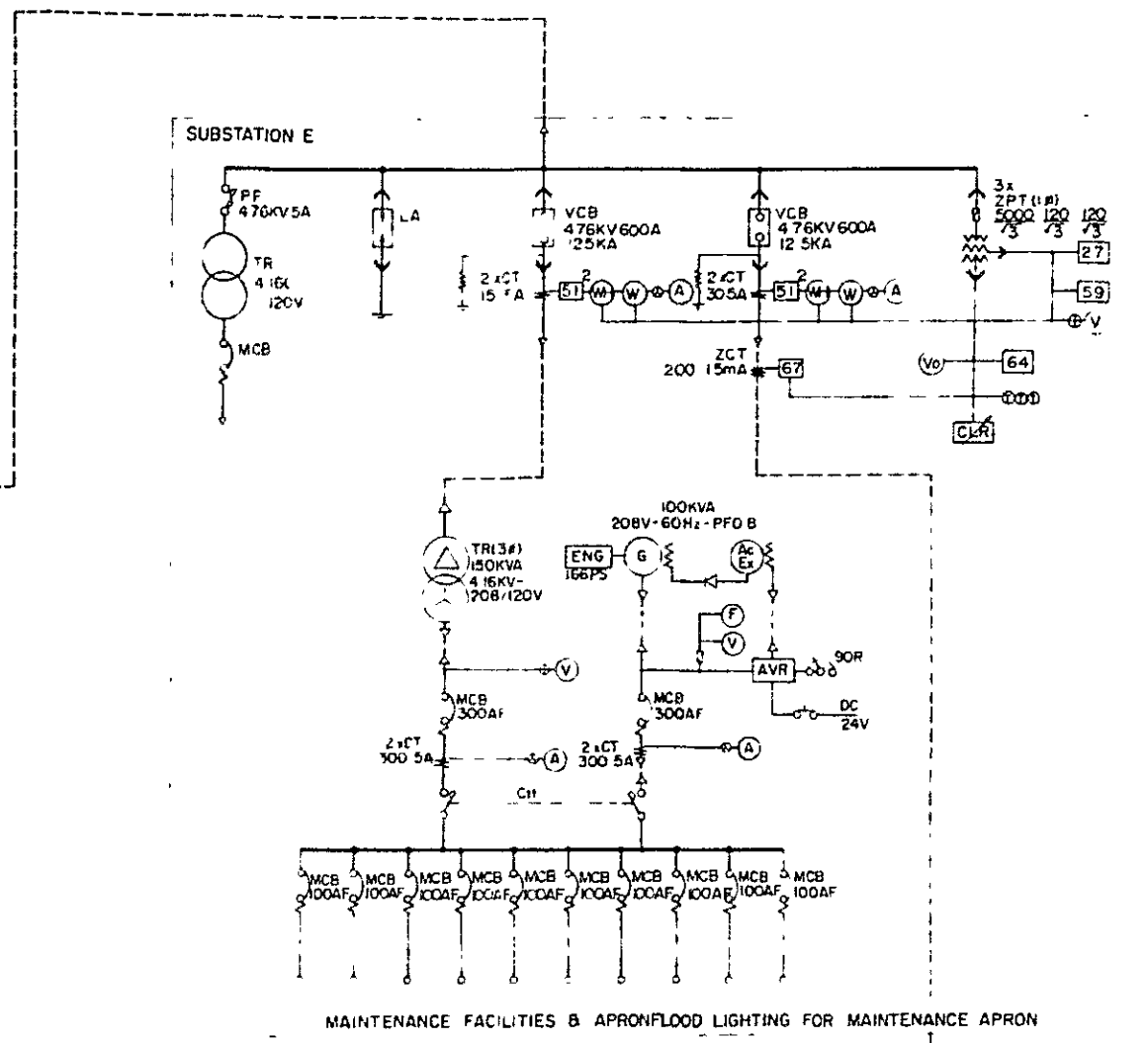
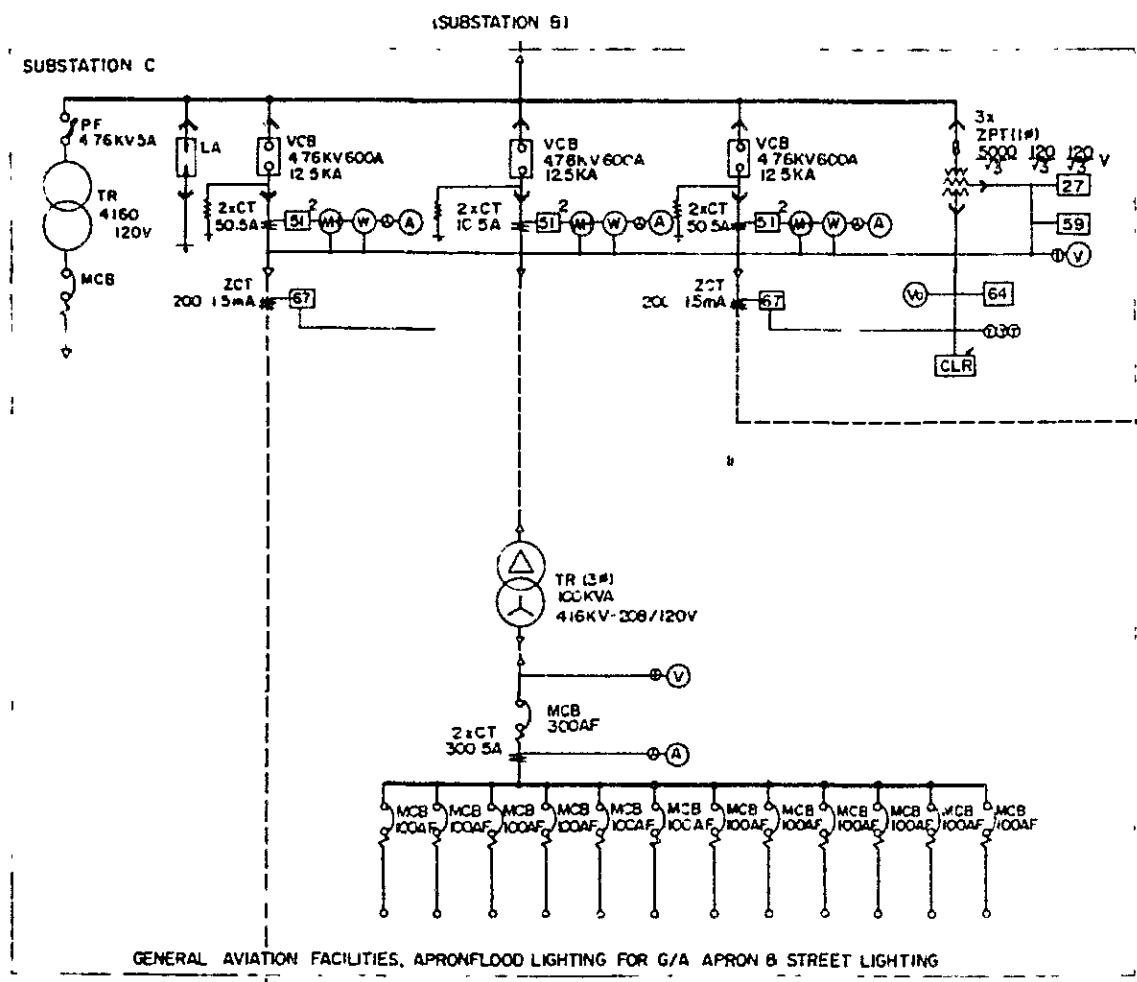
NEW TEGUCIGALPA AIRPORT DEVELOPMENT
AIRFIELD LIGHTING SYSTEM

