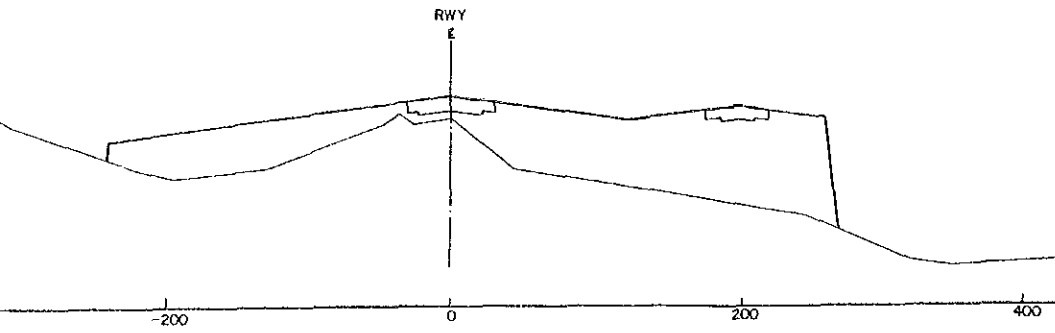


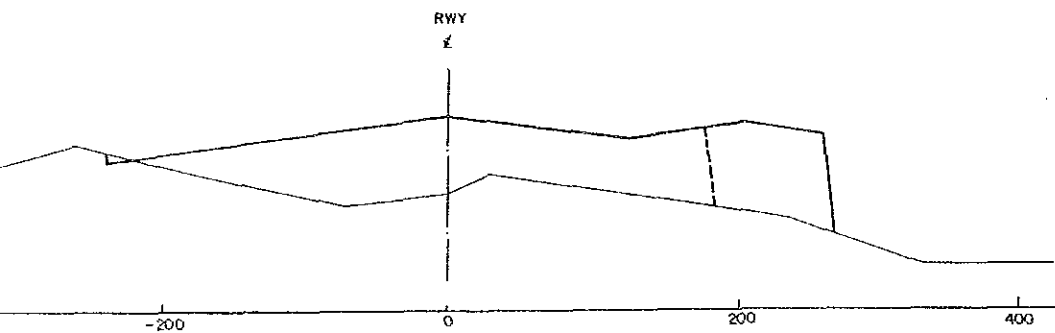
PEOPLE'S R
FEASIB
THE CONST
WUHAN/T
CROSS
(A
SCALE: V=1:200
H=1:2500
JAPAN INTERNATION

Appendix 7-1 Drawings of Airfield Facilities
(12) Cross Section (1/5)

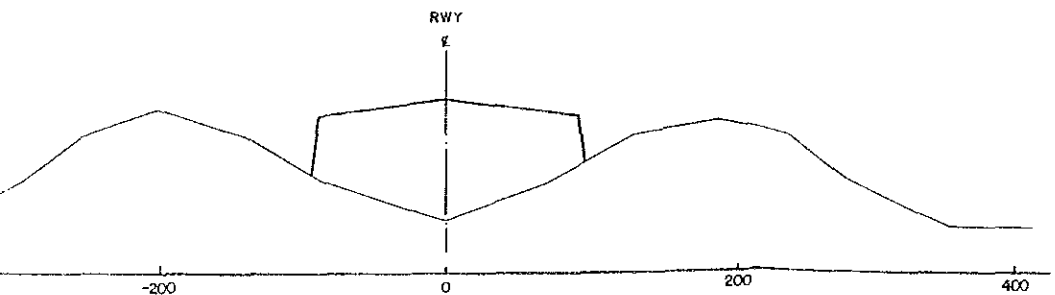
NO. 1 + 0.0
 V = 1:200
 H = 1:2500
 GH = 30.34
 FH = 31.38



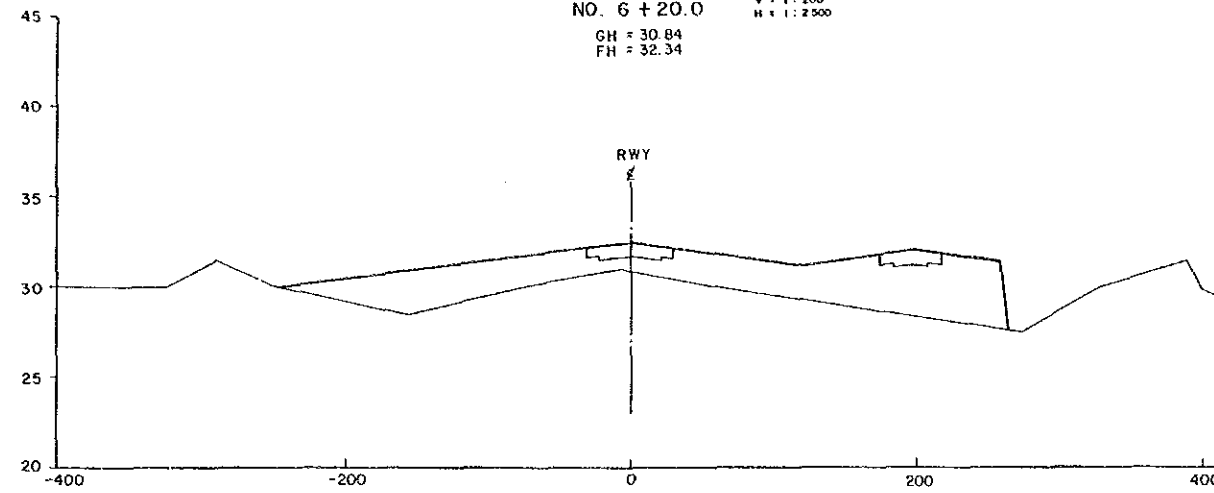
NO. -1 - 10.0
 V = 1:200
 H = 1:2500
 GH = 26.46
 FH = 30.58



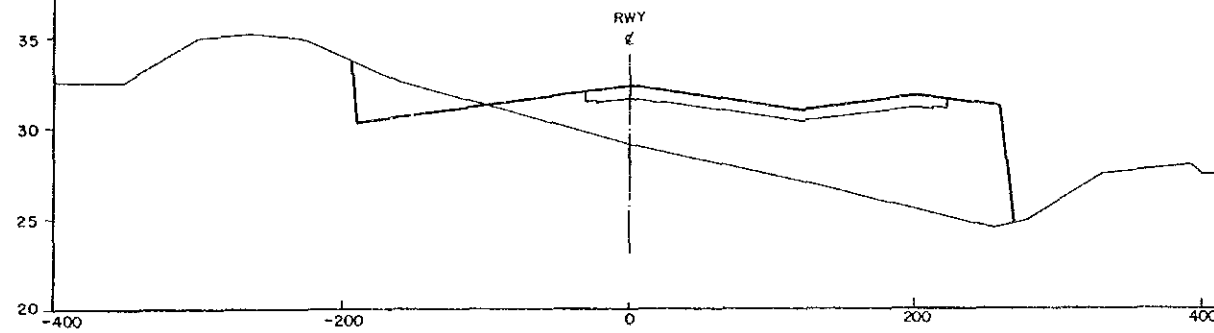
NO. -3 - 20.0
 V = 1:200
 H = 1:2500
 GH = 22.94
 FH = 29.40



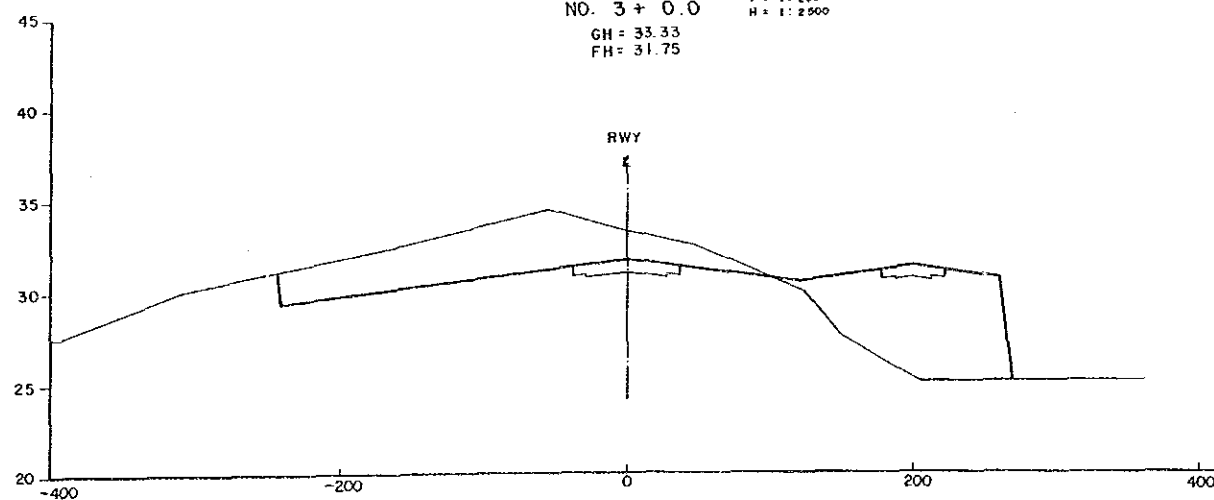
NO. 6 + 20.0
 V = 1:200
 H = 1:2500
 GH = 30.84
 FH = 32.34



NO. 5 + 0.0
 V = 1:200
 H = 1:2500
 GH = 29.11
 FH = 32.12



NO. 3 + 0.0
 V = 1:200
 H = 1:2500
 GH = 33.33
 FH = 31.75



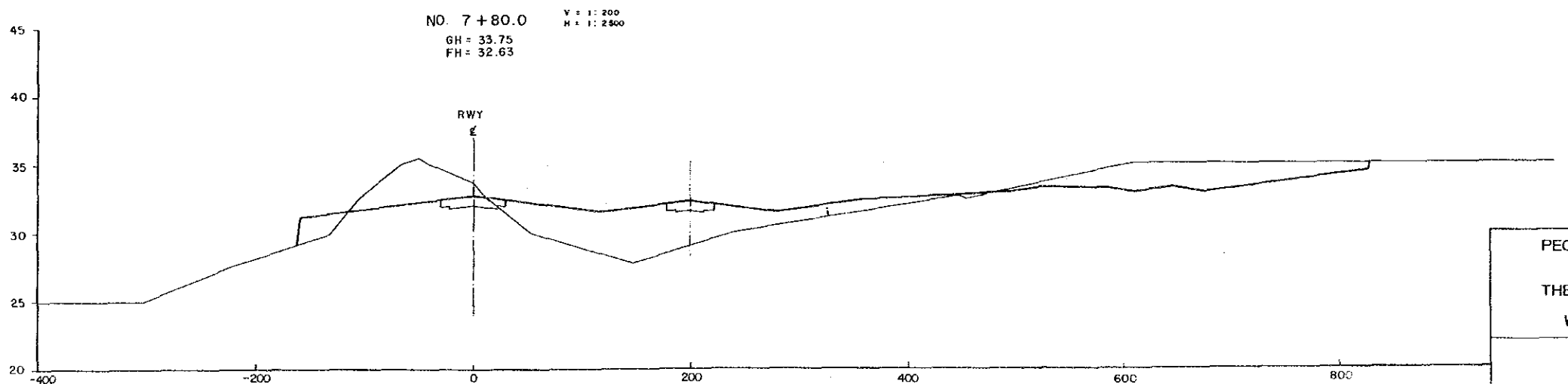
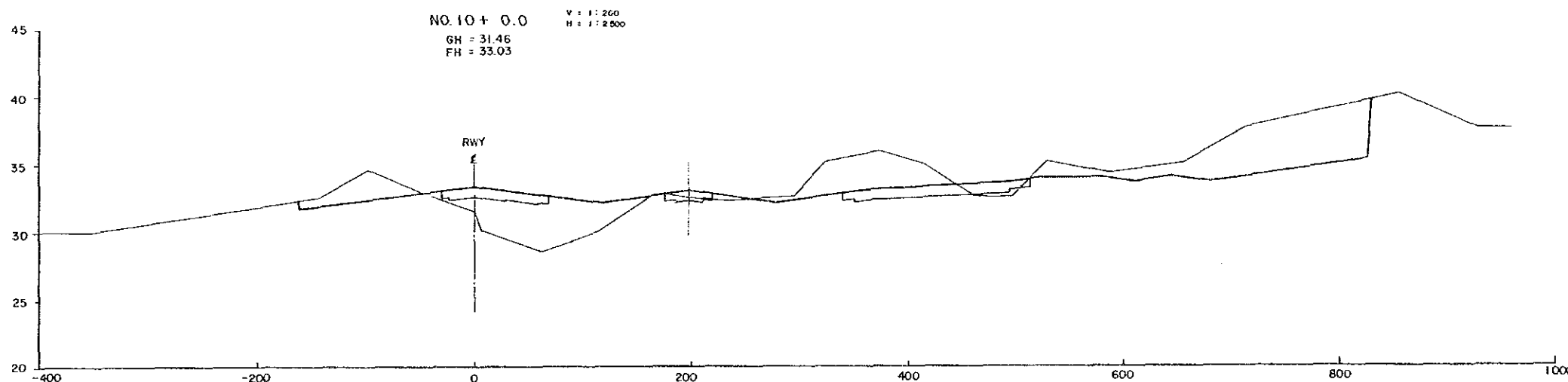
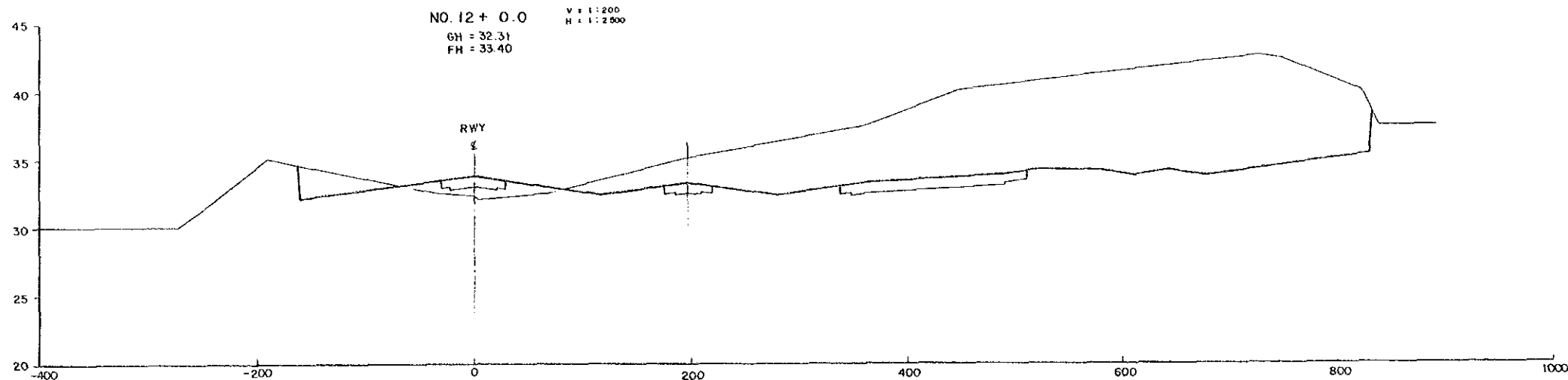
PEOPLE'S REPUBLIC OF CHINA
 FEASIBILITY STUDY
 ON
 THE CONSTRUCTION PROJECT
 OF
 WUHAN/TIANHE AIRPORT

CROSS SECTION (1/5)
 (AIRPORT)

SCALE: V=1:200 | No. C-12 | 1 MAR. 1990
 H=1:2500

JAPAN INTERNATIONAL COOPERATION AGENCY

Appendix 7-1 Drawings of Airfield Facilities
 (12) Cross Section (1/5)



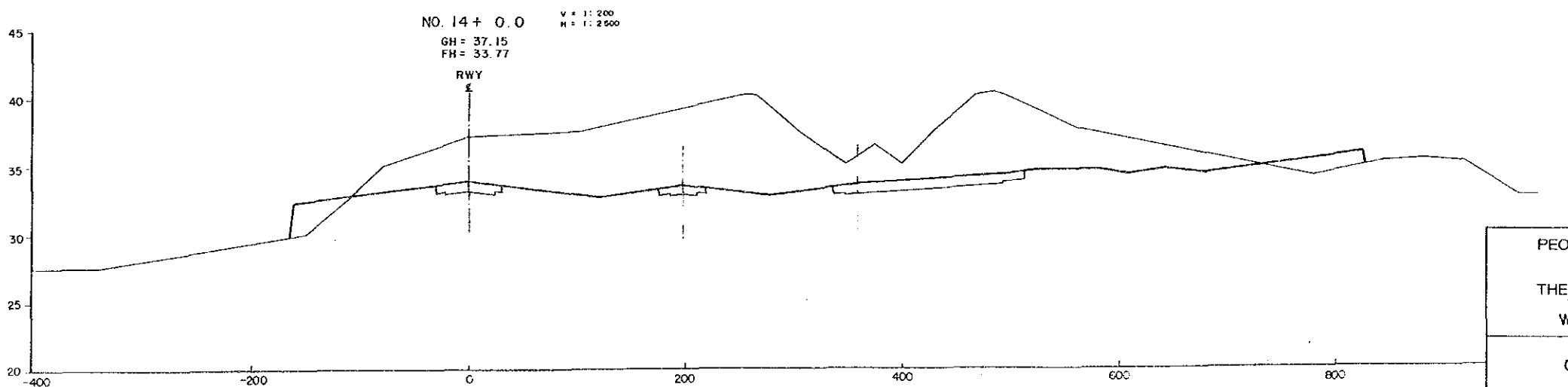
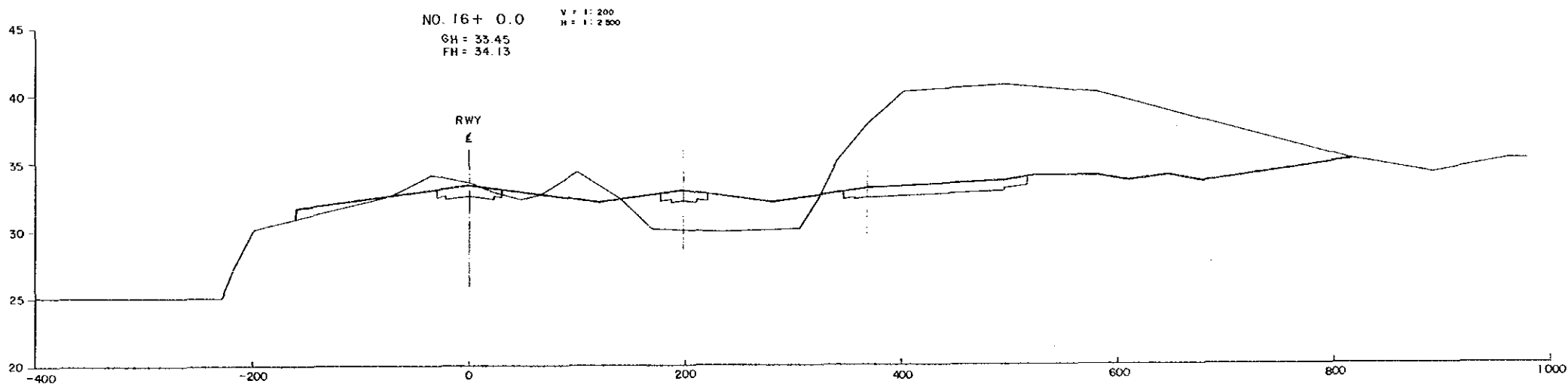
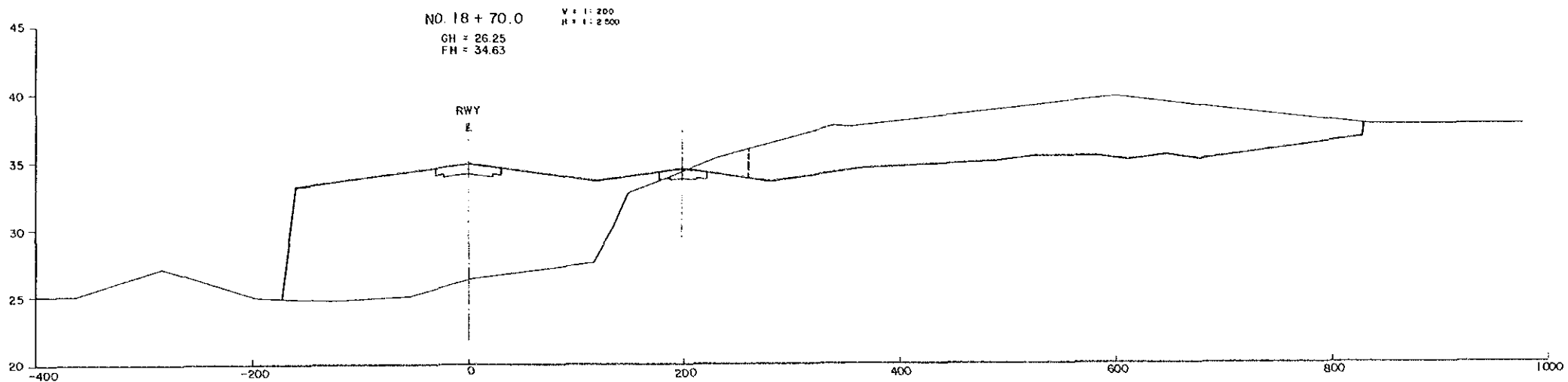
PEOPLE'S REPUBLIC OF CHINA
 FEASIBILITY STUDY
 ON
 THE CONSTRUCTION PROJECT
 OF
 WUHAN/TIANHE AIRPORT

CROSS SECTION (2/5)
 (AIRPORT)

SCALE: V = 1:200 | No.C-13 | MAR. 1990
 H = 1:2500

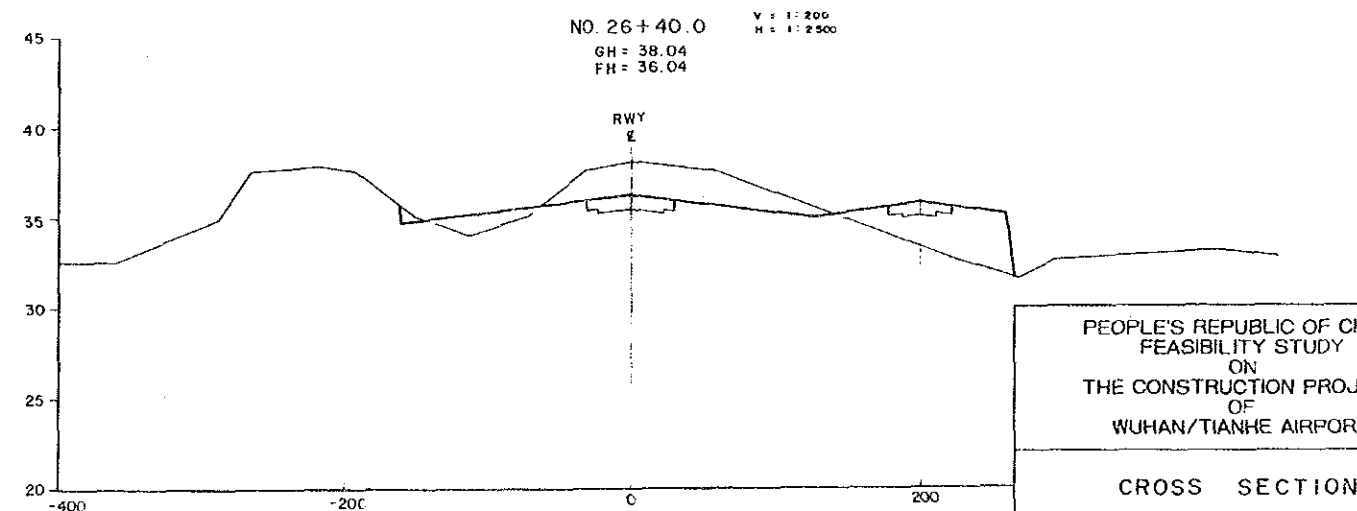
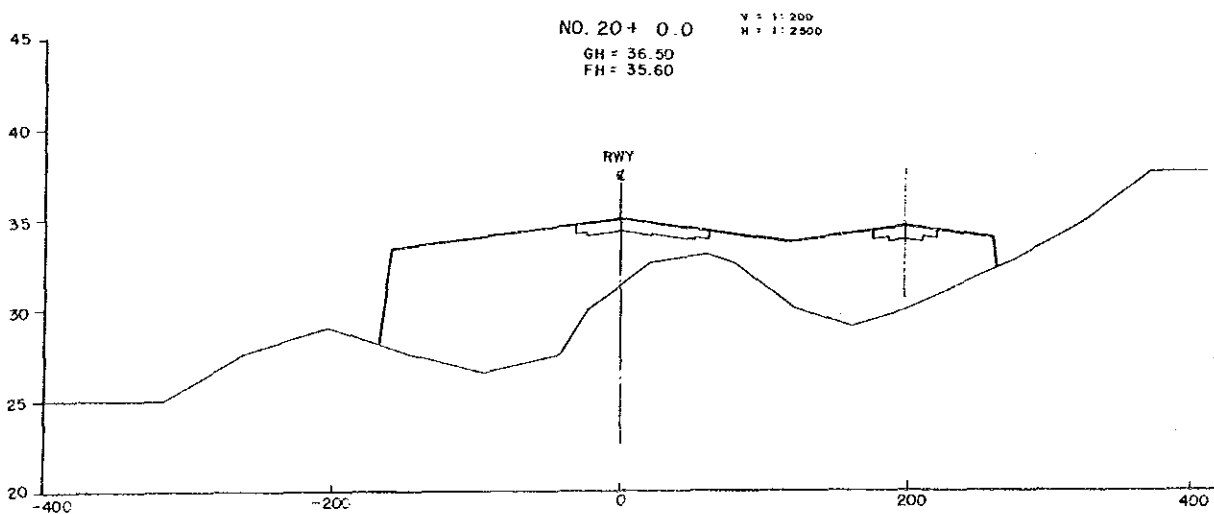
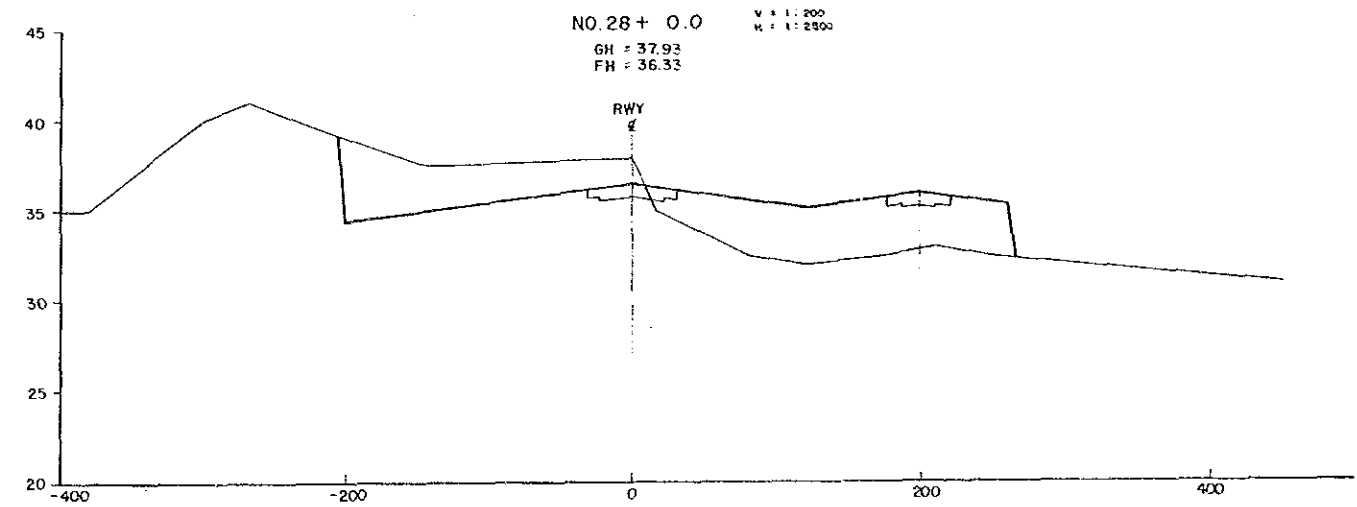
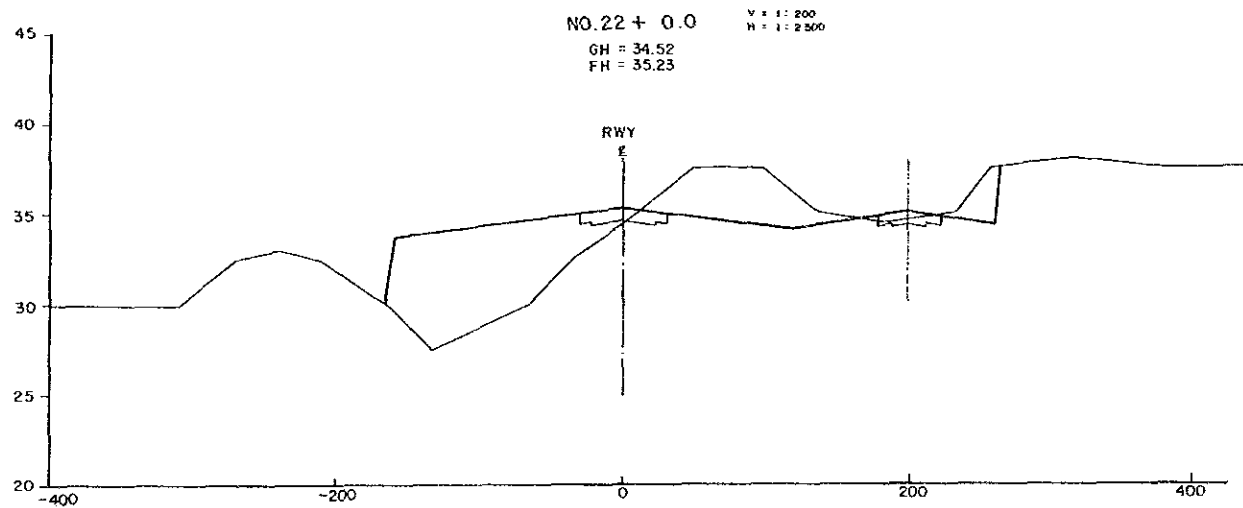
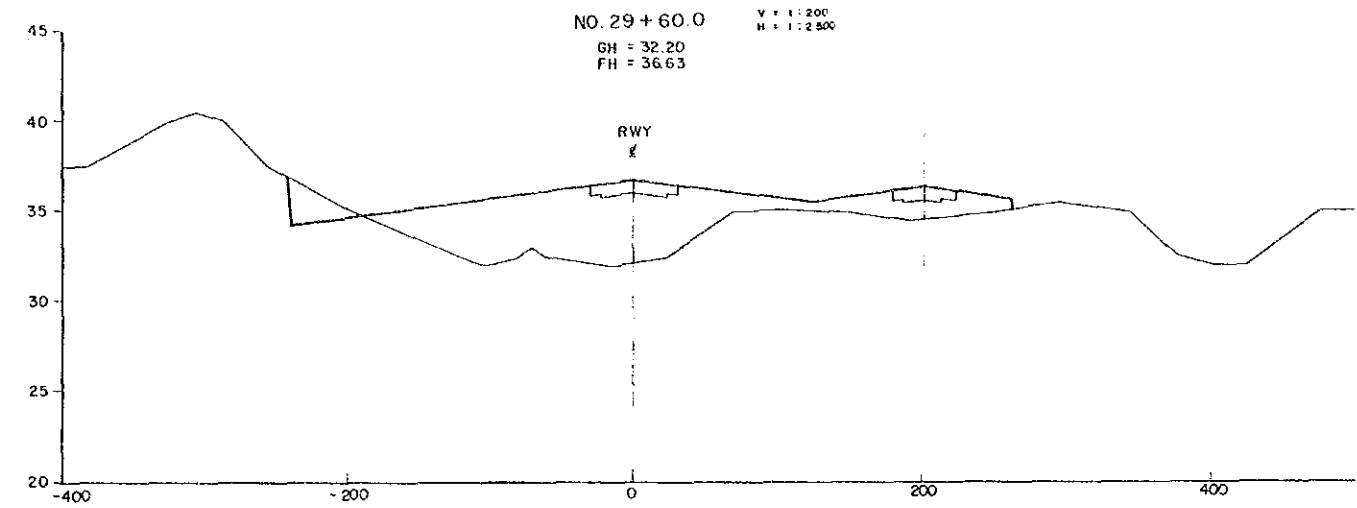
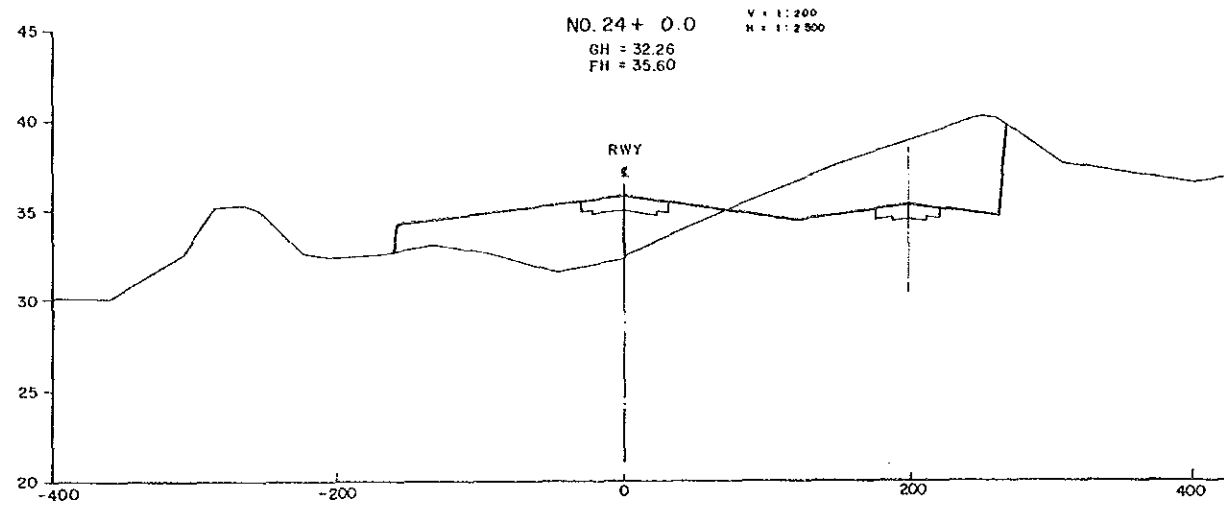
JAPAN INTERNATIONAL COOPERATION AGENCY

Appendix 7-1 Drawings of Airfield Facilities
 (13) Cross Section (2/5)



Appendix 7-1 Drawings of Airfield Facilities
 (14) Cross Section (3/5)

PEOPLE'S REPUBLIC OF CHINA FEASIBILITY STUDY ON THE CONSTRUCTION PROJECT OF WUHAN/TIANHE AIRPORT		
CROSS SECTION (3/5) (AIRPORT)		
SCALE: V = 1:200 H = 1:2,500	No. C-14	MAR 1990
JAPAN INTERNATIONAL COOPERATION AGENCY		
A-144		



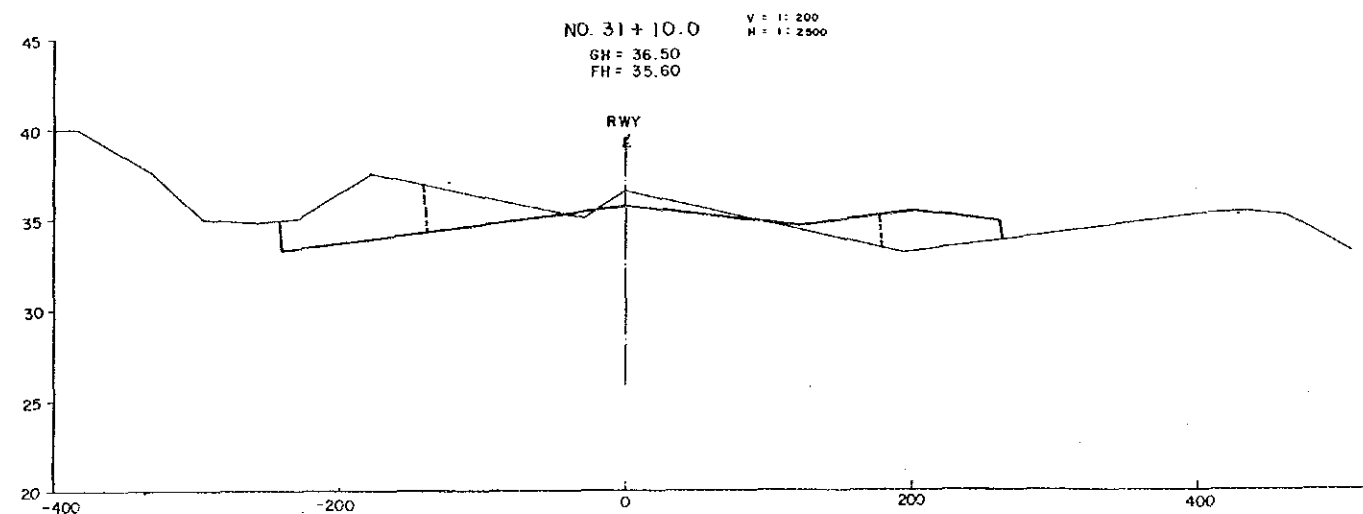
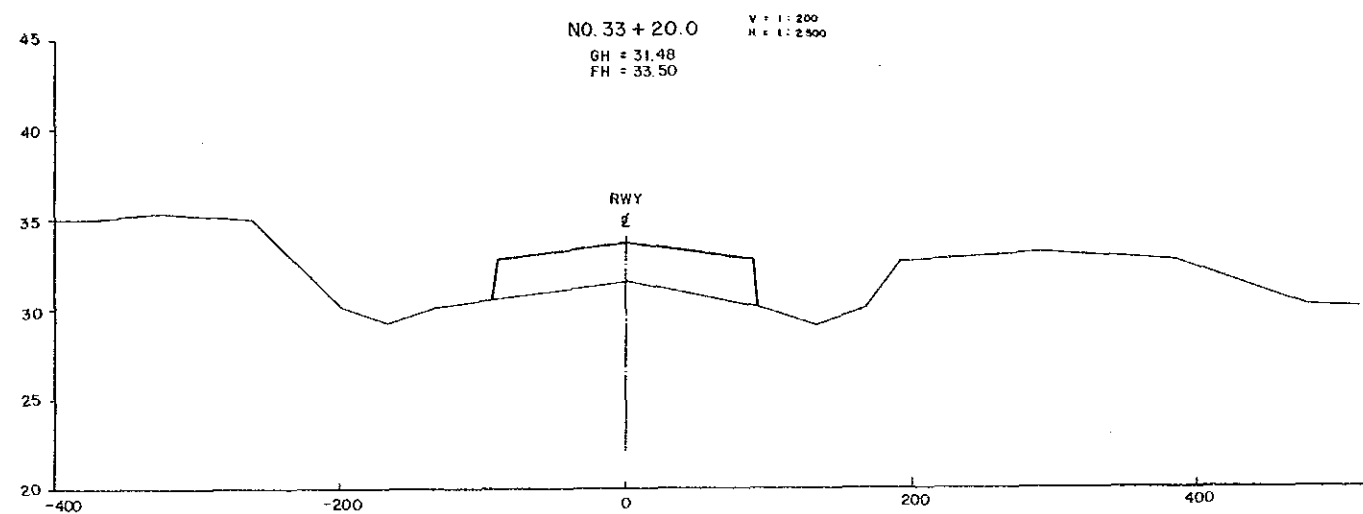
PEOPLE'S REPUBLIC OF CHINA
 FEASIBILITY STUDY
 ON
 THE CONSTRUCTION PROJECT
 OF
 WUHAN/TIANHE AIRPORT

CROSS SECTION (4/5)
 (AIRPORT)

SCALE: V = 1:200 | No. 6-15 | MAR 1990
 H = 1:2500

JAPAN INTERNATIONAL COOPERATION AGENCY

Appendix 7-1 Drawings of Airfield Facilities
 (15) Cross Section (4/5)



PEOPLE'S REPUBLIC OF CHINA
 FEASIBILITY STUDY
 ON
 THE CONSTRUCTION PROJECT
 OF
 WUHAN/TIANHE AIRPORT

CROSS SECTION (5/5)
 (AIRPORT)

SCALE: V=1:200 | No. 1-16 | MAR 1990
 H=1:2500

JAPAN INTERNATIONAL COOPERATION AGENCY

Appendix 7-1 Drawings of Airfield Facilities
 (16) Cross Section (5/5)

APPENDIX 7-2 Designing of pavement structure

i) Design Aircraft

B-767-200 (Maximum takeoff weight 143.9t; 317,000lb)

ii) Annual Departure

Forecasted traffic is as shown in following Table.