STAGE I
STAGE II AUG 1979

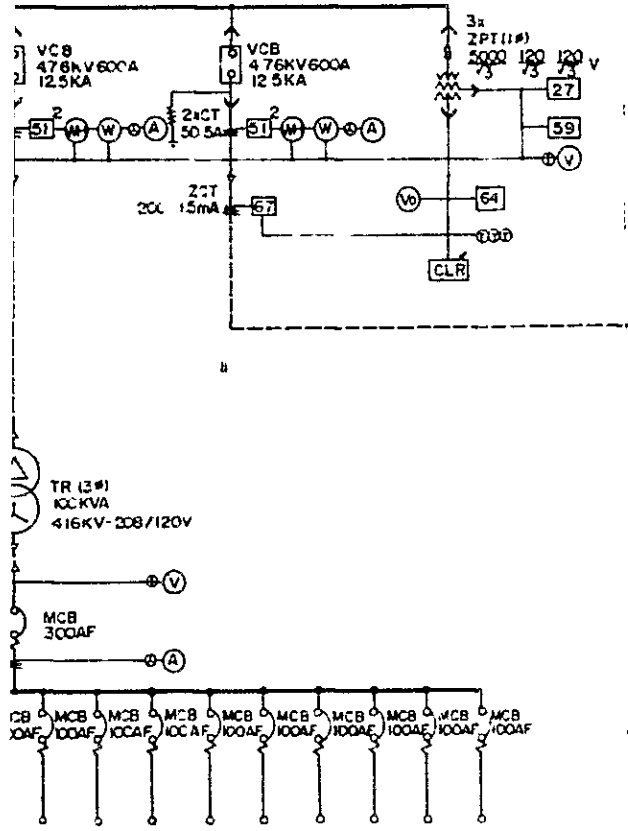
CONNECTION DIAGRAM - 2

FEASIBILITY STUDY

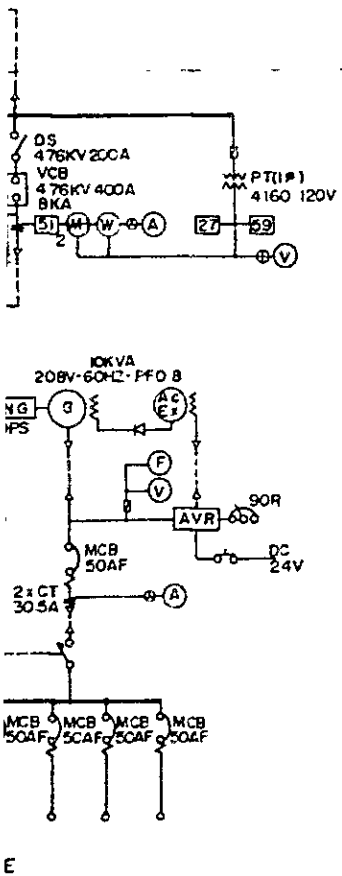
JAPAN INTERNATIONAL COOPERATION AGENCY



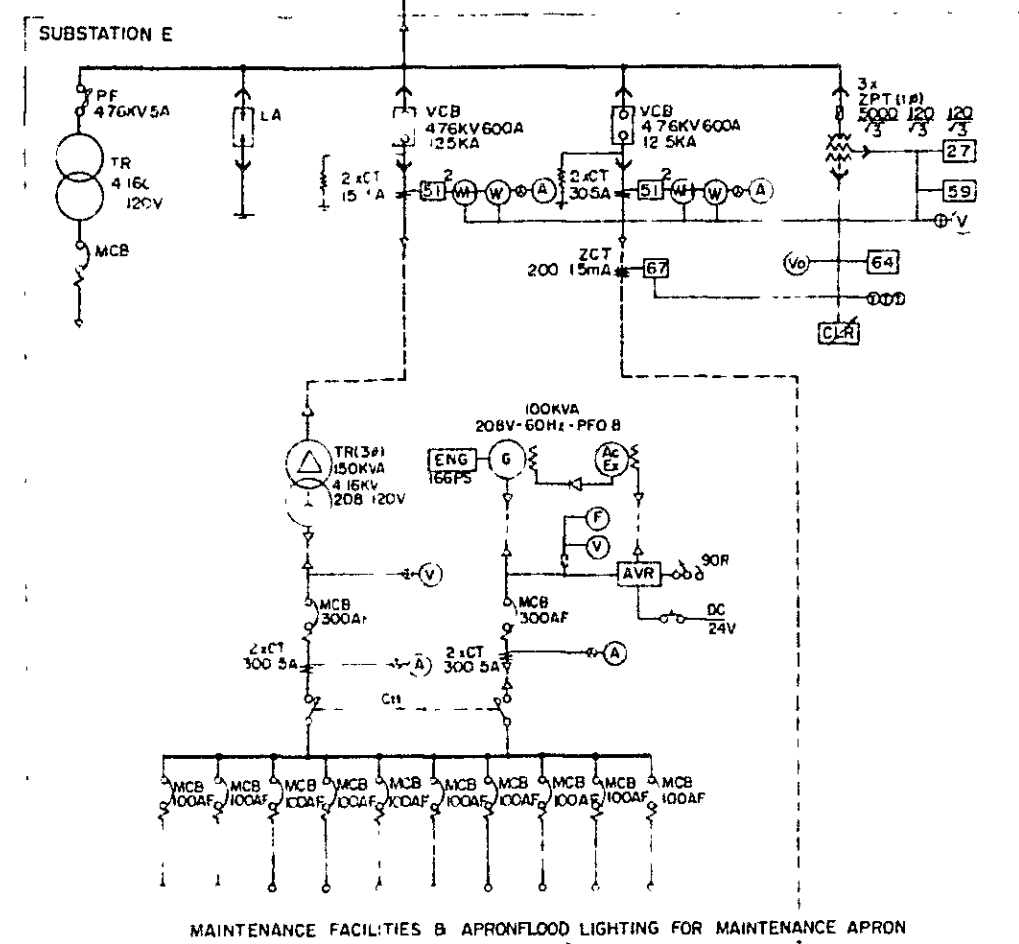
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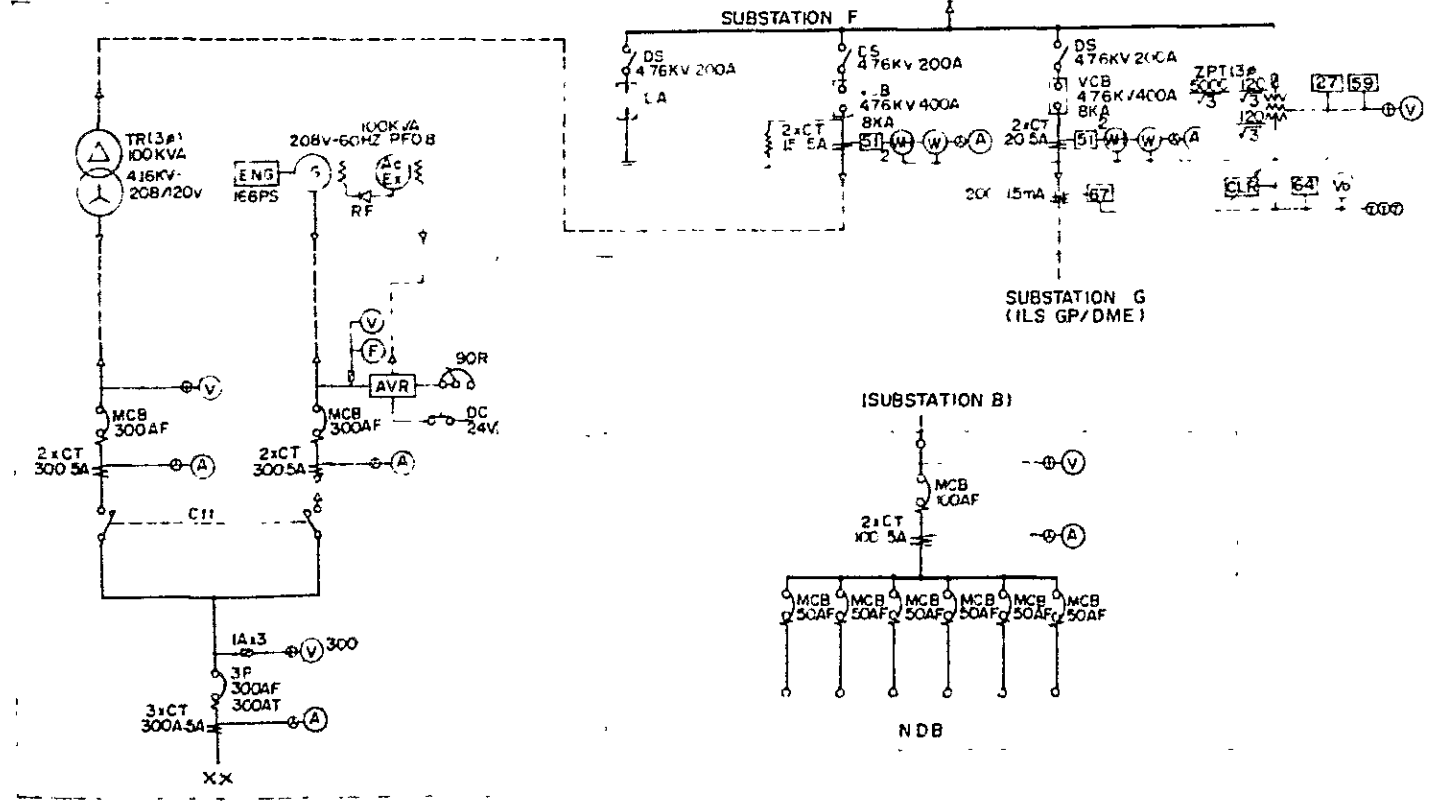
D LIGHTING FOR G/A APRON & STREET LIGHTING