Aircraft	Gear Type	Forecast Traffic	Forecast Annual Departures	Maximum Take-off Weight
B-767	dual tandem	14,812	7,406	143,800 kg
MD-82	dual	11,430	5,715	68,200 kg
B-737	dual	2,814	1,407	49,900 kg
YN-7	dual	3,404	1,702	23,500 kg

First, all aircrafts are converted to the same landing gear type as the design aircraft according to following factors.

<u>To Convert From</u>	<u>To</u>	<u>Multiply Departures By</u>
single wheel	dual wheel	0.8
single wheel	dual tandem	0.5
dual wheel	dual tandem	0.6
double dual tandem	dual tandem	1.0
dual tandem	single wheel	2.0
dual tandem	dual wheel	1.7
dual wheel	single wheel	1.3
double dual tandem	dual wheel	1.7

Secondary, the conversion to equivalent annual departures of the design aircraft should be determined by the following formula:

$$\log R_1 = \log R_2 \times \left(\frac{W_2}{W_1}\right)^{1/2}$$

where;

R_1 = equivalent annual departures by the design aircraft

R_2 = annual departures expressed in design aircraft landing gear

W_1 = wheel load of the design aircraft

W_2 = wheel load of the aircraft in question

The result of calculation is shown in following Table.

Aircraft	Dual Tandem Gear Departure	Wheel Load	Wheel Load of Design Aircraft	Equivalent Annual Departures Design Aircraft
B-767	7,406	18120 kg	18120 kg	7,406
MD-82	3,429	16110 kg	18120 kg	2,154
B-737	844	11500 kg	18120 kg	214
YN-7	1,021	5300 kg	18120 kg	42
Total				9,816

iii) Strength of Sub-grade

The sub-grade soil in Tianhe is classified into CL (low compressive clay.) According to the Chinese road design manual, the strength of sub-grade consisting of CL is generally estimated as following Table.

In this design, the CBR value 6 and plate bearing coefficient $K_{75} = 4 \text{ kg/cm}^2$ are assumed based on this table.

按统一分类法土的分类和 k_{rs} 值的关系

表 4-3-30

主要分类	分类符号	代 表 性 土	不受冻结 情况路面 基础的评价	冻结的 可能性	压缩性和 膨 胀 性	排 水 性	现 场 C B R	地基反力 系数 k_{rs} (公斤/ 厘米 ²)	
砾石和 砾石质土	GW	级配好的砂石或砂砾混合土, 细 颗粒少或没有	优	无或很少	几乎没有	优	60~80	8.3以上	
	GP	级配不好的砂石或砂砾混合土, 细颗粒少或没有	良或优	无或很少	几乎没有	优	25~60	8.3以上	
	GM	d	粉土质砾石, 砾石、砂与粉土混 合土	良或优	少或平常	很少	可或不可	40~80	8.3以上
		u	粉土质砾石, 砾石、砂与粉土混 合土	良	少或平常	少	不可或实际 上不透水	20~40	5.5~8.3
	GC	粘土质砾石, 砾石、砂与粘土混 合土	良	少或平常	少	不可或实际 上不透水	20~40	5.5~8.3	
砂和 砂质土	SW	级配好的砂或砂石, 细颗粒少或 没有	良	无或很少	几乎没有	优	20~40	5.5~8.3	
	SP	级配不好的砂或砾石质砂, 细颗 粒少或没有	可或良	无或很少	几乎没有	优	10~25	5.5~8.3	
	SM	d	粉土质砂, 砂与粉土混合土	良	少或大	很少	可或不可	20~40	5.5~8.3
		u	粉土质砂, 砂与粉土混合土	可或良	少或大	少或平常	不可或实际 上不透水	10~20	5.5~8.3
	SC	粘土质砂, 砂与粘土混合土	可或良	少或大	少或平常	不可或实际 上不透水	10~20	5.5~8.3	
粉土和 粘 土 $LL < 50$	ML	无机质的粉土及极细砂、石粉、 粉土质或粘土质细砂或塑性小的粘 土质粉土	可或不可	平常或 很 大	少或平常	可或不可	5~15	2.8~5.5	
	CL	小于一般塑性的无机质粘土, 砾 石质粘土, 砂质粘土, 粉土质粘 土, 粘聚力大的粘土	可或不可	平常或大	平常	实际 上不 透水	5~15	2.8~5.5	
	OL	塑性小的有机质粉土及粉土质粘 土	不 可	平常或 大	平常或大	不 可	4~8	2.8~5.5	
粉土和 粘 土 $LL > 50$	MH	无机质的粉土云母质或轻质细砂 或粉土质土, 弹性大的粉土	不 可	平常或 很 大	大	可或不可	4~8	2.8~5.5	
	CH	塑性大的无机质粘土, 粘性大的 粘土	不 可 或 很 不 可	平常	大	实际 上不 透水	3~5	1.4~2.8	
	OH	小于一般塑性的有机质粘土, 有 机质粉土	不 可 或 很 不 可	平常	大	实际 上不 透水	3~5	1.4~2.8	
重有机 质 土	Pt	泥炭或其他重有机质土	不 适	少	很大	可或不可	—	—	

iv) Flexural Strength of Concrete

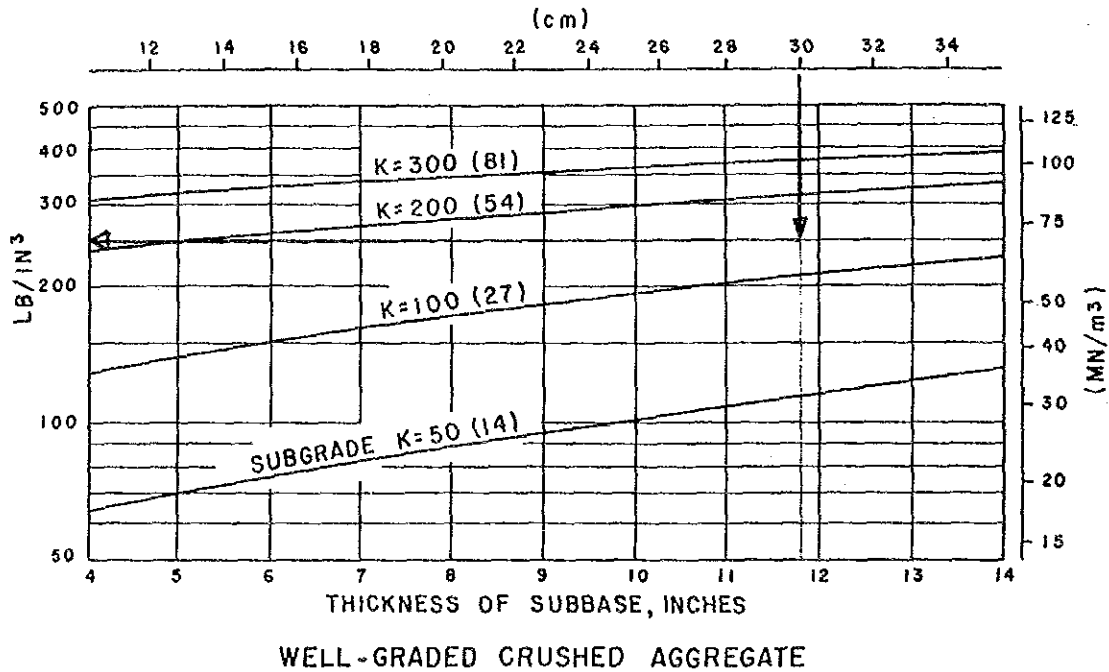
The flexural strength of concrete of 45 kg/cm^3 is determined considering the experiences of pavement construction works in Wuhan.

v) Sub-base

The lime mixed crushed stone is assumed to be used the material for sub-base.

The thickness of 30 cm for sub-base is determined.

The K-value of 250 lb/in² on the top of sub-base is estimated by the following design chart of F.A.A.



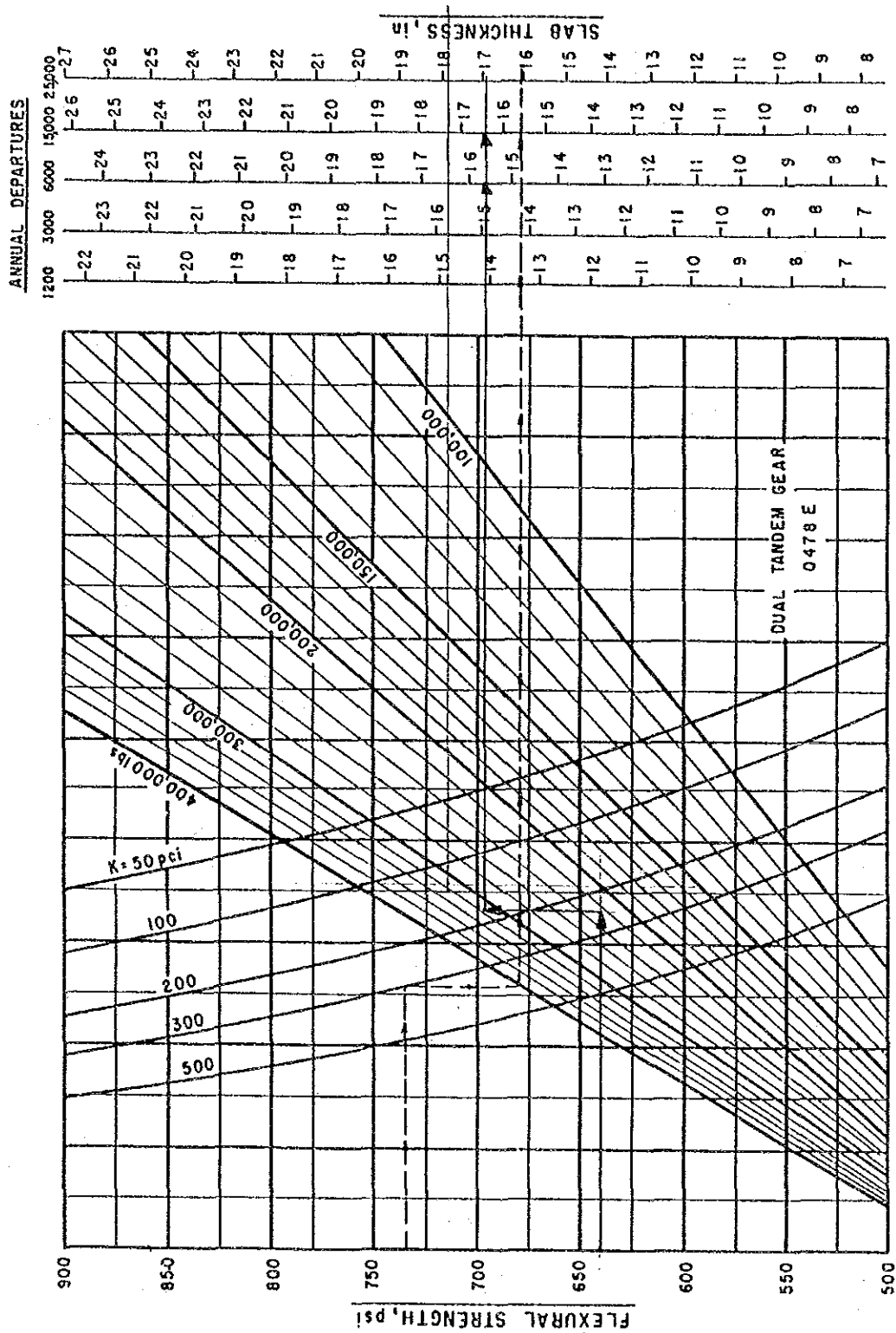
cf: Sub-grade K = 4 kg/cm³ → 145 lb/in³

vi) Thickness of Concrete Slab

The thickness of concrete slab in critical area is determined by the following design chart of F.A.A.

The estimated thickness for annual departure 6000 is 15.57 in and for annual departure 1500 is 16.40 in.

Therefore 15.9 in (≈40 cm) is necessary for annual departure 9800.



NOTE:
 1 inch = 2.54 cm | psi = 0.0069 MN/m²
 1 lb = 0.454 kg | pci = 0.272 MN/m³

FIGURE 3-16. RIGID PAVEMENT DESIGN CURVES - DUAL TANDEM GEAR

vii) Typical Cross Section

The typical cross section of pavement in the runway and the reduction of concrete slab thickness in the exit taxiway is determined according to the following figure that shown in F.A.A. Advisory Circular.