E



MAINTENANCE FACILITIES & APRON FLOOD LIGHTING FOR MAINTENANCE APRON



SUBSTATION G (ILS GP/DME)

(SUBSTATION B)

N DB

REPUBLICA DE HONDURAS
 SECRETARIA DE COMUNICACIONES
 OBRAS PUBLICAS Y TRANSPORTE

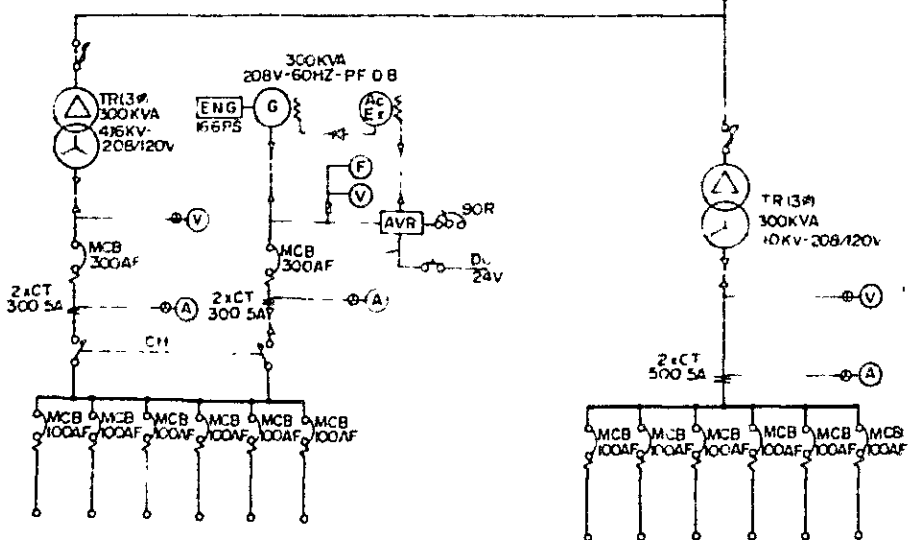
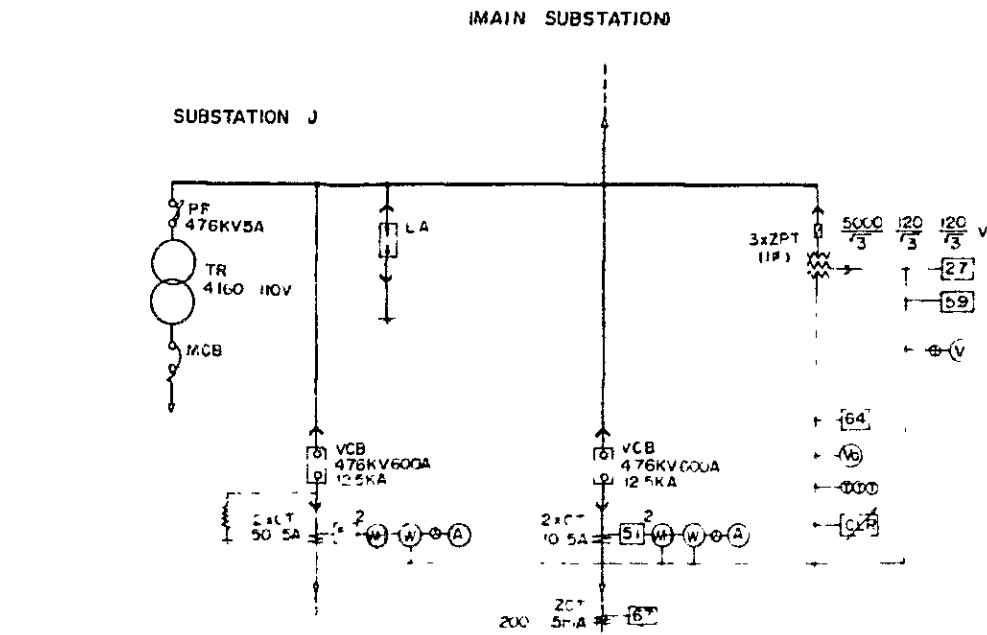
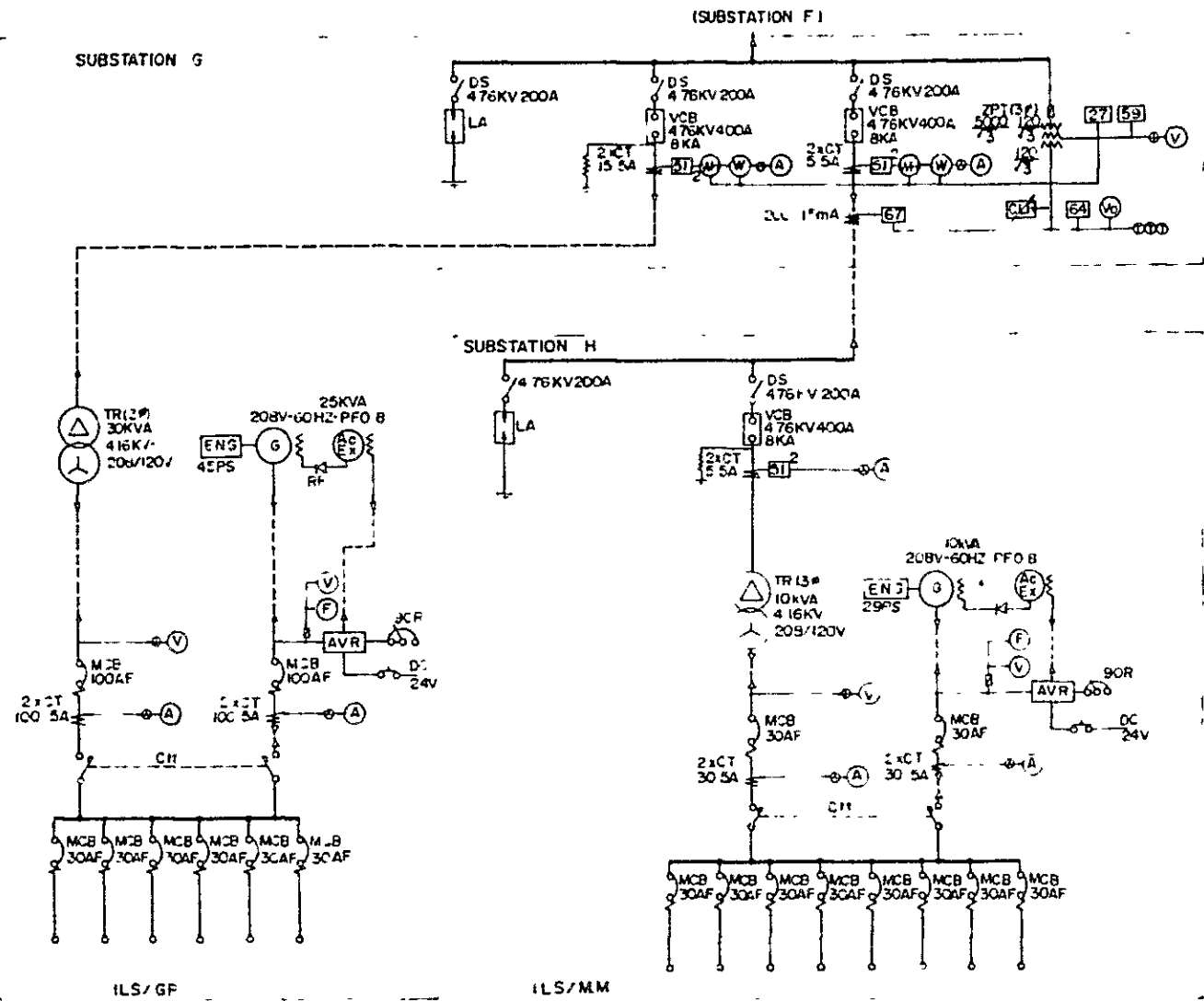
NEW TEGUCIGALPA AIRPORT DEVELOPMENT
 AIRFIELD LIGHTING SYSTEM