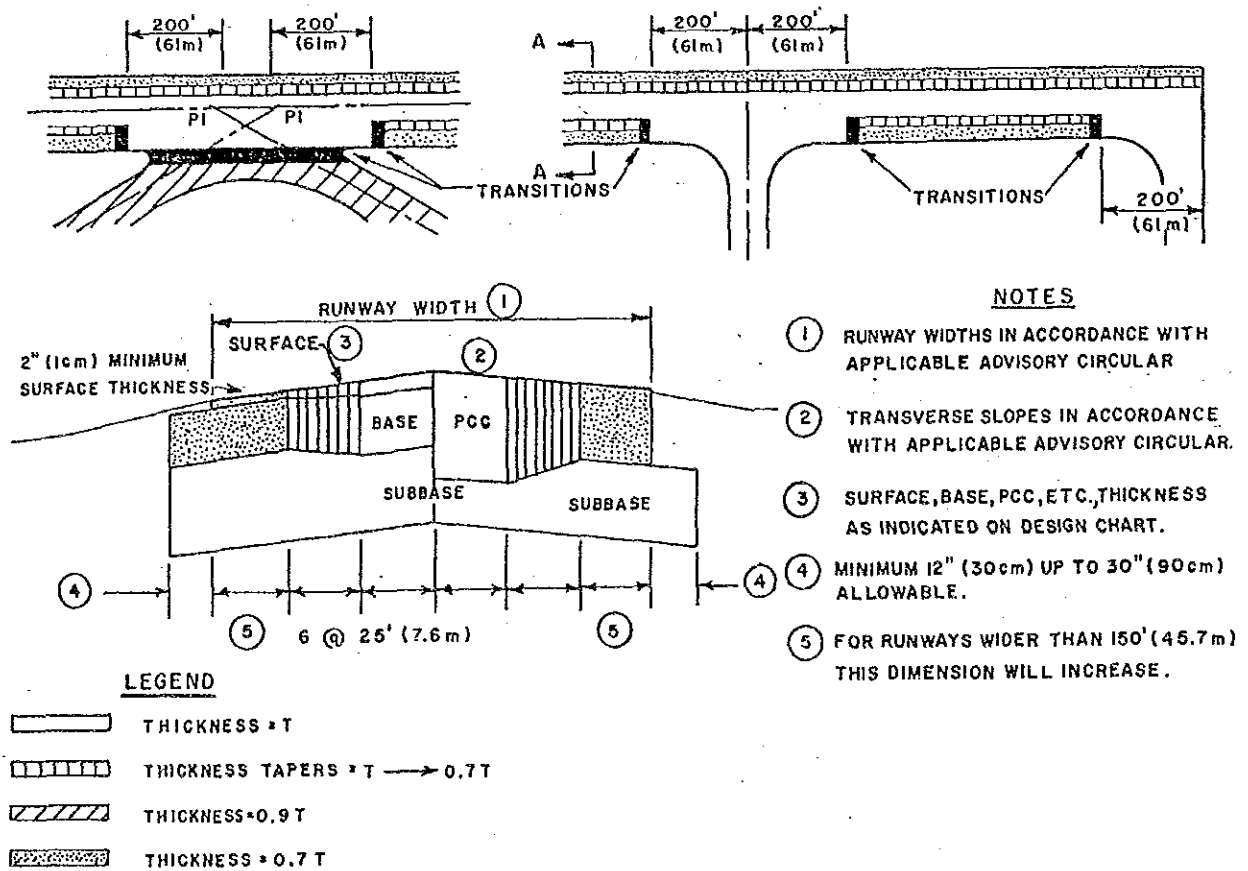


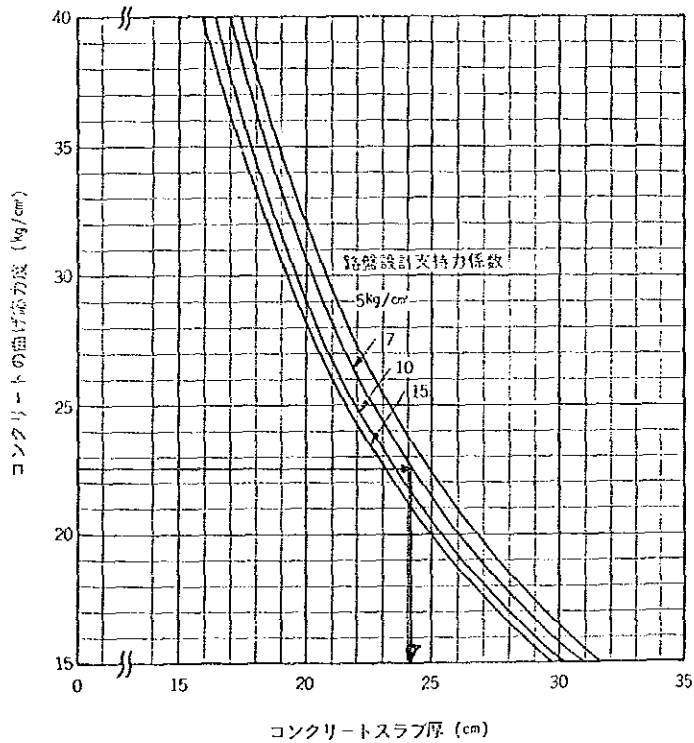
FIGURE 3-1. TYPICAL PLAN AND CROSS SECTION FOR RUNWAY PAVEMENTS

viii) Concrete Slab Thickness in G.S.E. Way

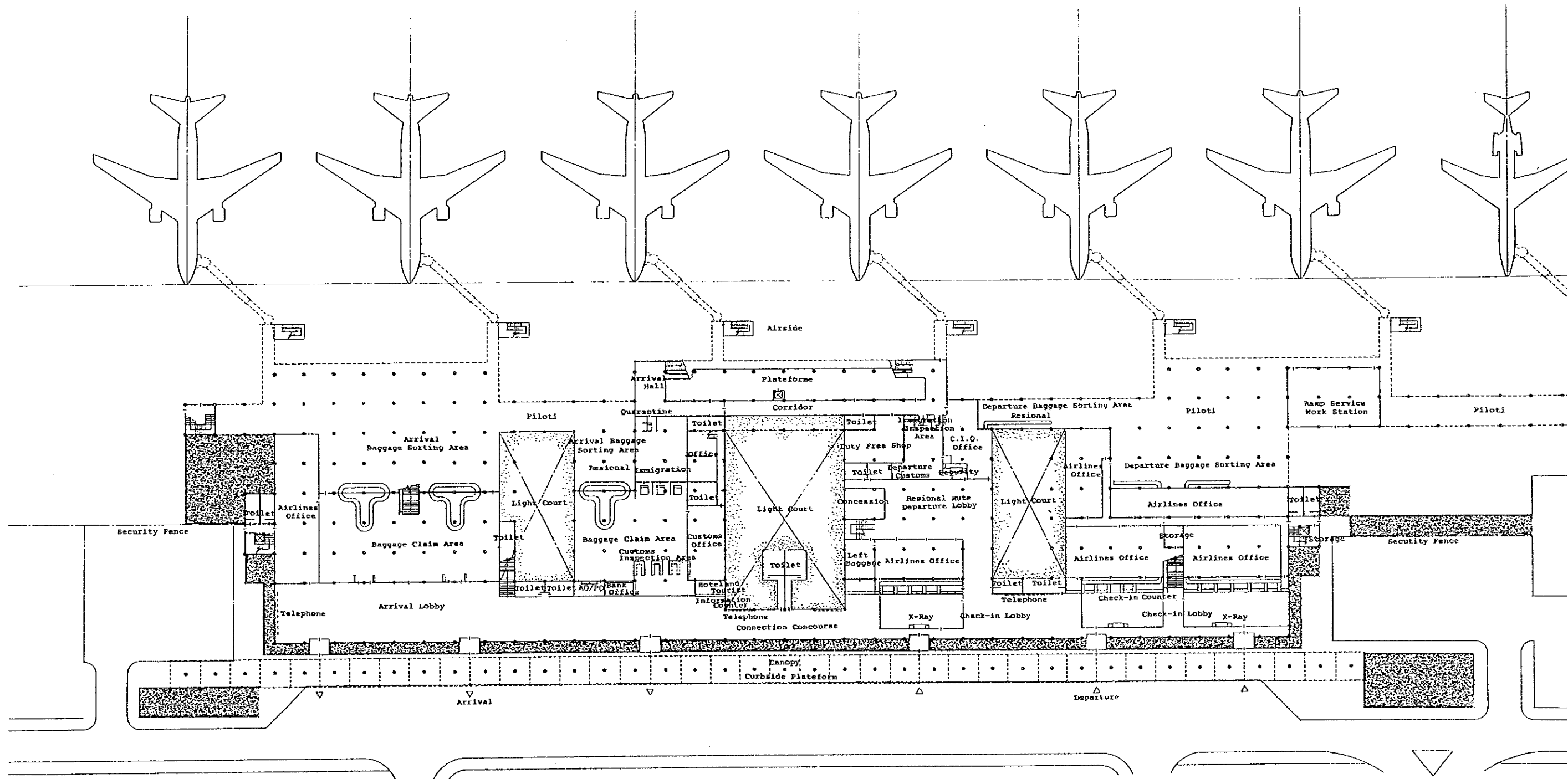
The concrete slab thickness in G.S.E. way is determined by J.C.A.B. airport Pavement Design Manual.

The design load of G.S.E. way is 50t toeing tractor and necessary safety factor is 2.0.

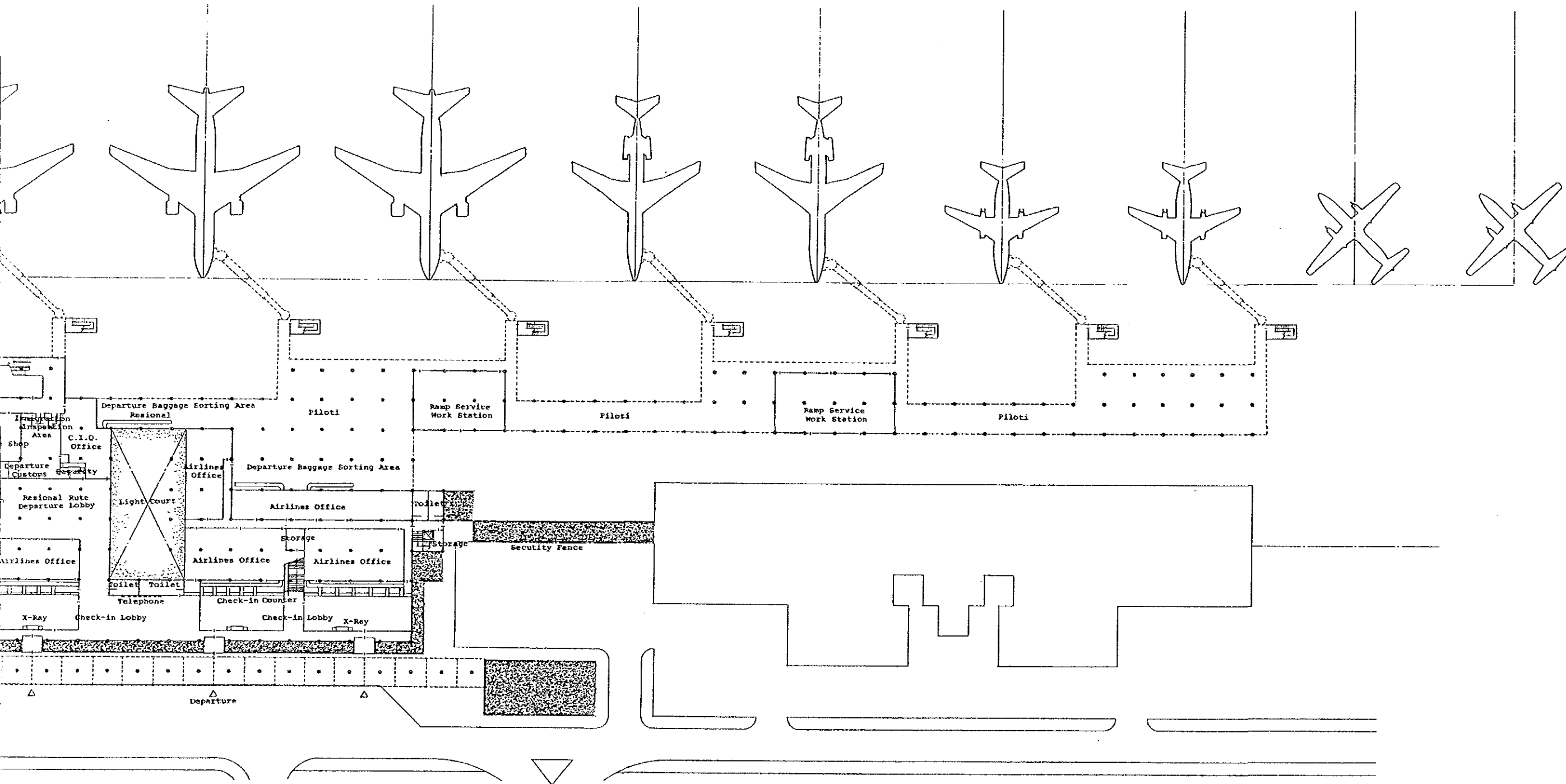
The thickness of 24 cm is necessary for concrete slab based on the following design chart.



付図-8-7 コンクリートスラブ厚設計曲線 (設計荷重LT-1)