STAGE I
 STAGE II AUG 1979

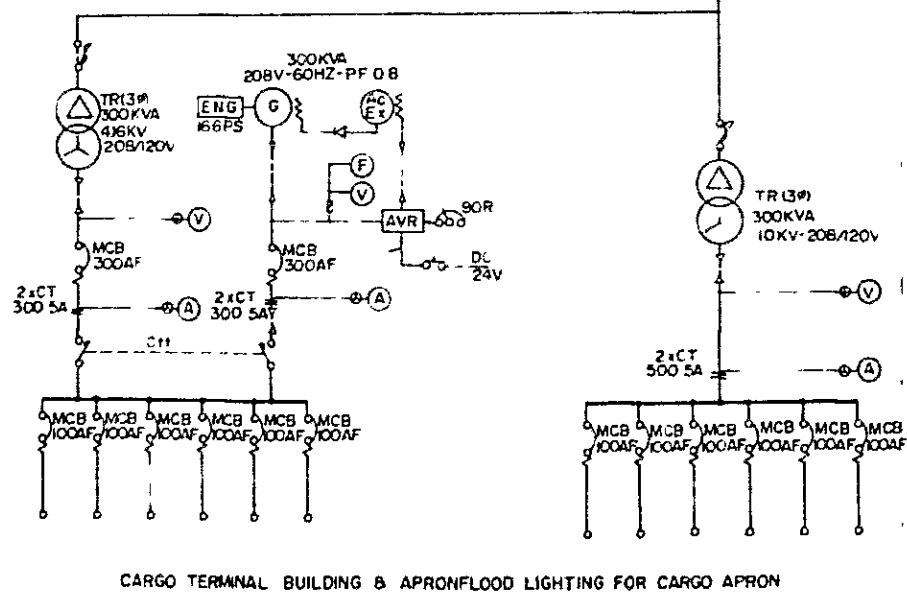
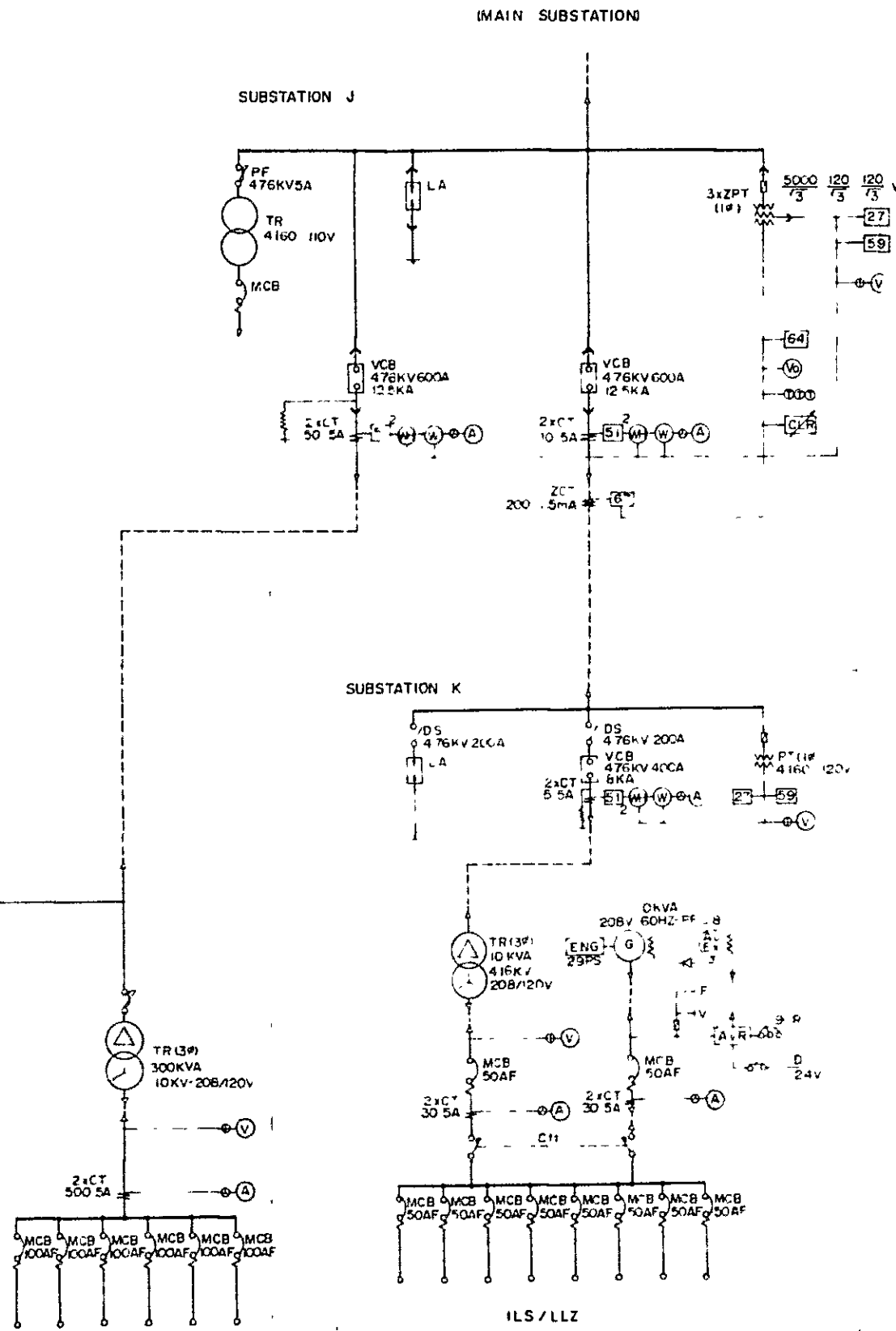
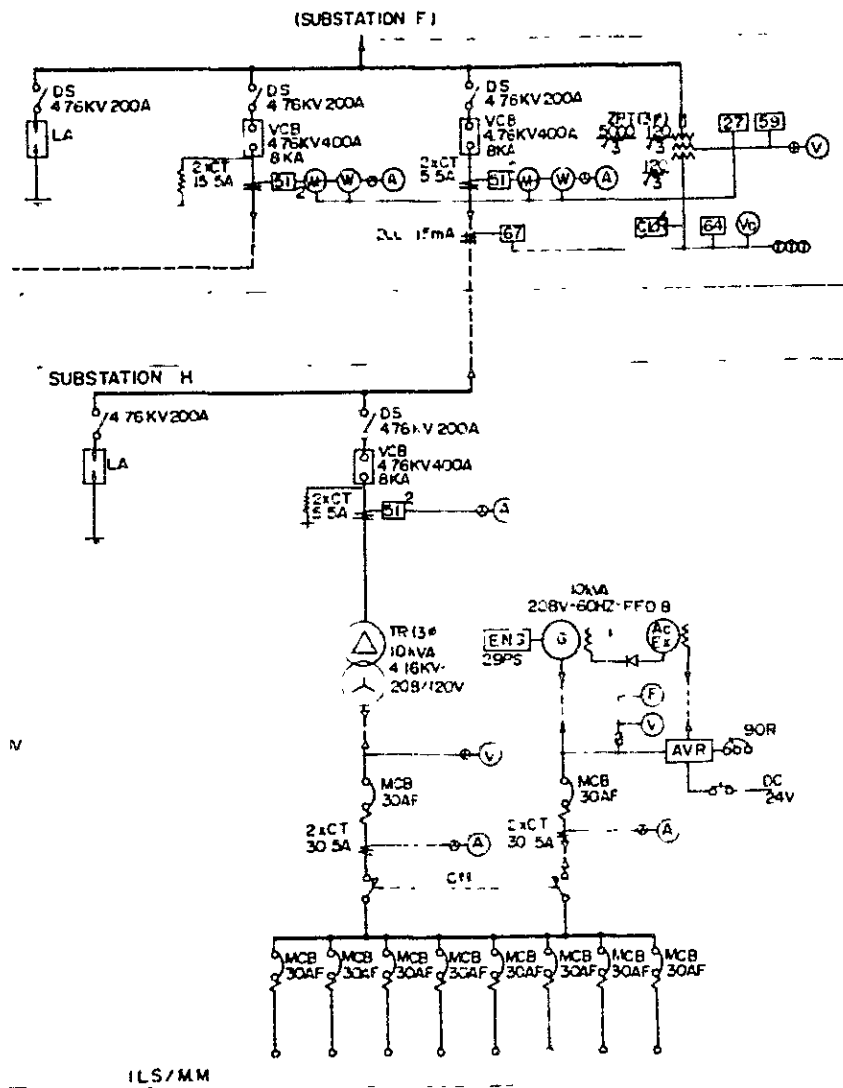
CONNECTION DIAGRAM - 3

FEASIBILITY STUDY

JAPAN INTERNATIONAL COOPERATION AGENCY



CARGO TERMINAL BUILDING & APRON FLOOD LIGHTING FOR CARGO APRON



CARGO TERMINAL BUILDING & APRON FLOOD LIGHTING FOR CARGO APRON

REPUBLICA DE HONDURAS
SECRETARIA DE COMUNICACIONES
OBRAS PUBLICAS Y TRANSPORTE

NEW TEGUCIGALPA AIRPORT DEVELOPMENT

AIRFIELD LIGHTING SYSTEM

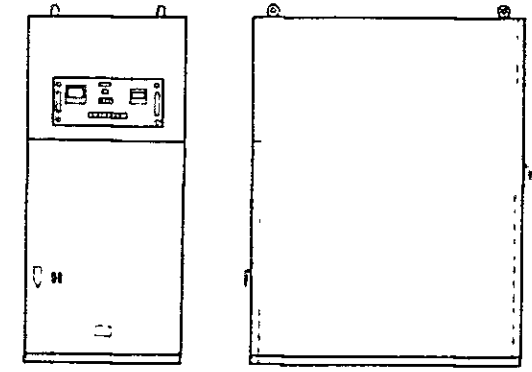
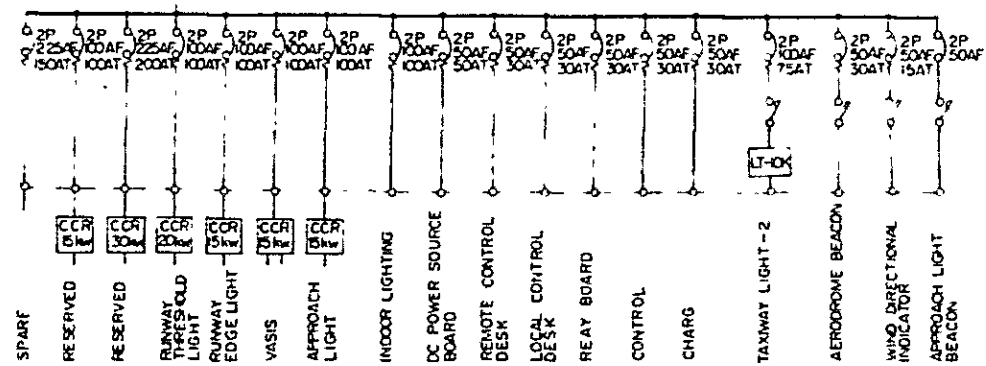
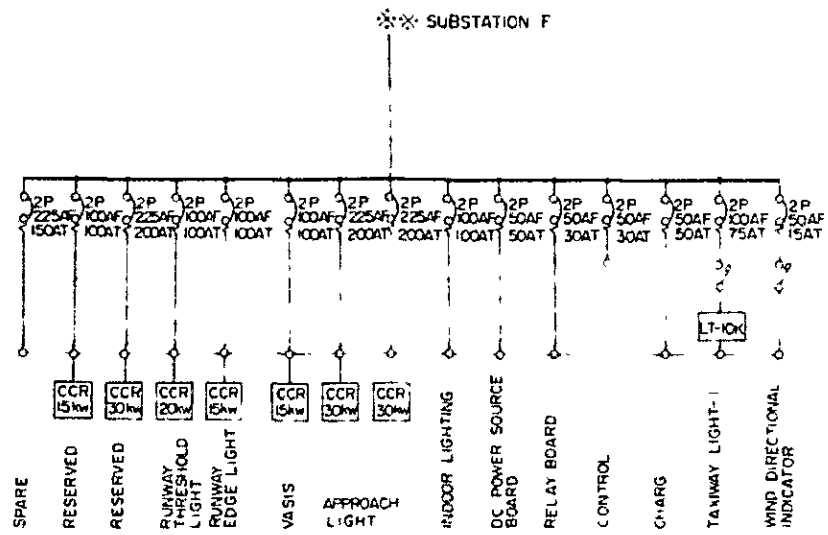
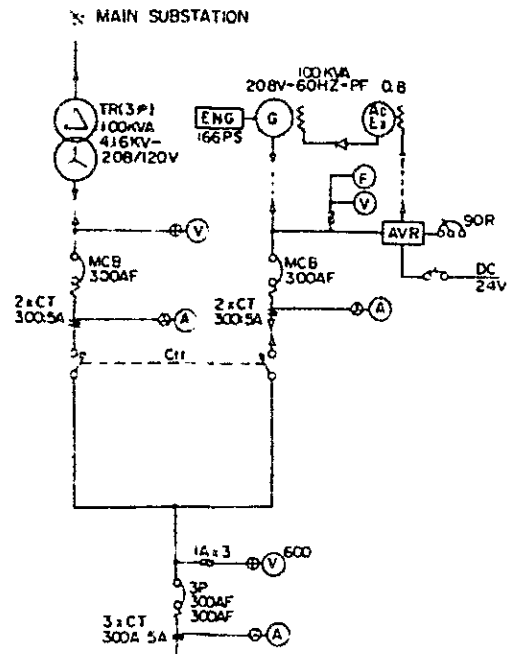
STAGE I
STAGE II AUG 1979

CONNECTION DIAGRAM - 4

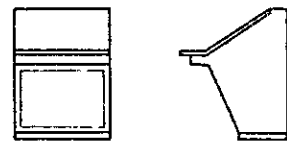
FEASIBILITY STUDY

30

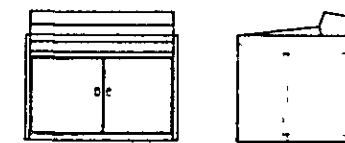
JAPAN INTERNATIONAL COOPERATION AGENCY



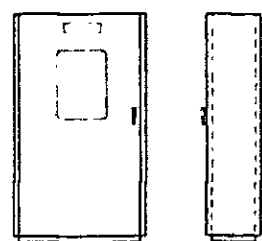
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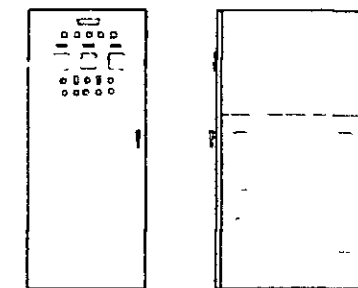
REMOTE CONTROL DESK (TOWER)



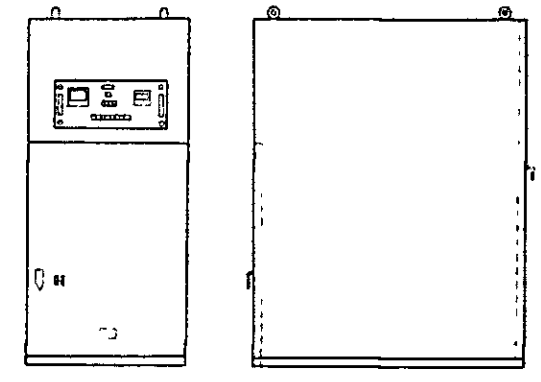
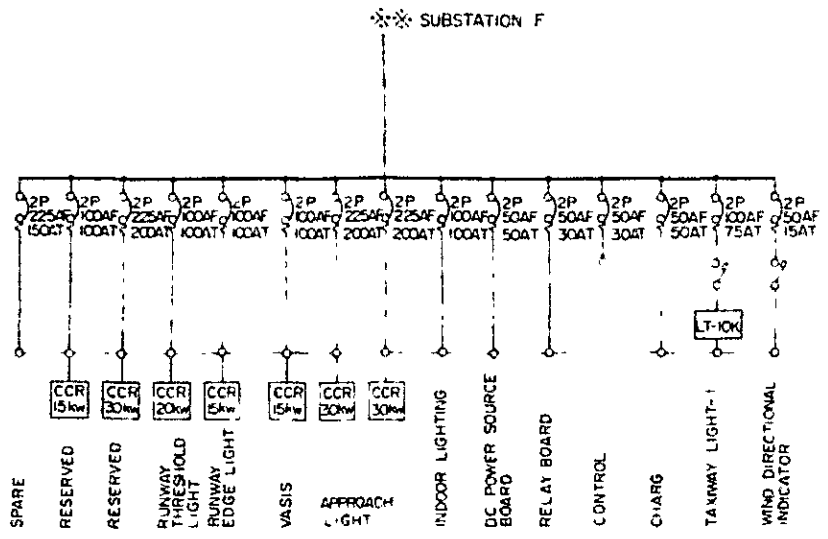
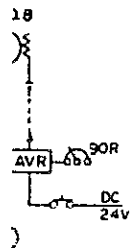
LOCAL CONTROL DESK