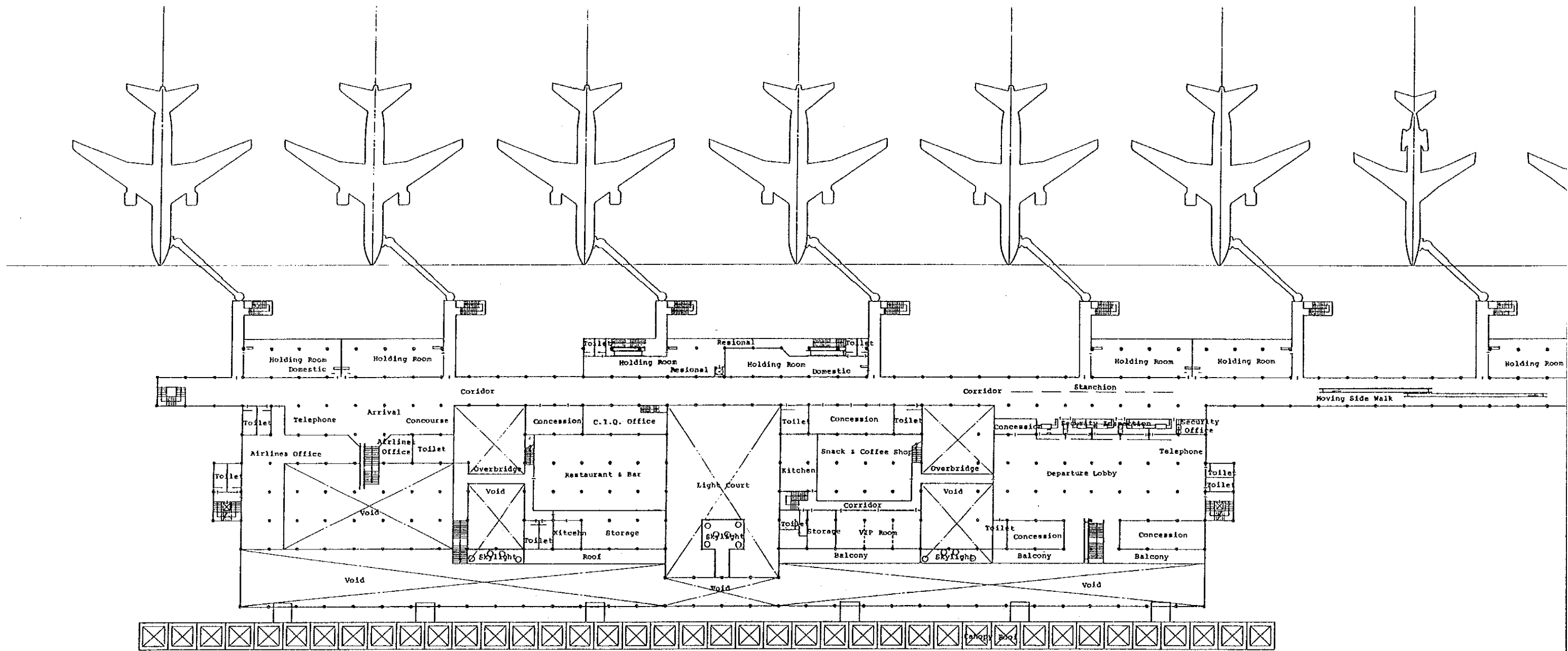
FIRST FLOOR PLAN



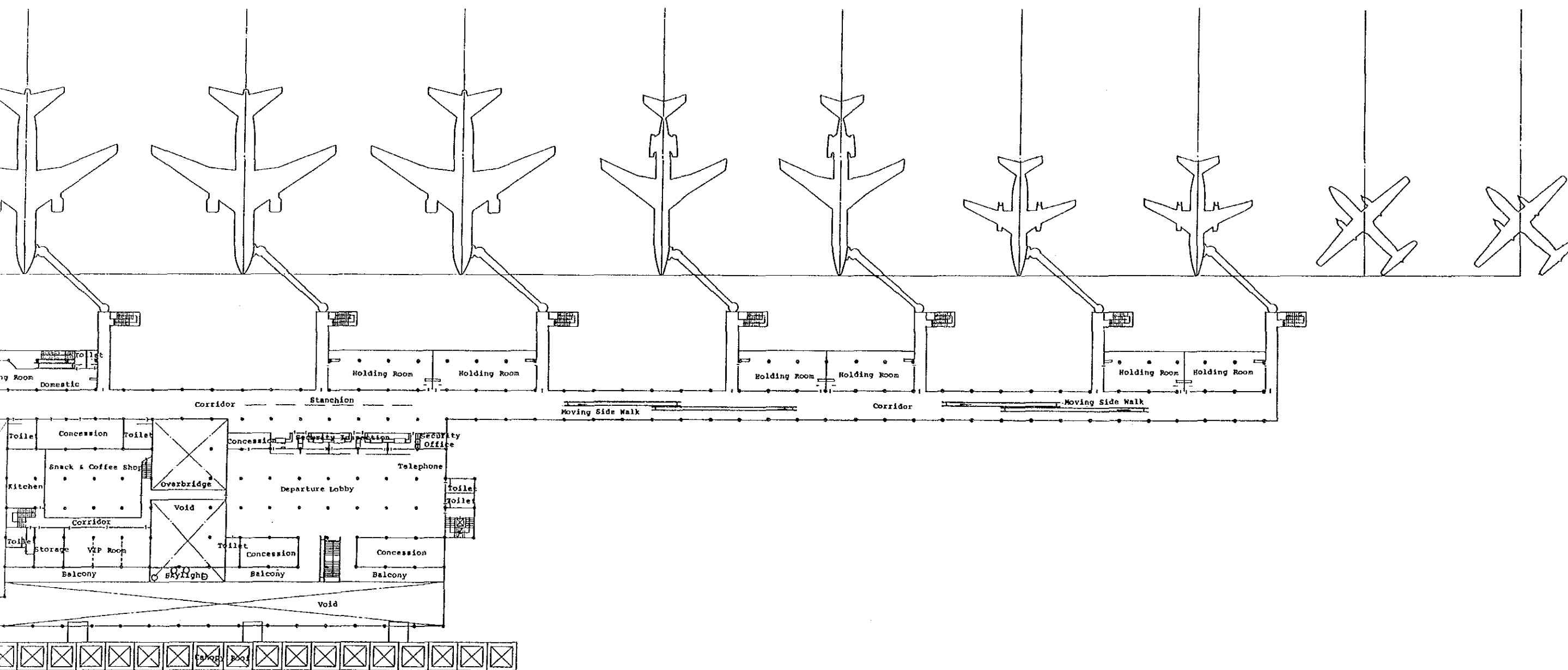
FIRST FLOOR PLAN

Appendix 7-3 Drawings of Passenger Terminal Building
(1) First Floor Plan





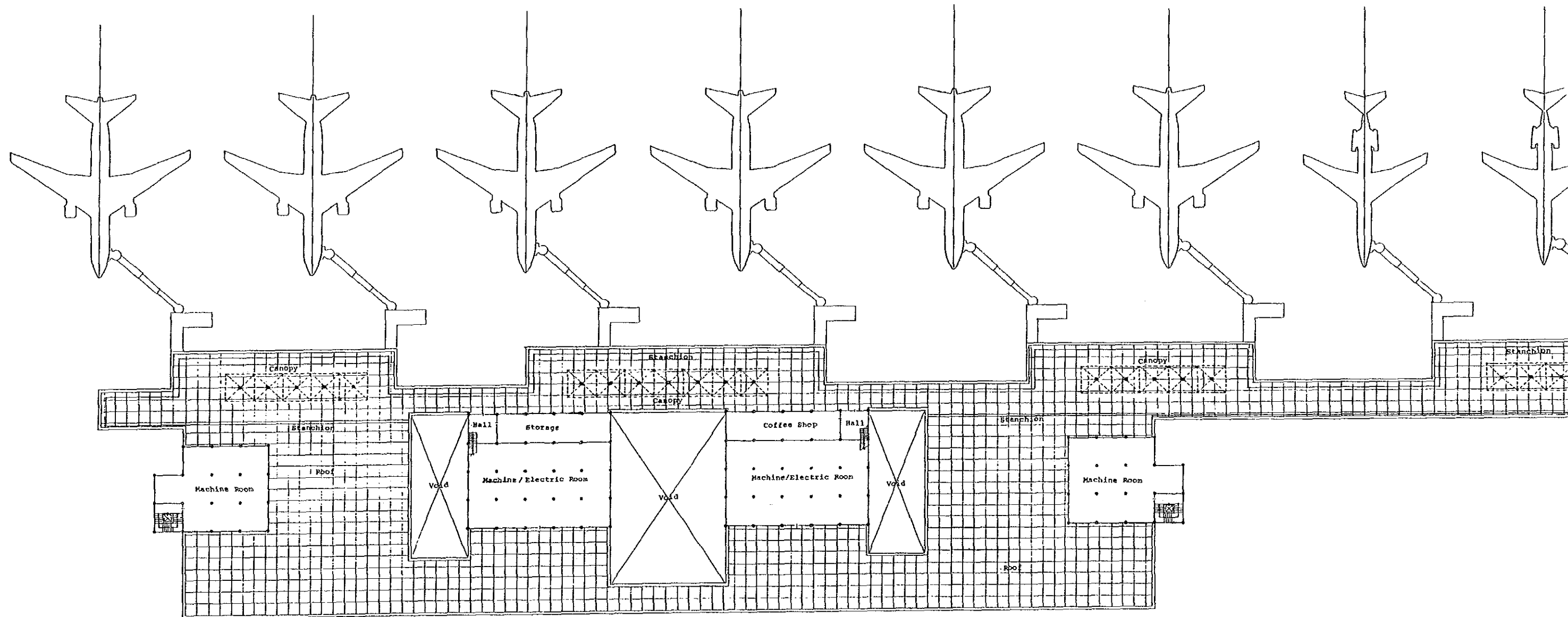
SECOND FLOOR PLAN



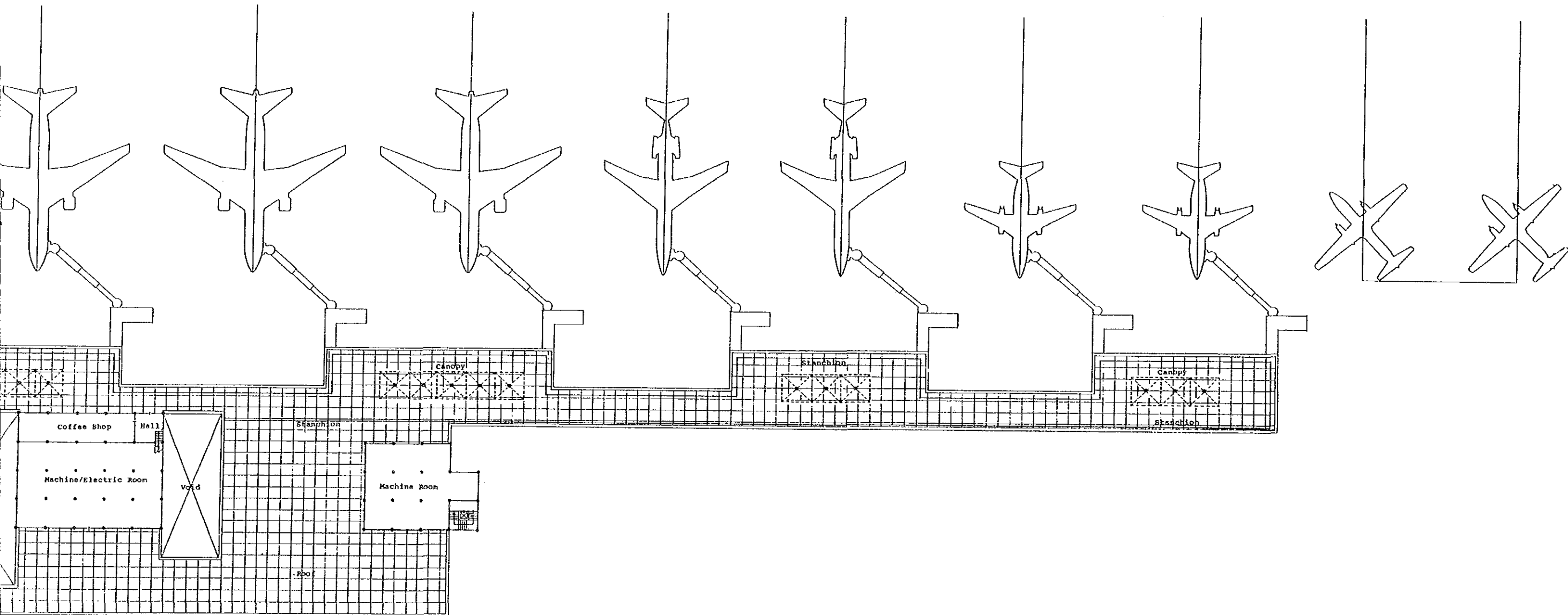
SECOND FLOOR PLAN



Appendix 7-3 Drawings of Passenger Terminal Building
(2) Second Floor Plan



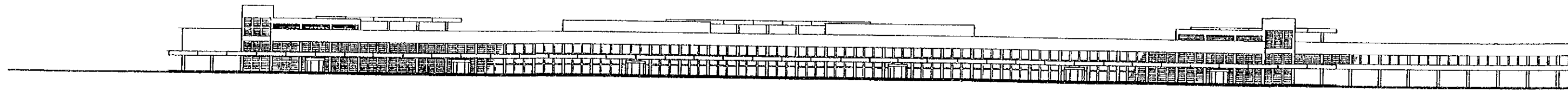
THIRD FLOOR PLAN



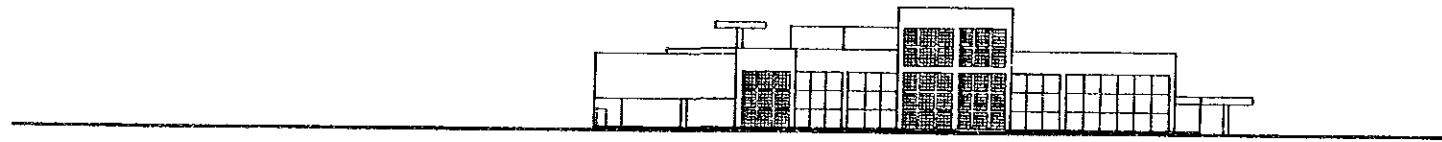
THIRD FLOOR PLAN

Appendix 7-3 Drawings of Passenger Terminal Building
(3) Third Floor Plan

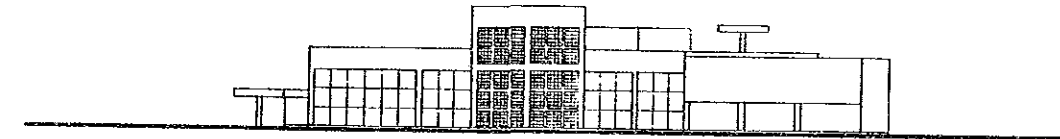




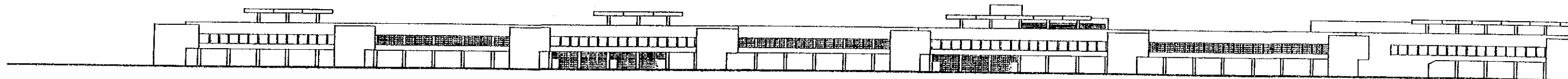
CURBSIDE ELEVATION



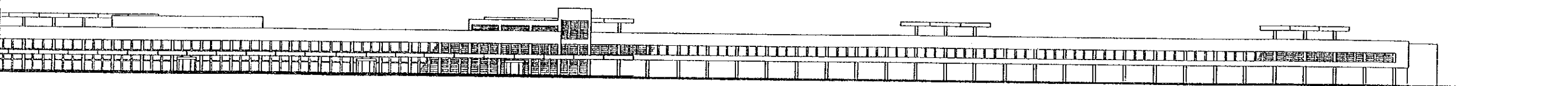
SOUTH ELEVATION



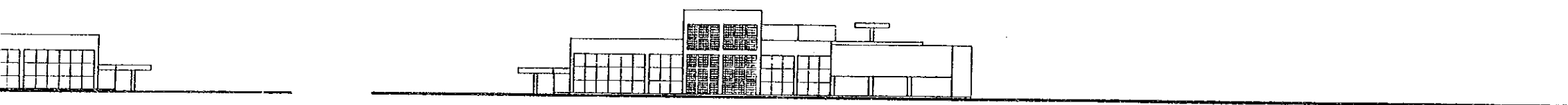
NORTH ELEVATION



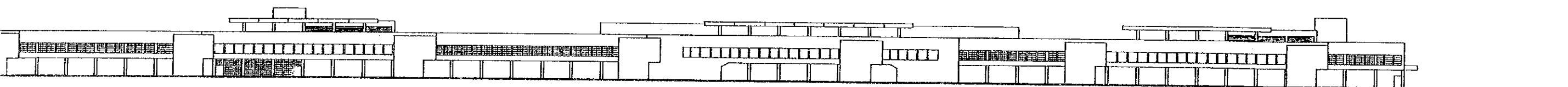
AIRSIDE ELEVATION



CURBSIDE ELEVATION



NORTH ELEVATION

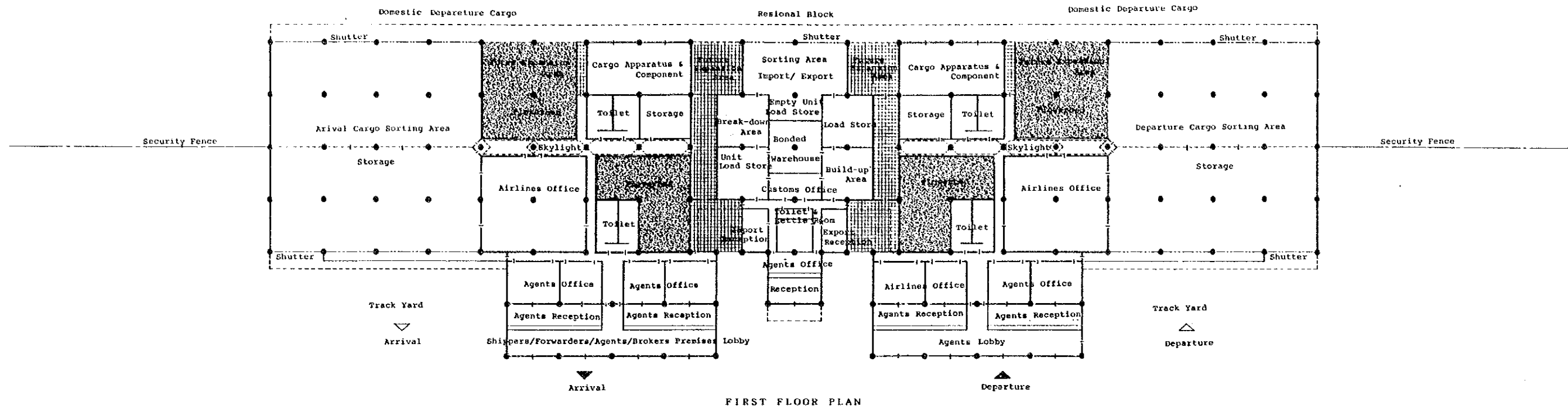


AIRSIDE ELEVATION

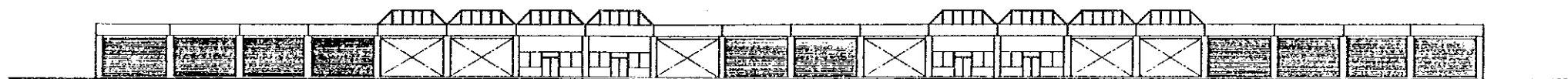


Appendix 7-3 Drawings of Passenger Terminal Building
(4) Elevations

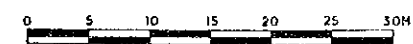
PEOPLE'S REPUBLIC OF CHINA / FEASIBILITY STUDY ON THE CONSTRUCTION PROJECT OF
WUHAN/TIANHE AIRPORT PASSENGER TERMINAL BUILDING ELEVATIONS Scale 1 : 1000
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) MAR. 1990



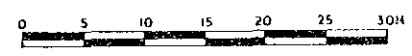
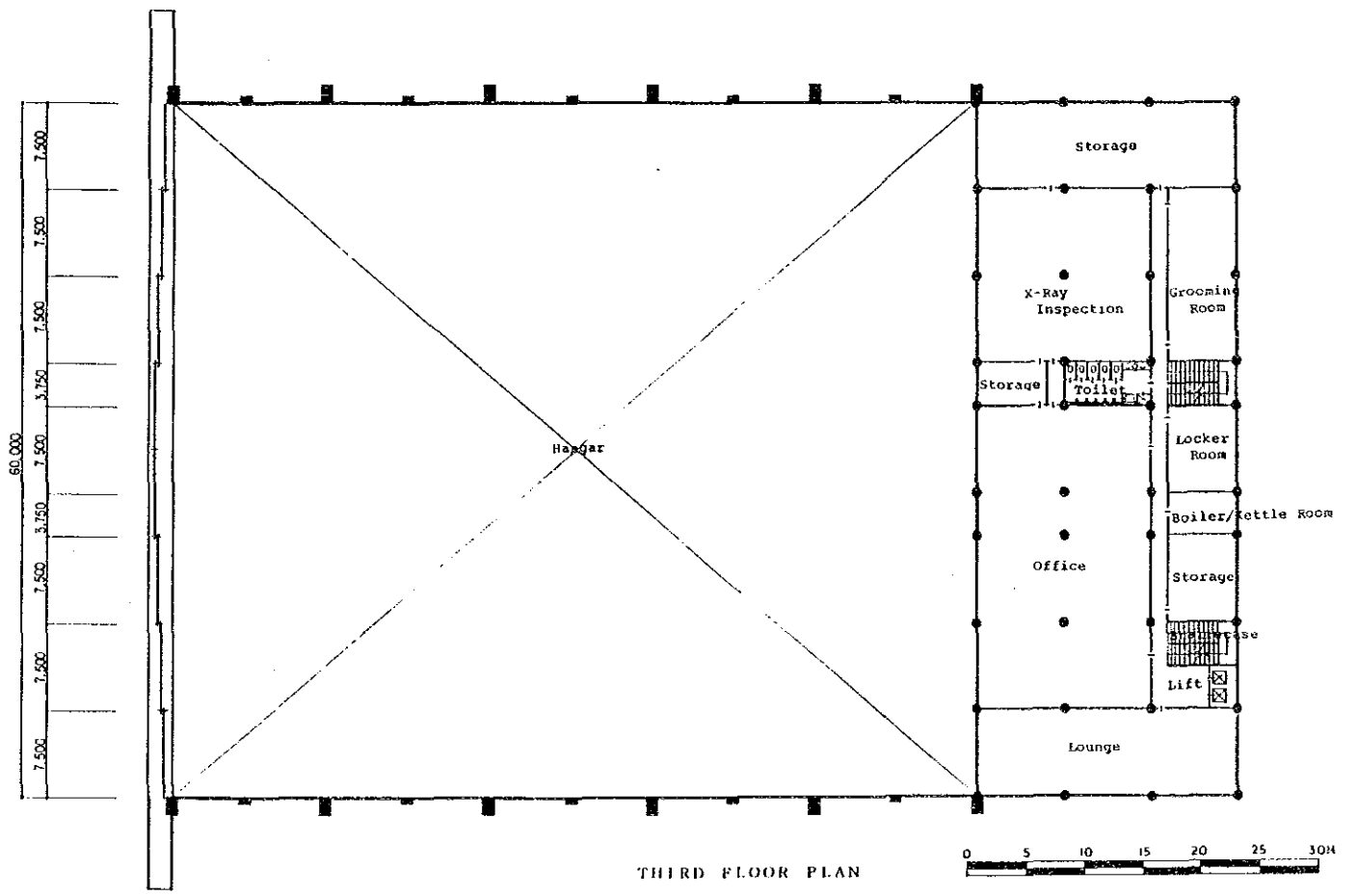
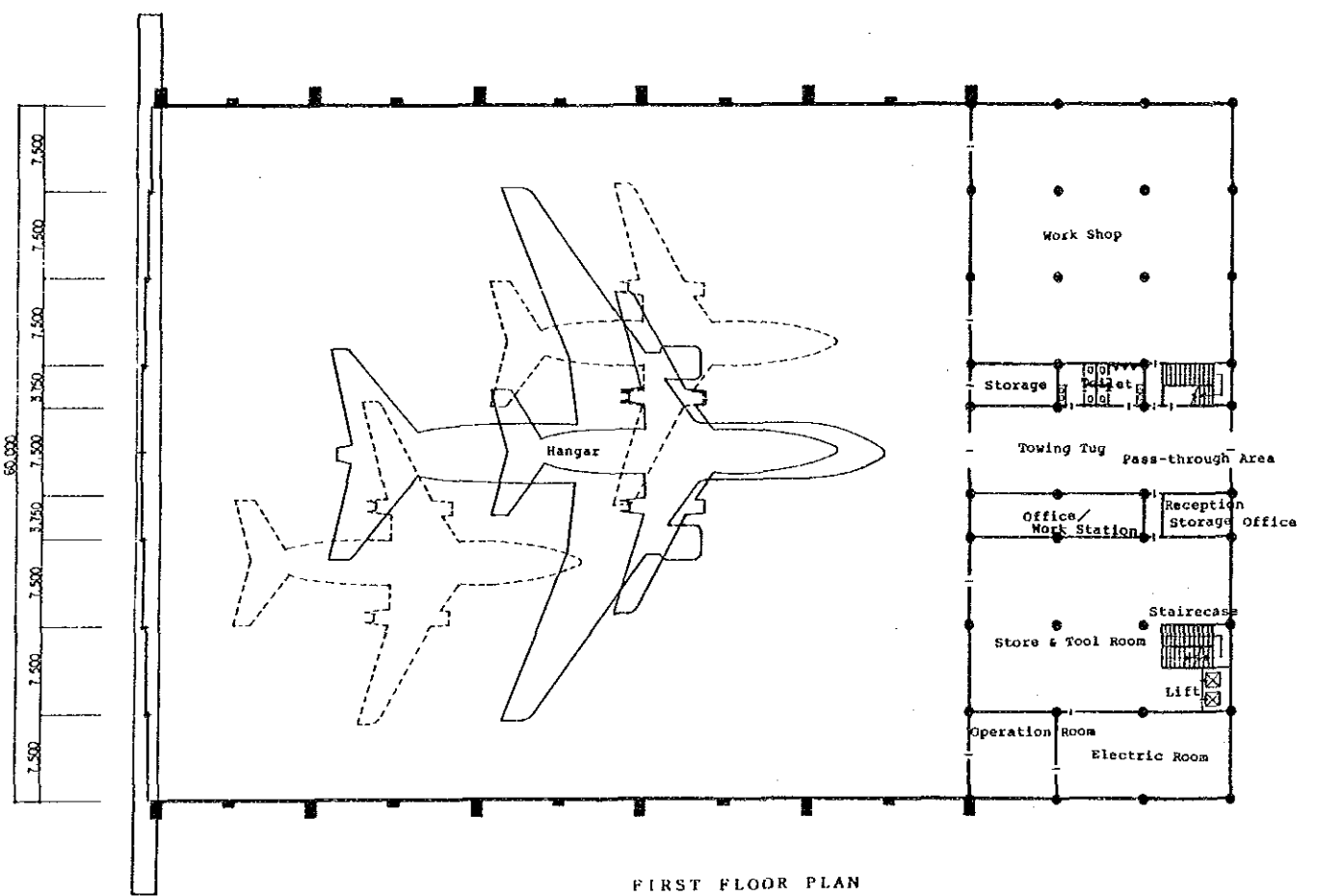
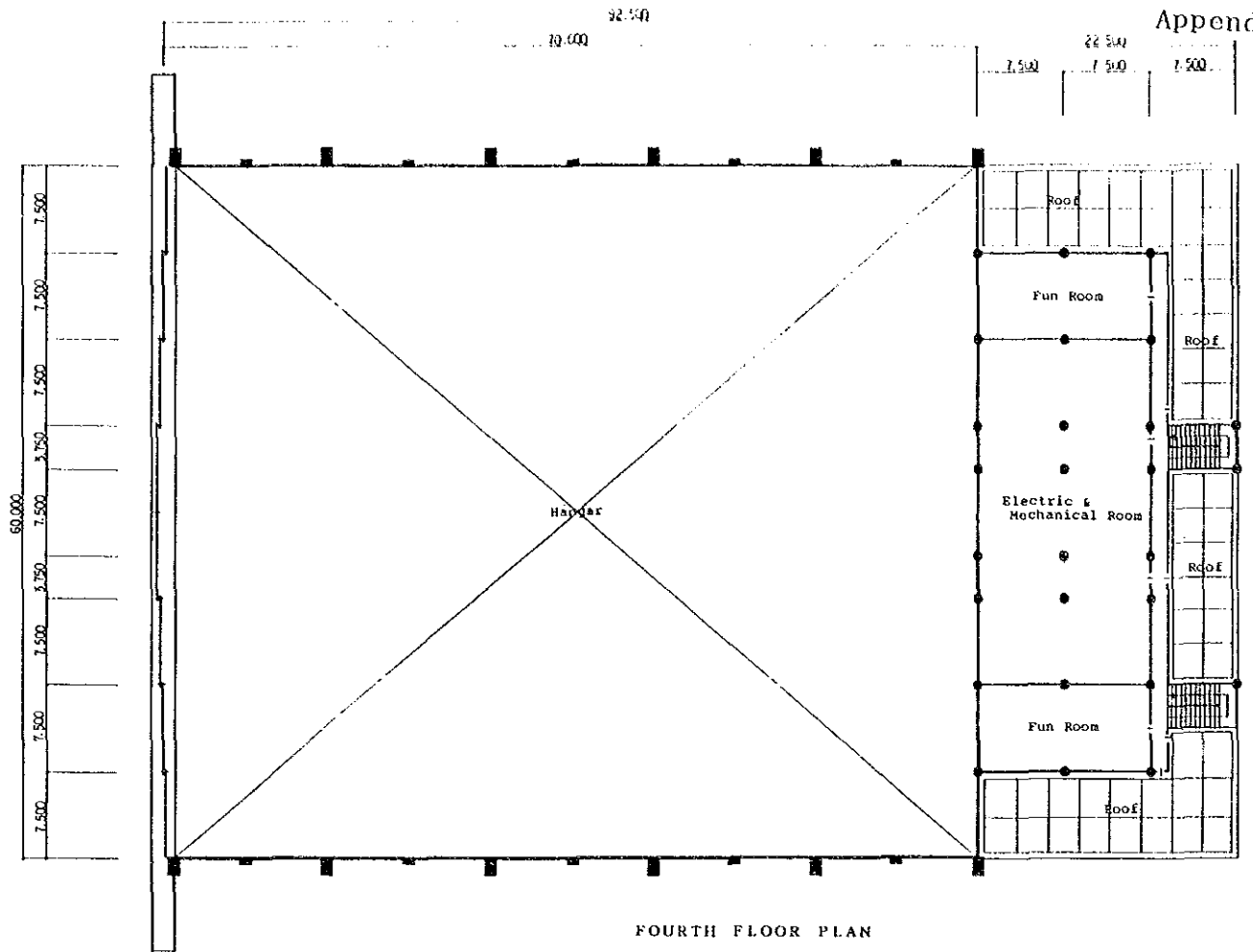
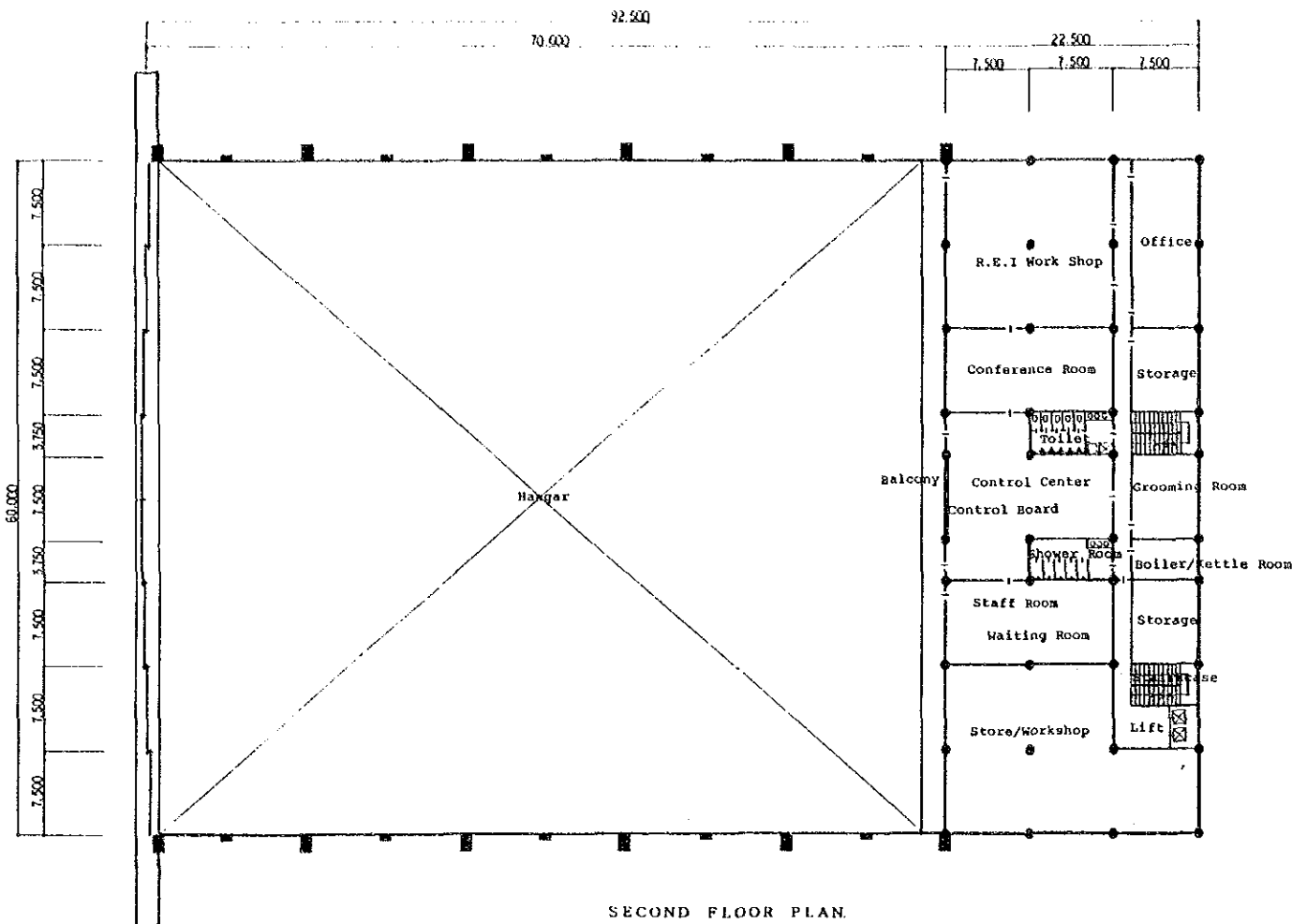
CURBSIDE ELEVATION