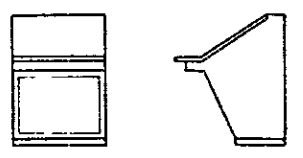
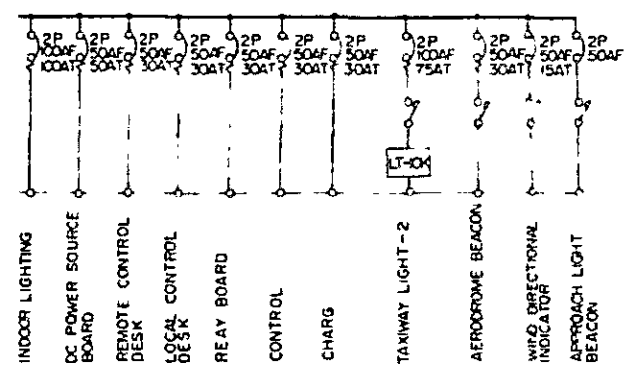
RELAY BOARD



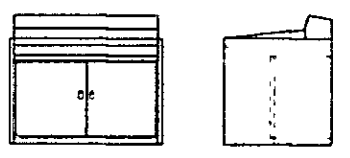
DC POWER SOURCE BOARD



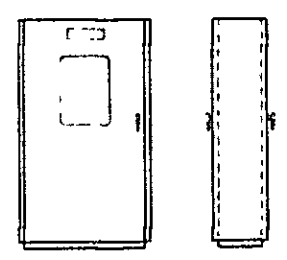
C.C.R.



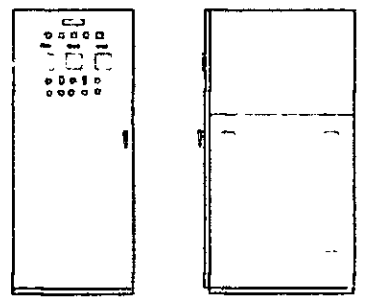
REMOTE CONTROL DESK (TOWER)