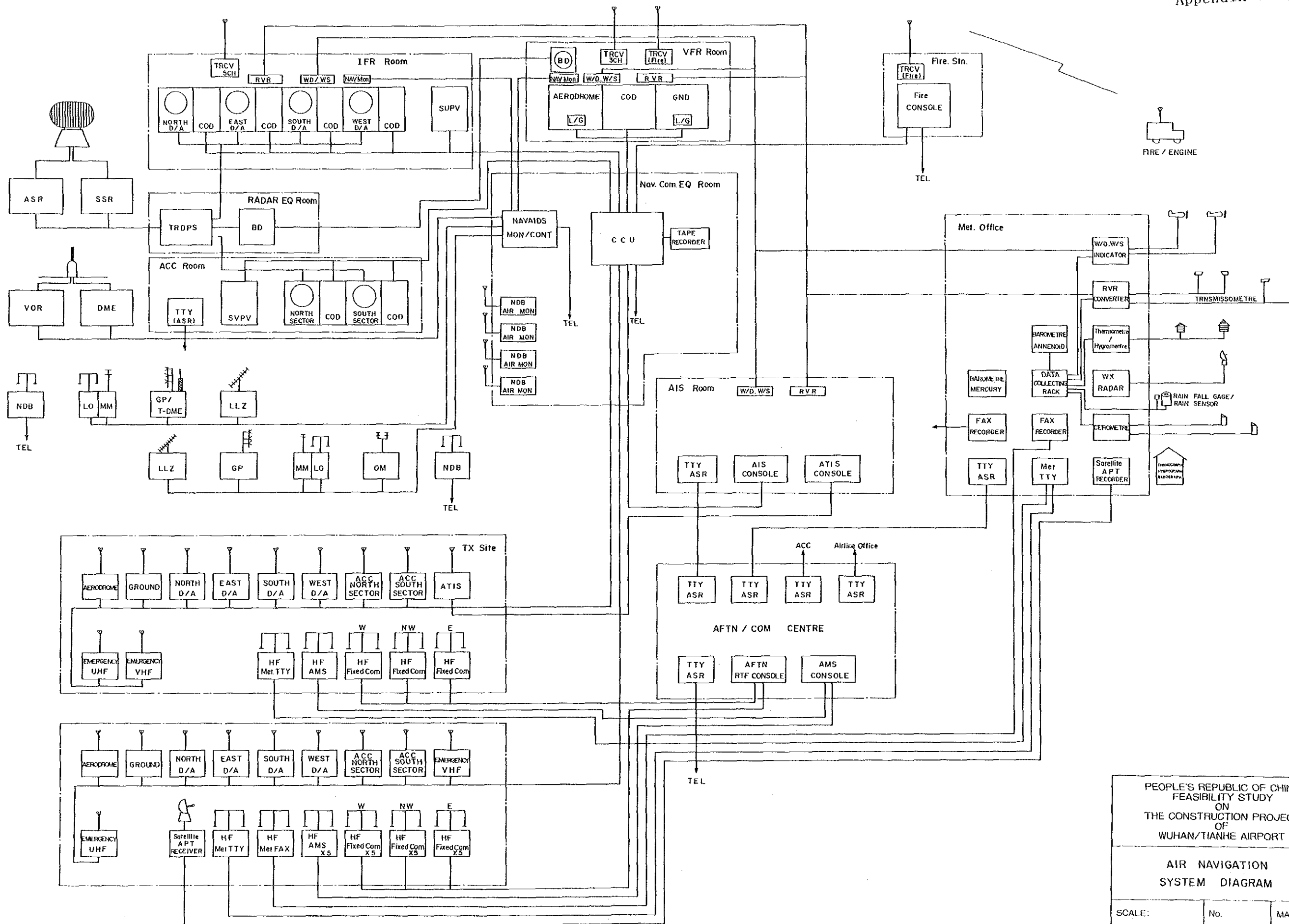
AIRSIDE ELEVATION



Appendix 7-4 Drawing of Cargo Terminal Building



Appendix 7-5 Drawing of Aircraft Maintenance Facility

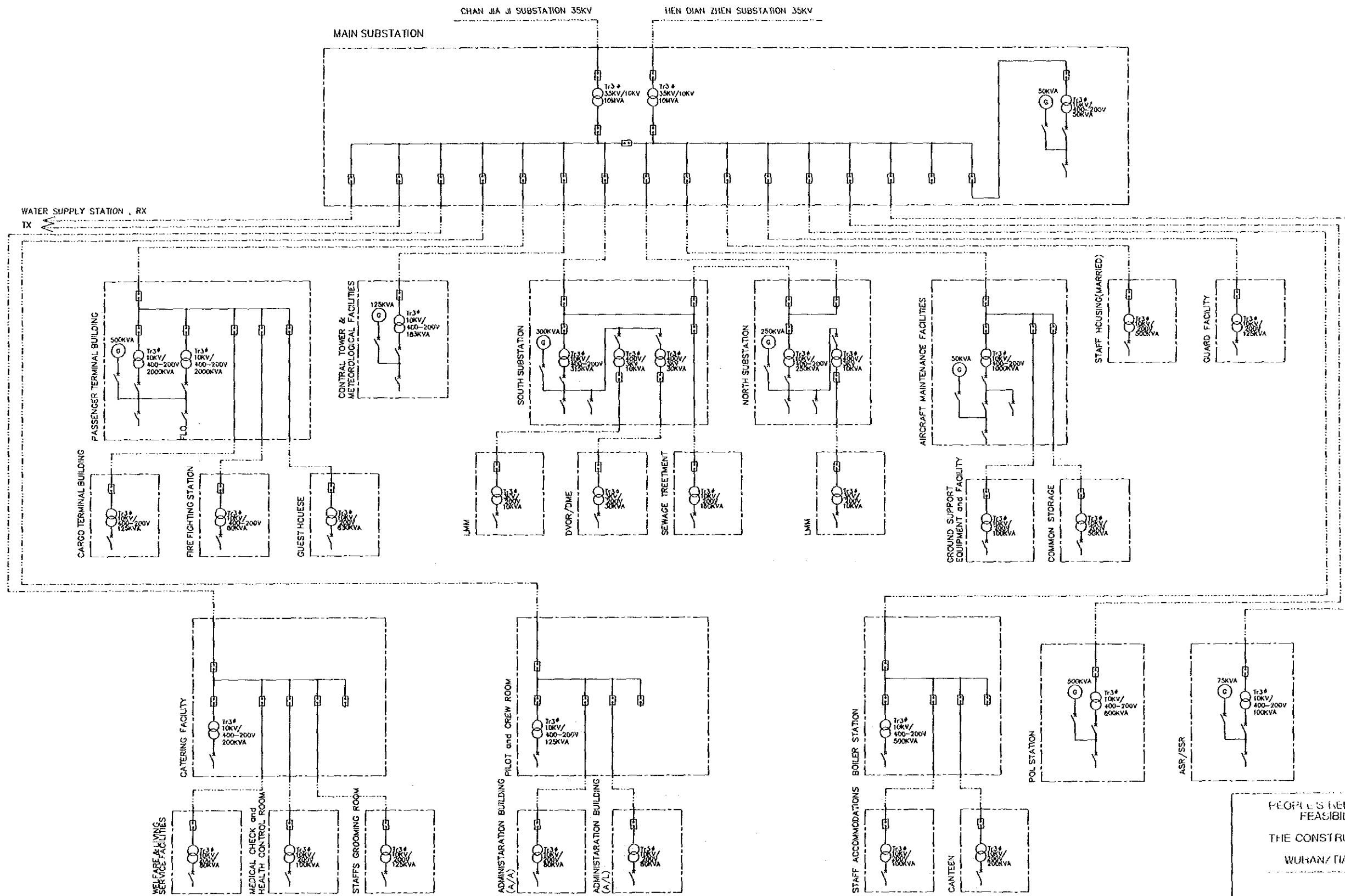


PEOPLE'S REPUBLIC OF CHINA
 FEASIBILITY STUDY
 ON
 THE CONSTRUCTION PROJECT
 OF
 WUHAN/TIANHE AIRPORT

AIR NAVIGATION
 SYSTEM DIAGRAM

SCALE: No. MAR. 1990
 JAPAN INTERNATIONAL COOPERATION AGENCY

Appendix 7-6 Drawings of Air Navigation Facilities
 (1) Air Navigation System Diagram



WUHAN TIANHUE AIRPORT SINGLE LINE DIAGRAM

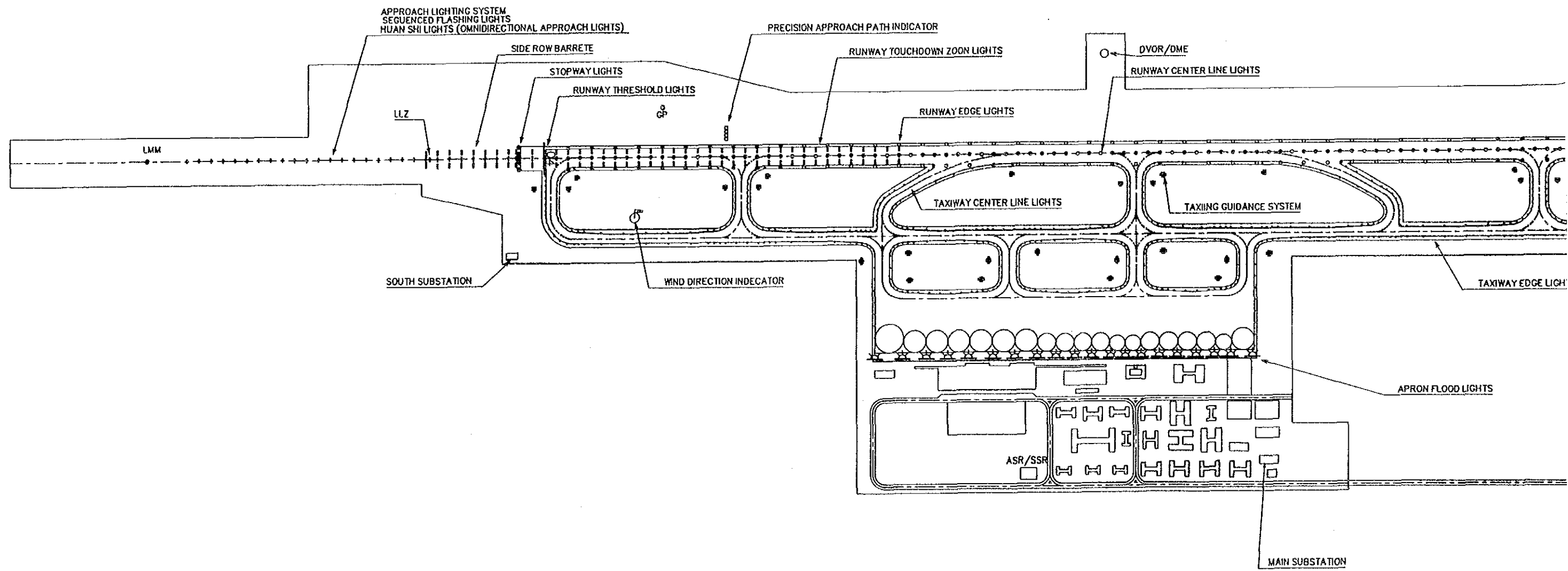
Appendix 7-6 Drawings of Air Navigation Facilities
(2) Wuhan Tianhe Airport Single Line Diagram

PEOPLE'S REPUBLIC OF CHINA
FEASIBILITY STUDY
ON
THE CONSTRUCTION PROJECT
OF
WUHAN/TIANHE AIRPORT

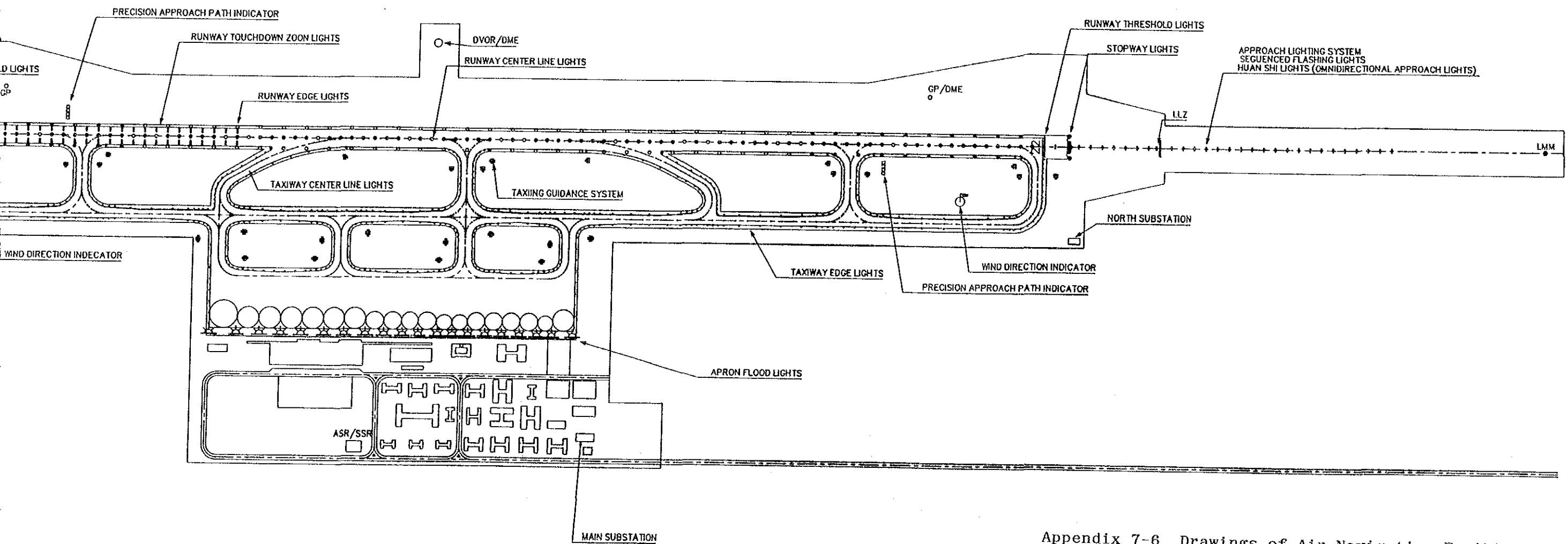
SIMPLE LINE DIAGRAM

JAPAN INTERNATIONAL COOPERATION AGENCY

A-161

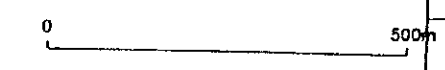


WUHAN TIANHUE AIRPORT LAYOUT PLAN OF AIR NAVIGATION FACILITIES

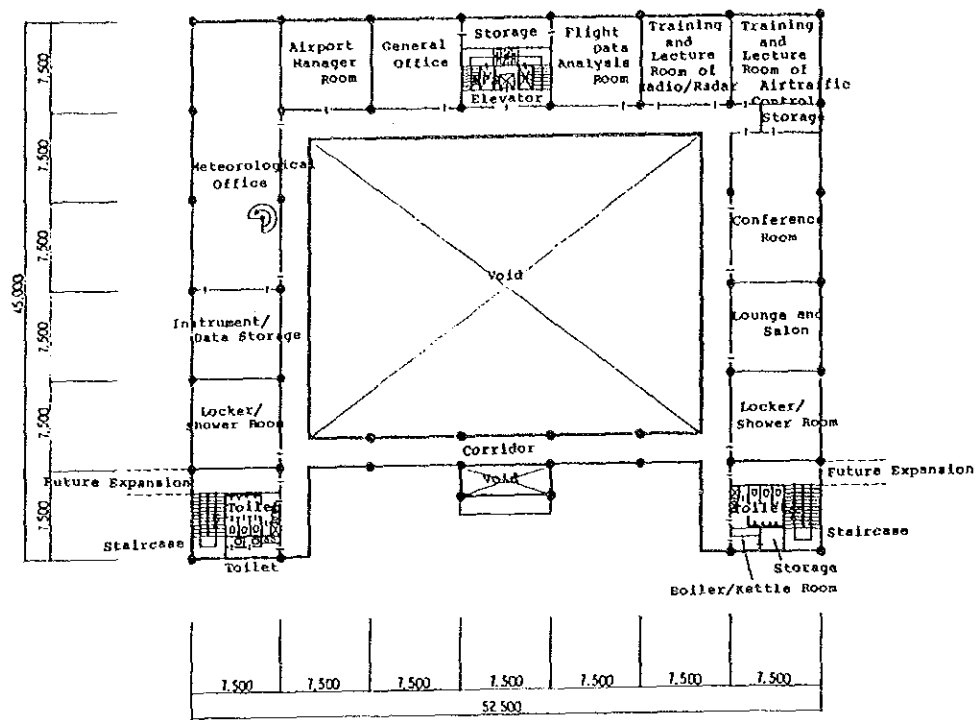


Appendix 7-6 Drawings of Air Navigation Facilities
 (3) Layout Plan of Air Navigation Facilities