LOCAL CONTROL DESK



RELAY BOARD

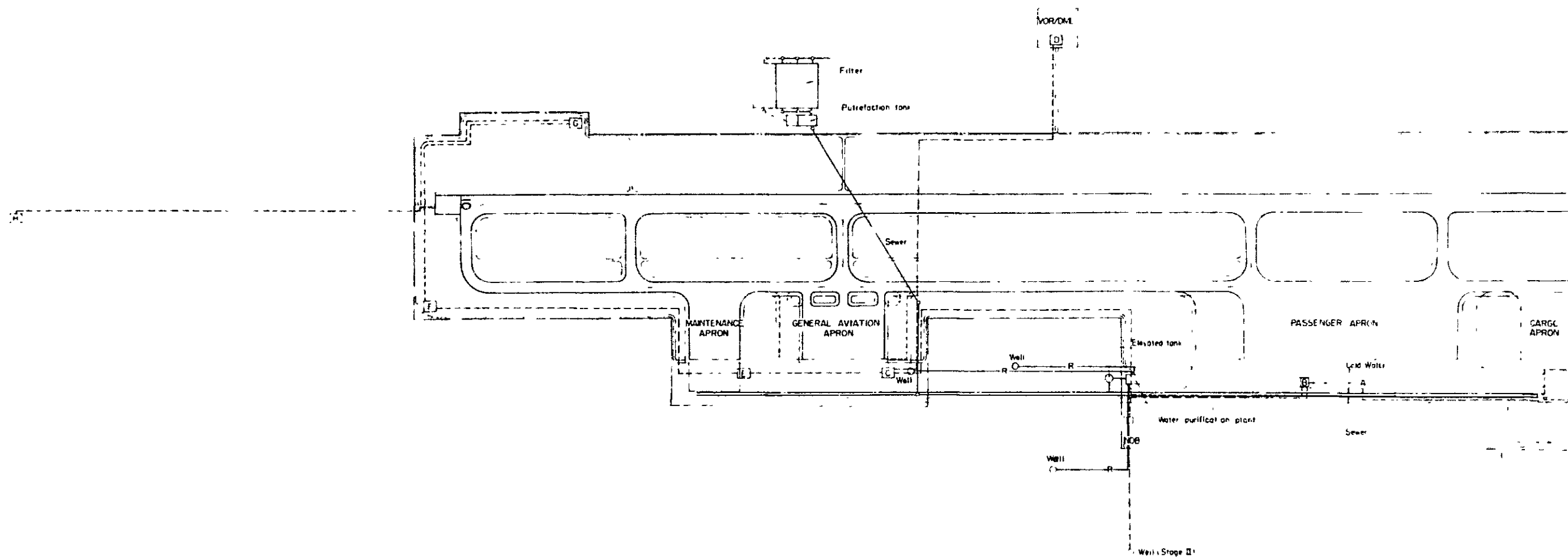


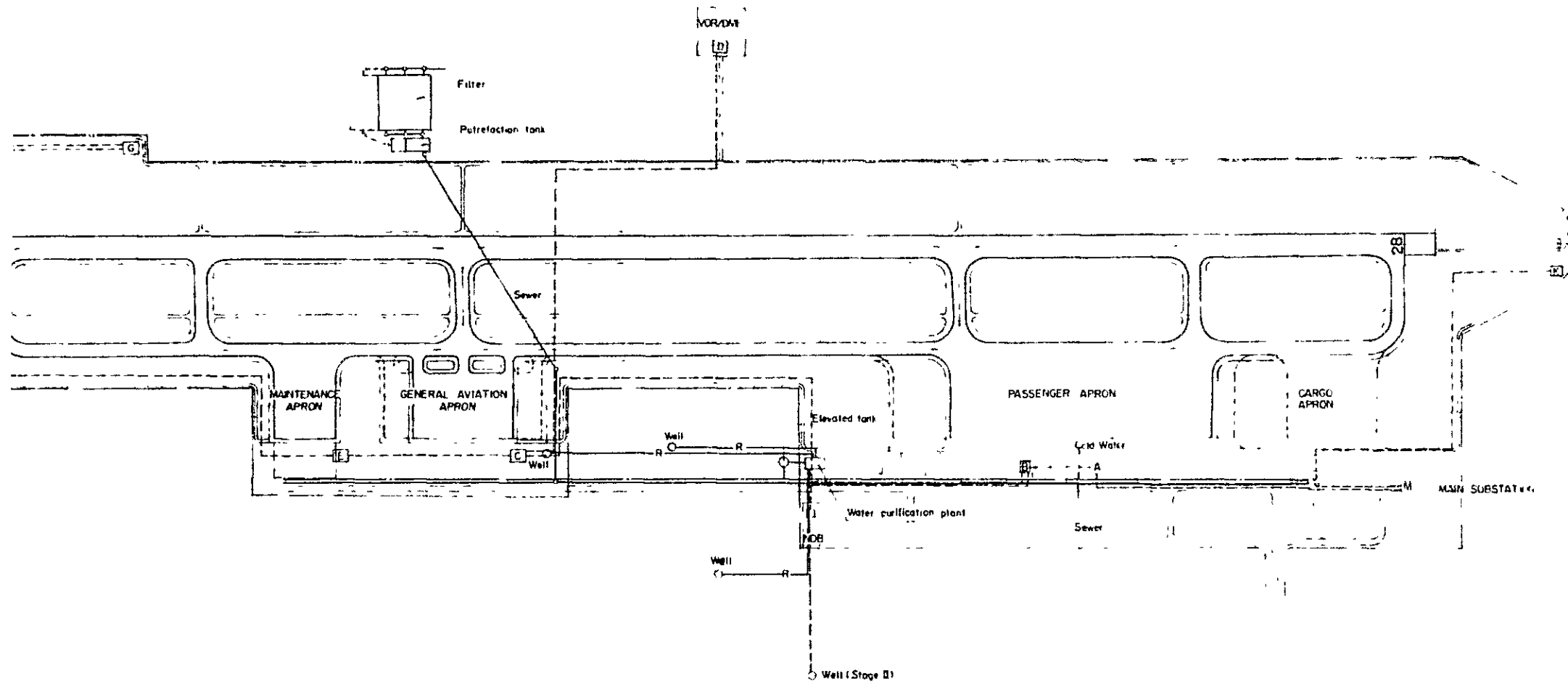
DC POWER SOURCE BOARD

REPUBLICA DE HONDURAS
 SECRETARIA DE COMUNICACIONES
 OBRAS PUBLICAS Y TRANSPORTE

NEW TEGUCIGALPA AIRPORT DEVELOPMENT
 AIRFIELD LIGHTING SYSTEM STAGE I AUG.1979
 CONNECTION DIAGRAM - 5 STAGE II

FEASIBILITY STUDY 31
 JAPAN INTERNATIONAL COOPERATION AGENCY

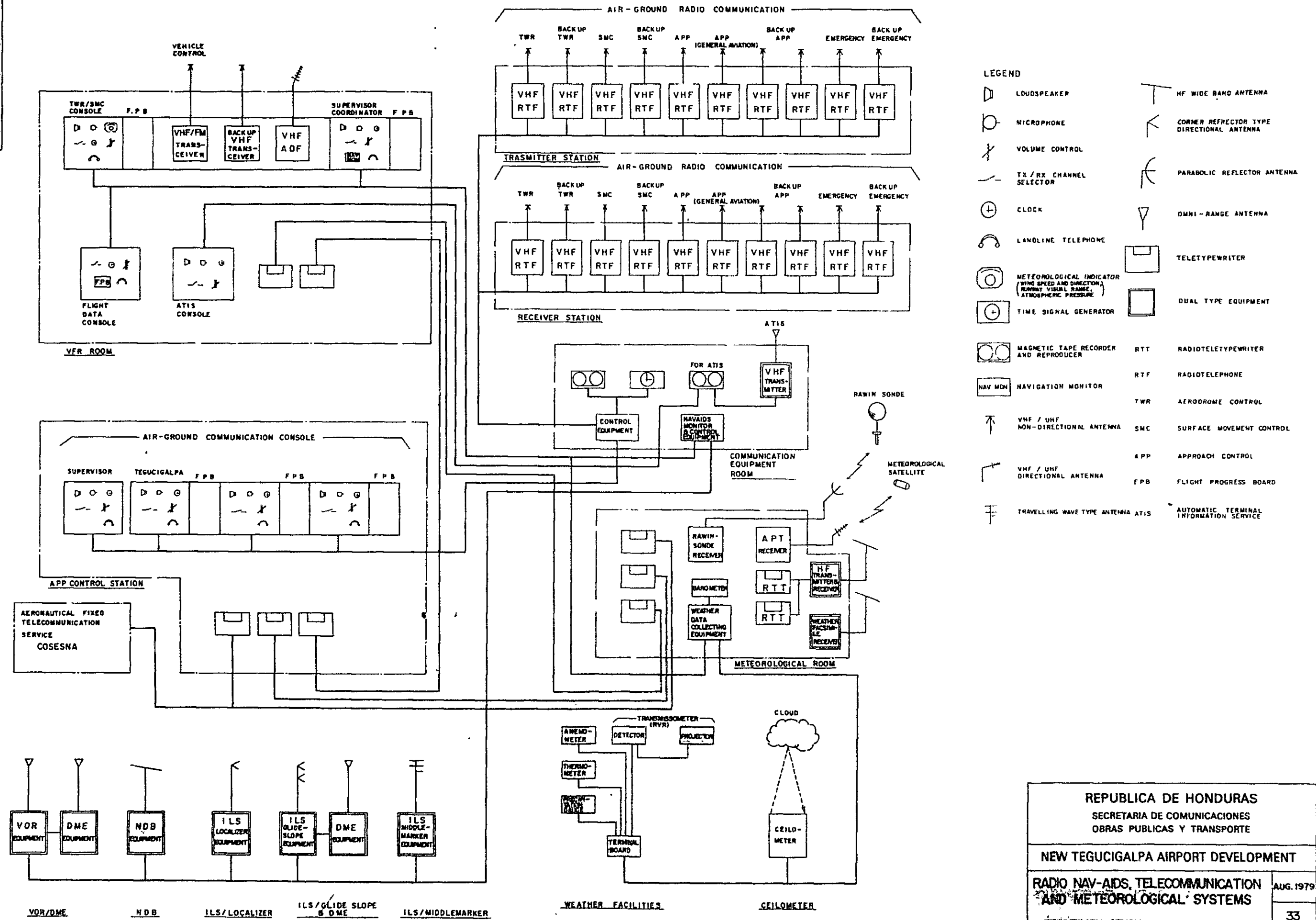




REPUBLICA DE HONDURAS
 SECRETARIA DE COMUNICACIONES
 OBRAS PUBLICAS Y TRANSPORTE

 NEW TEGUCIGALPA AIRPORT DEVELOPMENT

 UTILITY PLAN AUG 1979
 FEASIBILITY STUDY 32
 JAPAN INTERNATIONAL COOPERATION AGENCY



- LEGEND**
- LOUDSPEAKER
 - MICROPHONE
 - VOLUME CONTROL
 - TX / RX CHANNEL SELECTOR
 - CLOCK
 - LANDLINE TELEPHONE
 - METEOROLOGICAL INDICATOR (WIND SPEED AND DIRECTION, RUNWAY VISUAL RANGE, ATMOSPHERIC PRESSURE)
 - TIME SIGNAL GENERATOR
 - MAGNETIC TAPE RECORDER AND REPRODUCER
 - NAV MON
 - VHF / UHF NON-DIRECTIONAL ANTENNA
 - VHF / UHF DIRECTIONAL ANTENNA
 - TRAVELLING WAVE TYPE ANTENNA
 - HF WIDE BAND ANTENNA
 - CORNER REFLECTOR TYPE DIRECTIONAL ANTENNA
 - PARABOLIC REFLECTOR ANTENNA
 - OMNI-RANGE ANTENNA
 - TELETYPEWRITER
 - DUAL TYPE EQUIPMENT
 - RTT RADIOTELETYPEWRITER
 - RTF RADIOTELEPHONE
 - TWR AERODROME CONTROL
 - SMC SURFACE MOVEMENT CONTROL
 - APP APPROACH CONTROL
 - FPB FLIGHT PROGRESS BOARD
 - ATIS AUTOMATIC TERMINAL INFORMATION SERVICE

REPUBLICA DE HONDURAS
 SECRETARIA DE COMUNICACIONES
 OBRAS PUBLICAS Y TRANSPORTE

NEW TEGUCIGALPA AIRPORT DEVELOPMENT

RADIO NAV-AIDS, TELECOMMUNICATION
 AND METEOROLOGICAL SYSTEMS

FEASIBILITY STUDY

JAPAN INTERNATIONAL COOPERATION AGENCY

AUG. 1979

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