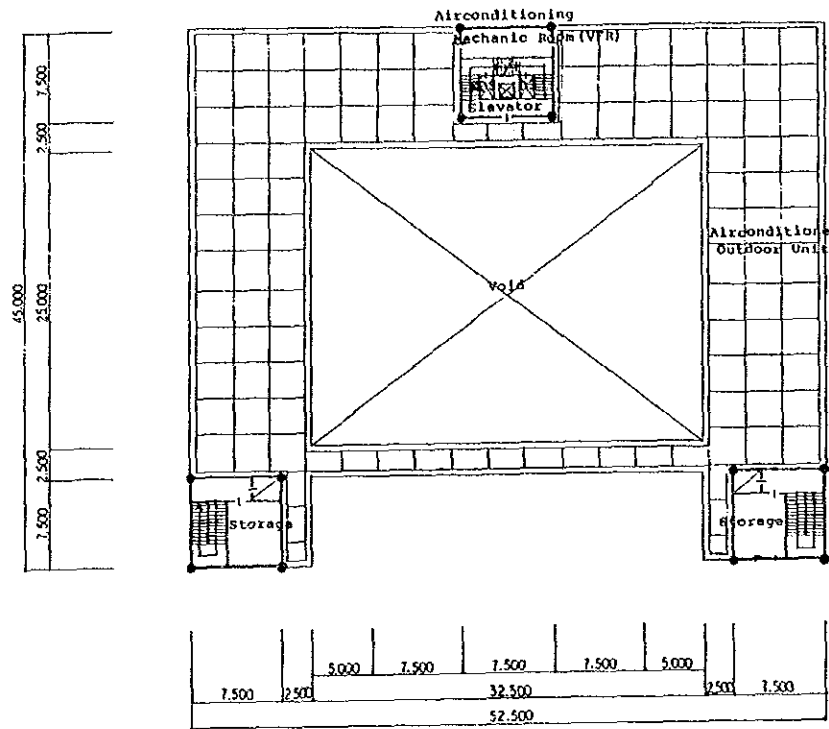
WUHAN TIANHUE AIRPORT LAYOUT PLAN OF AIR NAVIGATION FACILITIES



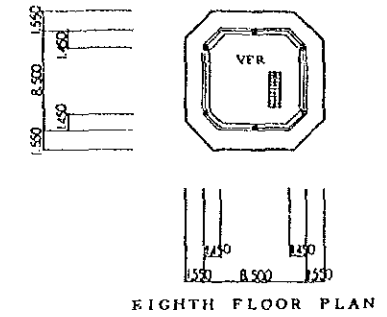
PEOPLE'S REPUBLIC OF CHINA FEASIBILITY STUDY ON THE CONSTRUCTION PROJECT OF WUHAN/TIANHE AIRPORT		
LAYOUT PLAN OF AIR NAVIGATION FACILITIES		
SCALE: 1 / 5,000	No.	MAR. 1990
JAPAN INTERNATIONAL COOPERATION AGENCY		
A - 162		



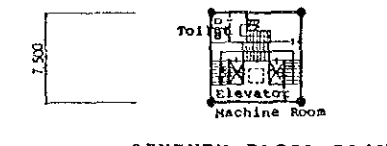
SECOND FLOOR PLAN



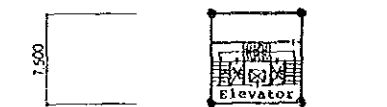
FOURTH FLOOR PLAN



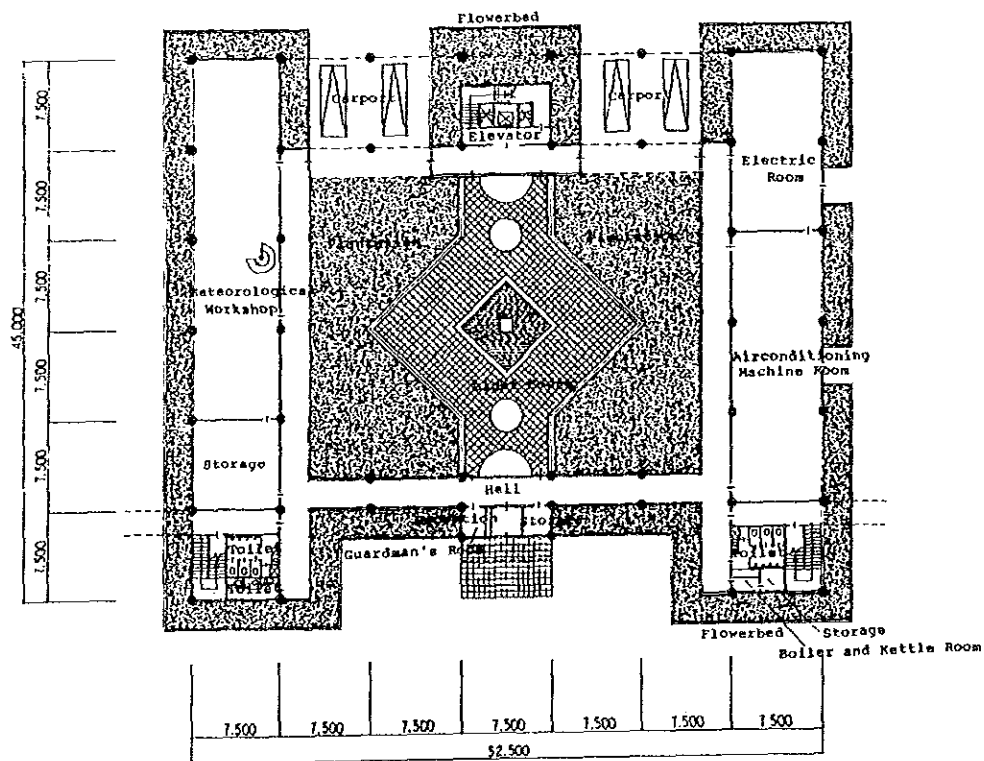
EIGHTH FLOOR PLAN



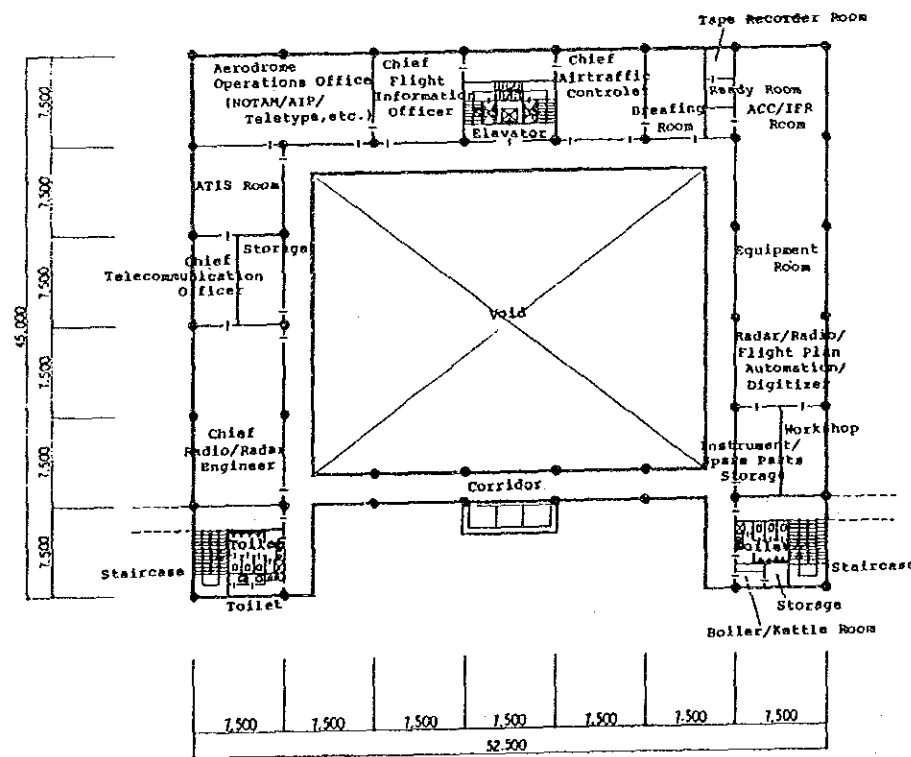
SEVENTH FLOOR PLAN



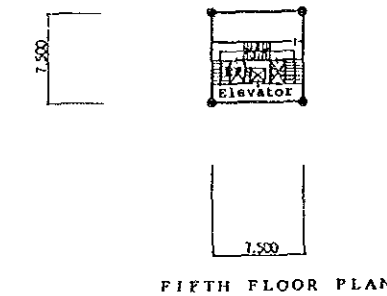
SIXTH FLOOR PLAN



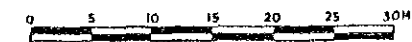
FIRST FLOOR PLAN

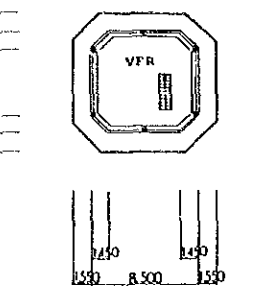


THIRD FLOOR PLAN

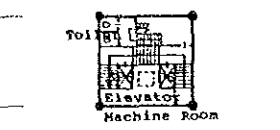


FIFTH FLOOR PLAN





EIGHTH FLOOR PLAN



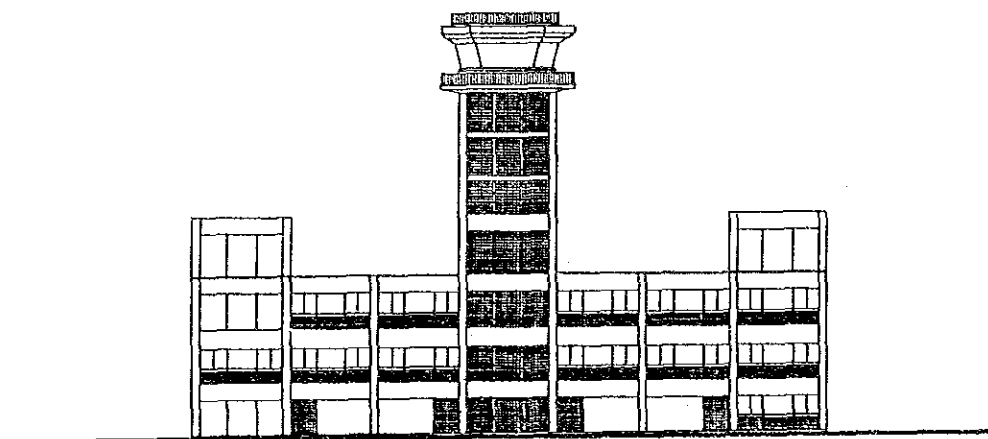
SEVENTH FLOOR PLAN



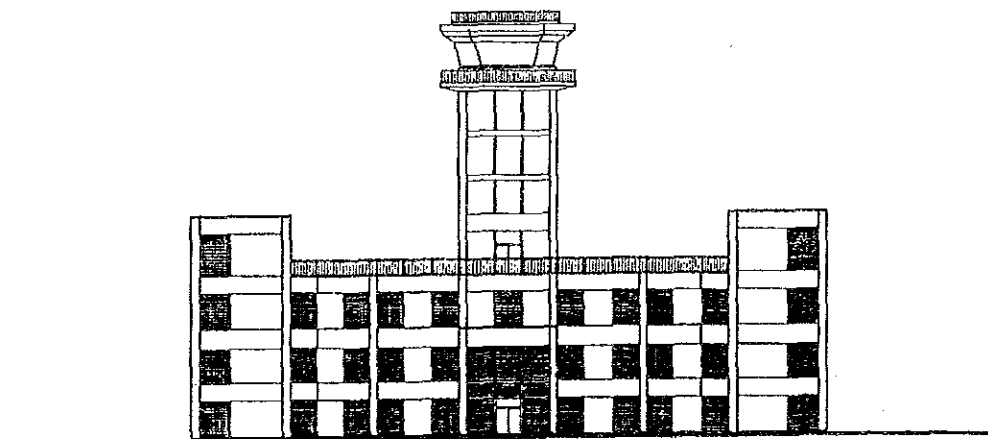
SIXTH FLOOR PLAN



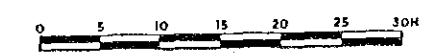
FIFTH FLOOR PLAN



AIRSIDE ELEVATION

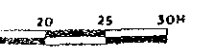


CURBSIDE ELEVATION

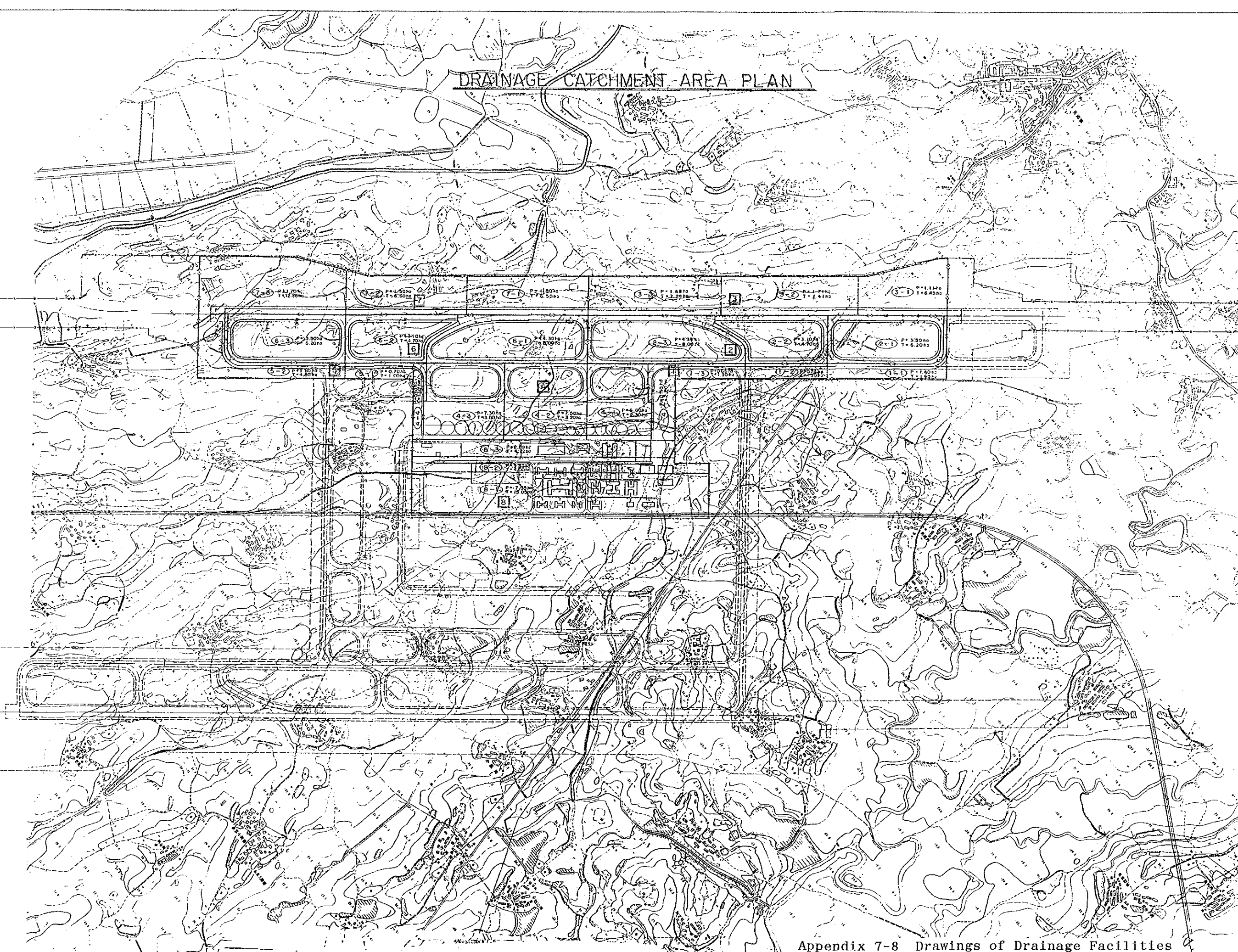


Appendix 7-7 Drawing of Air Traffic Control Tower and Meteorological Building

PEOPLE'S REPUBLIC OF CHINA / FEASIBILITY STUDY ON THE CONSTRUCTION PROJECT OF
 WUHAN/TIANHE AIRPORT AIR TRAFFIC CONTROL TOWER/METEOROLOGICAL BUILDING 1 : 600
 JAPAN INTERNATIONAL COOPERATION AGENCY(JICA) FLOOR PLANS AND ELEVATIONS A-163

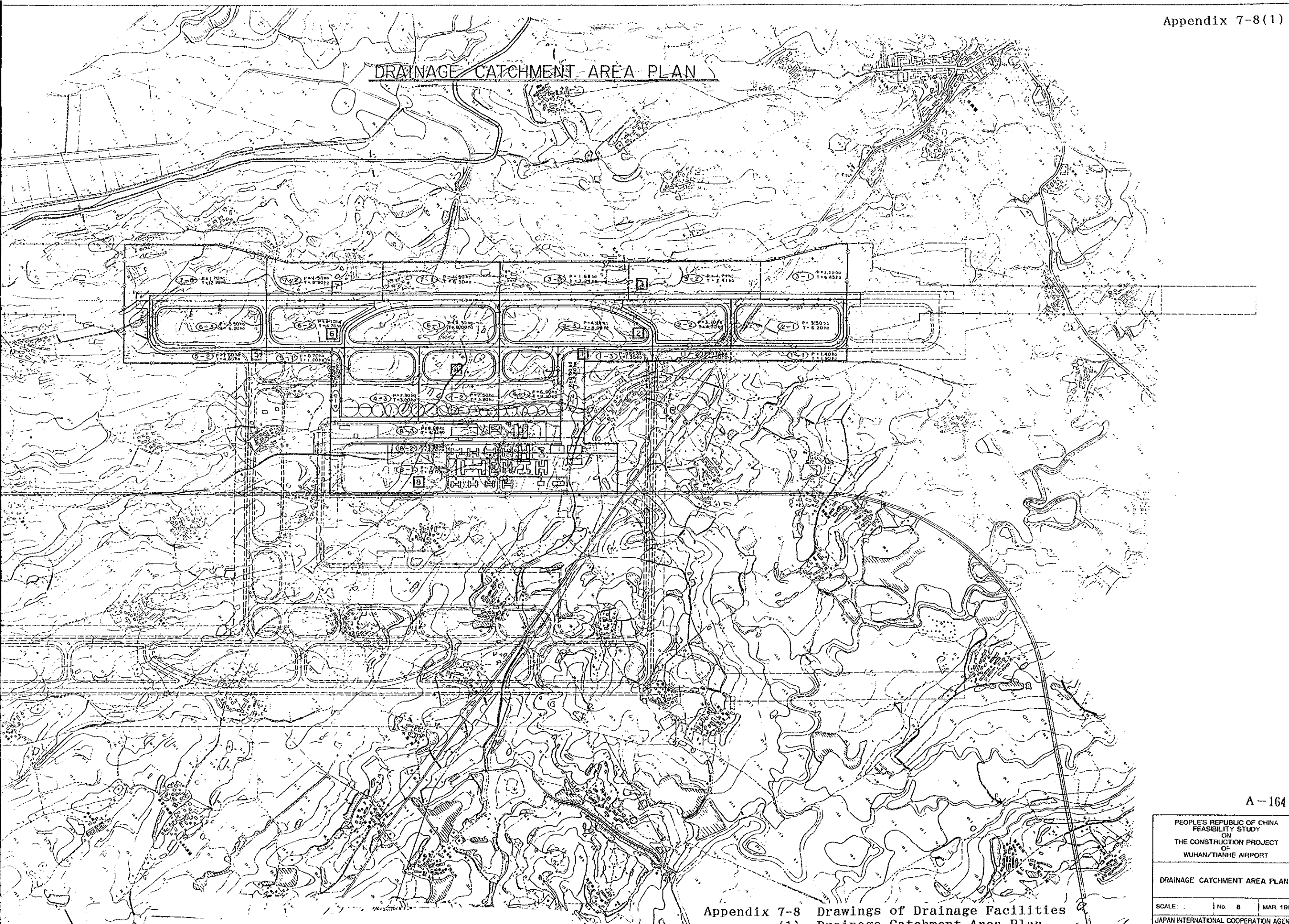


DRAINAGE CATCHMENT AREA PLAN



Appendix 7-8 Drawings of Drainage Facilities
(1) Drainage Catchment Area Plan

DRAINAGE CATCHMENT AREA PLAN

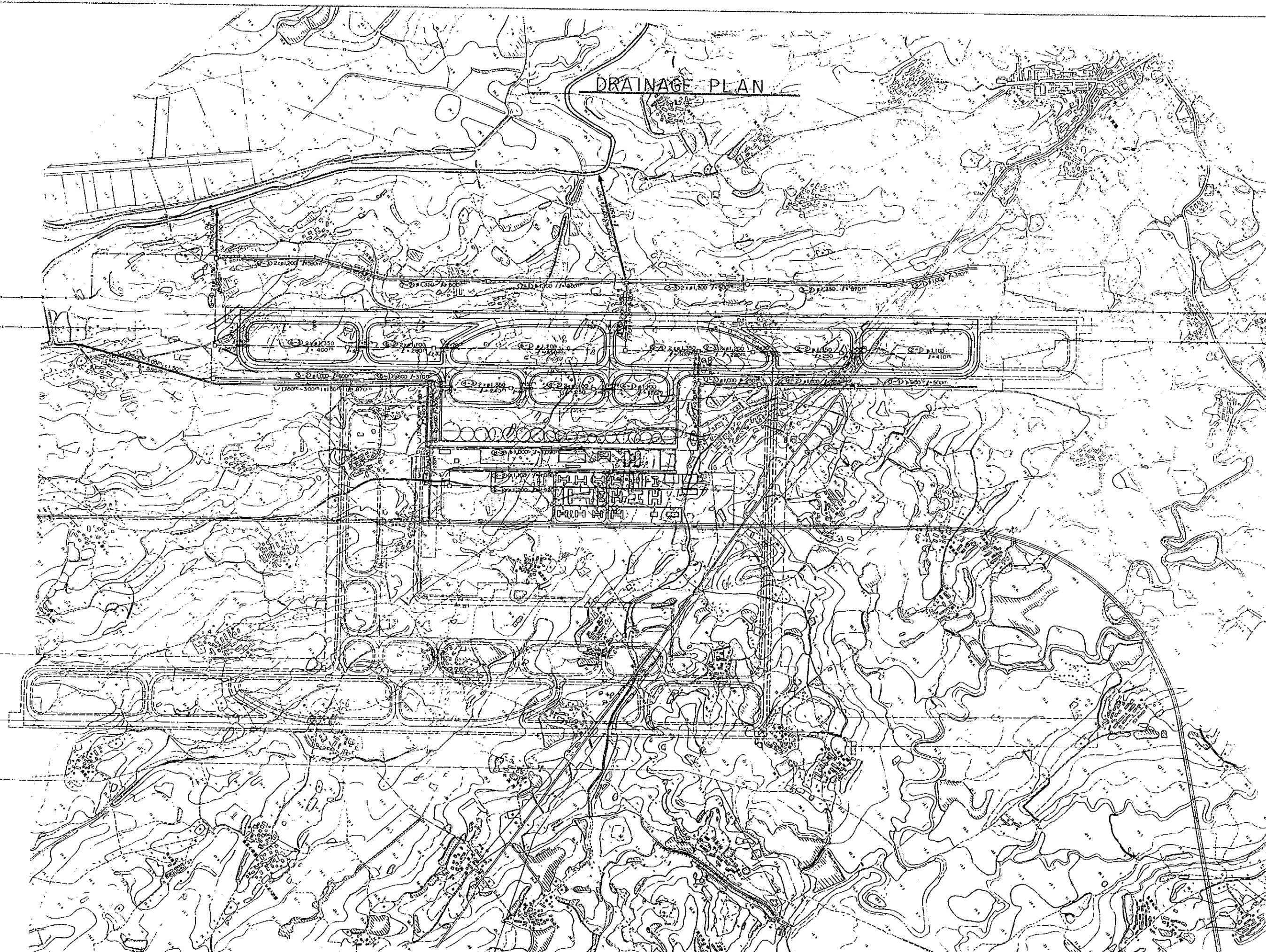


A-164

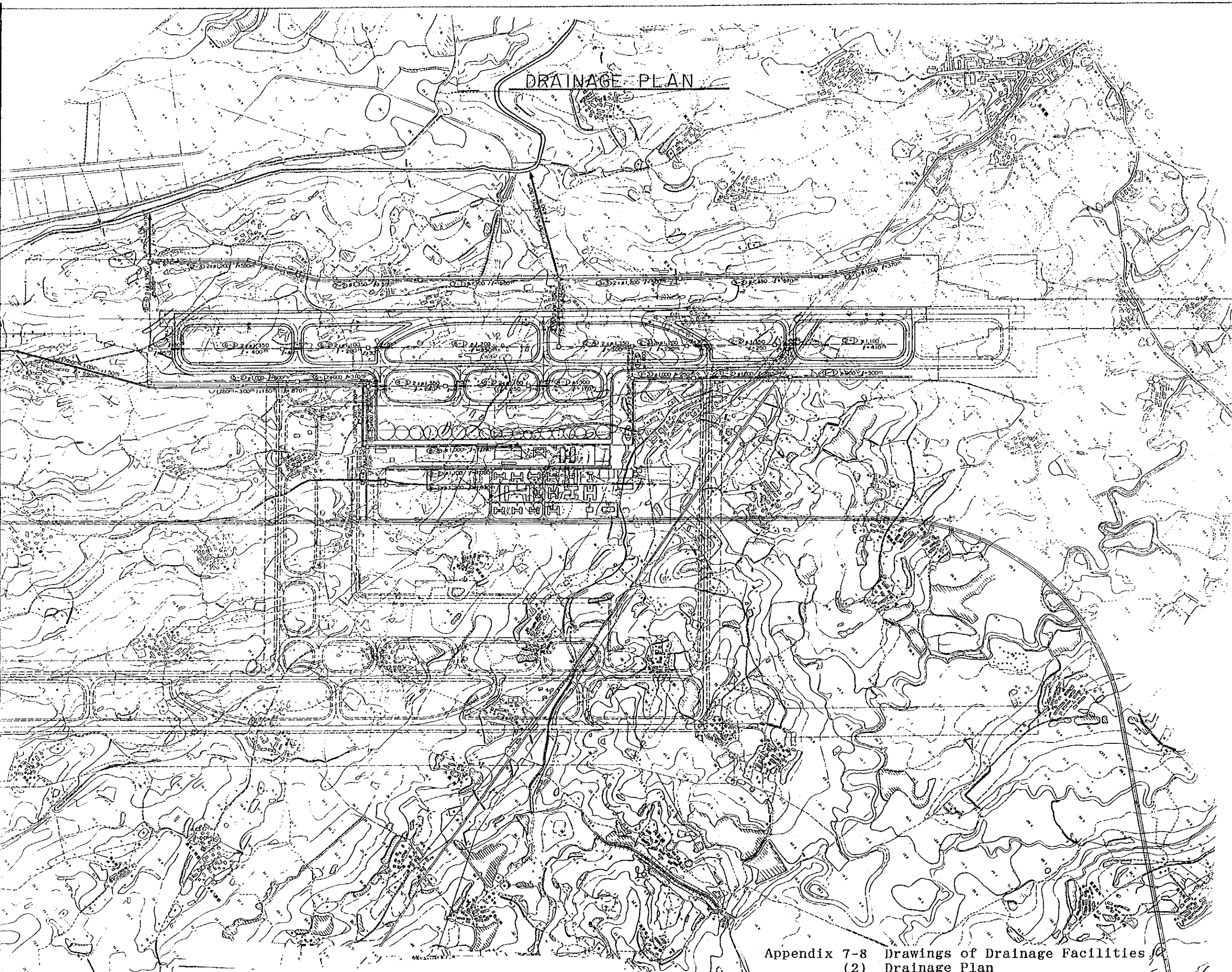
PEOPLE'S REPUBLIC OF CHINA FEASIBILITY STUDY ON THE CONSTRUCTION PROJECT OF WUHAN/TIANHE AIRPORT		
DRAINAGE CATCHMENT AREA PLAN		
SCALE:	No. 8	MAR 1990
JAPAN INTERNATIONAL COOPERATION AGENCY JICA		

Appendix 7-8 Drawings of Drainage Facilities
(1) Drainage Catchment Area Plan

DRAINAGE PLAN



Appendix 7-8 Drawings of Drainage Facilities
(2) Drainage Plan



DRAINAGE PLAN

MARK	MATERIAL
—	RC Pipe (90°)
—	RC Pipe (180°)
—	RC Pipe (360°)
—	U Shaped Ditch
—	Water Way

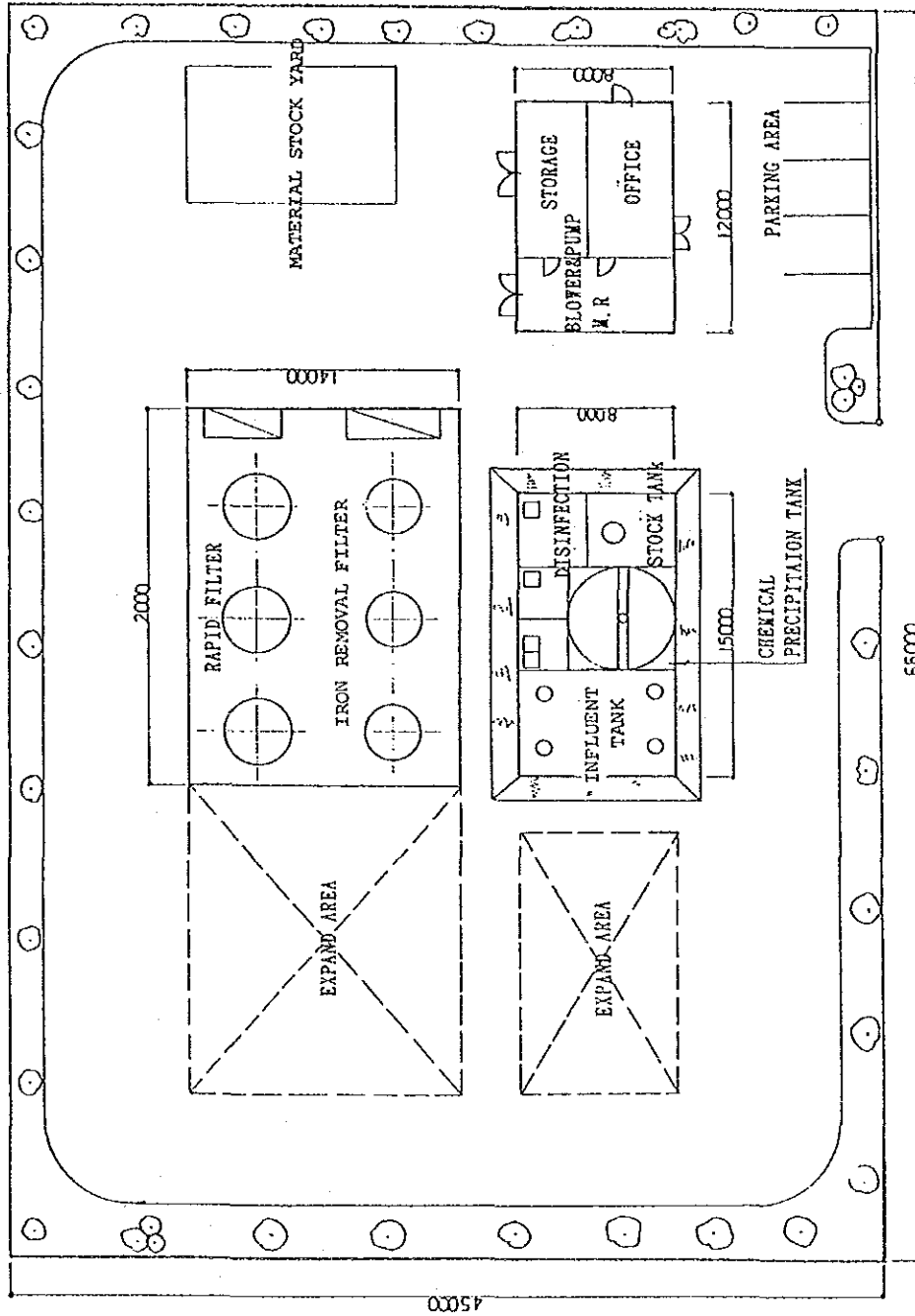
A - 165

PEOPLES REPUBLIC OF CHINA
FEASIBILITY STUDY
ON
THE CONSTRUCTION PROJECT
OF
WUHAN/TIANHE AIRPORT

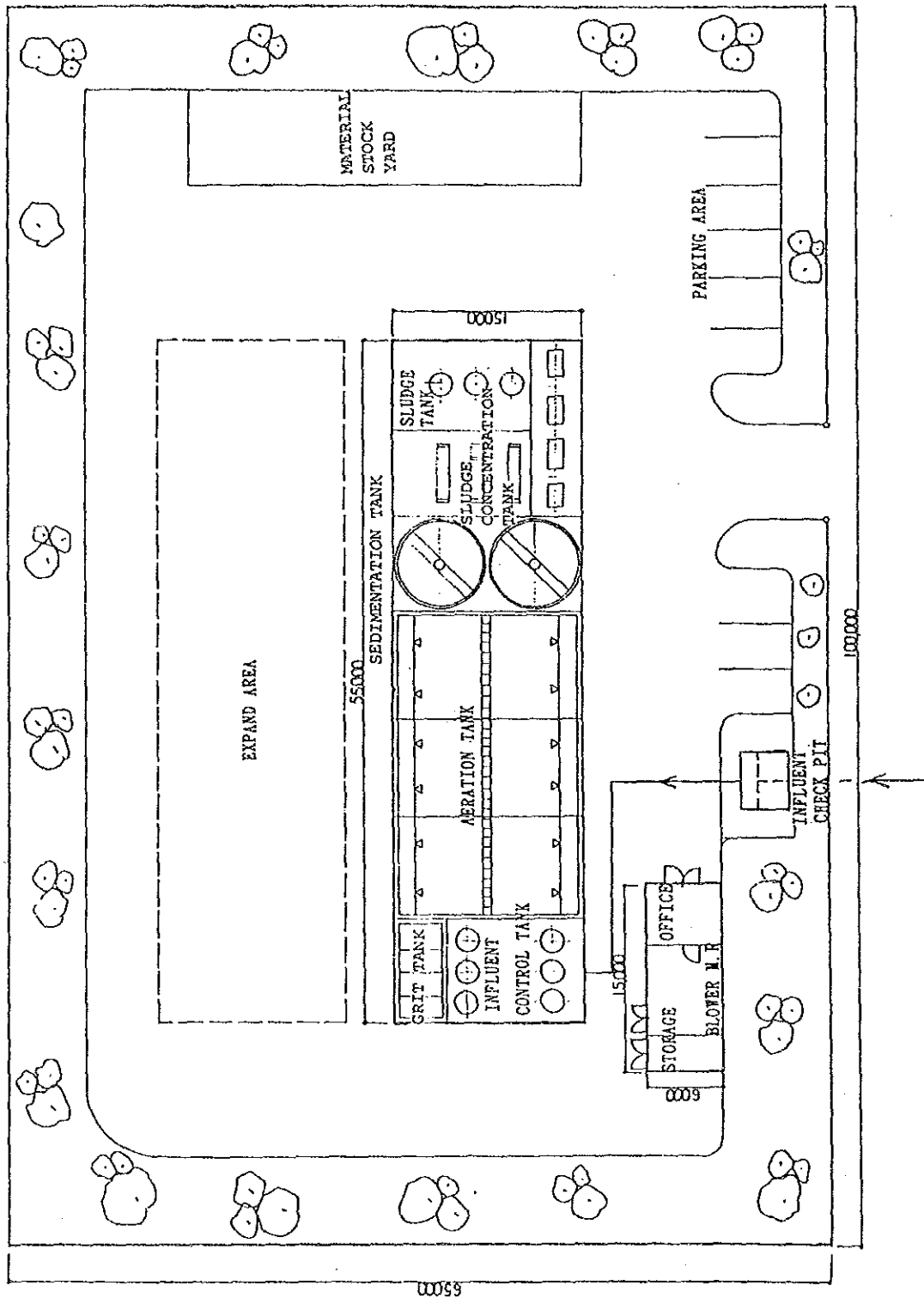
DRAINAGE PLAN

SCALE: . No. 9 MAR 1990
JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

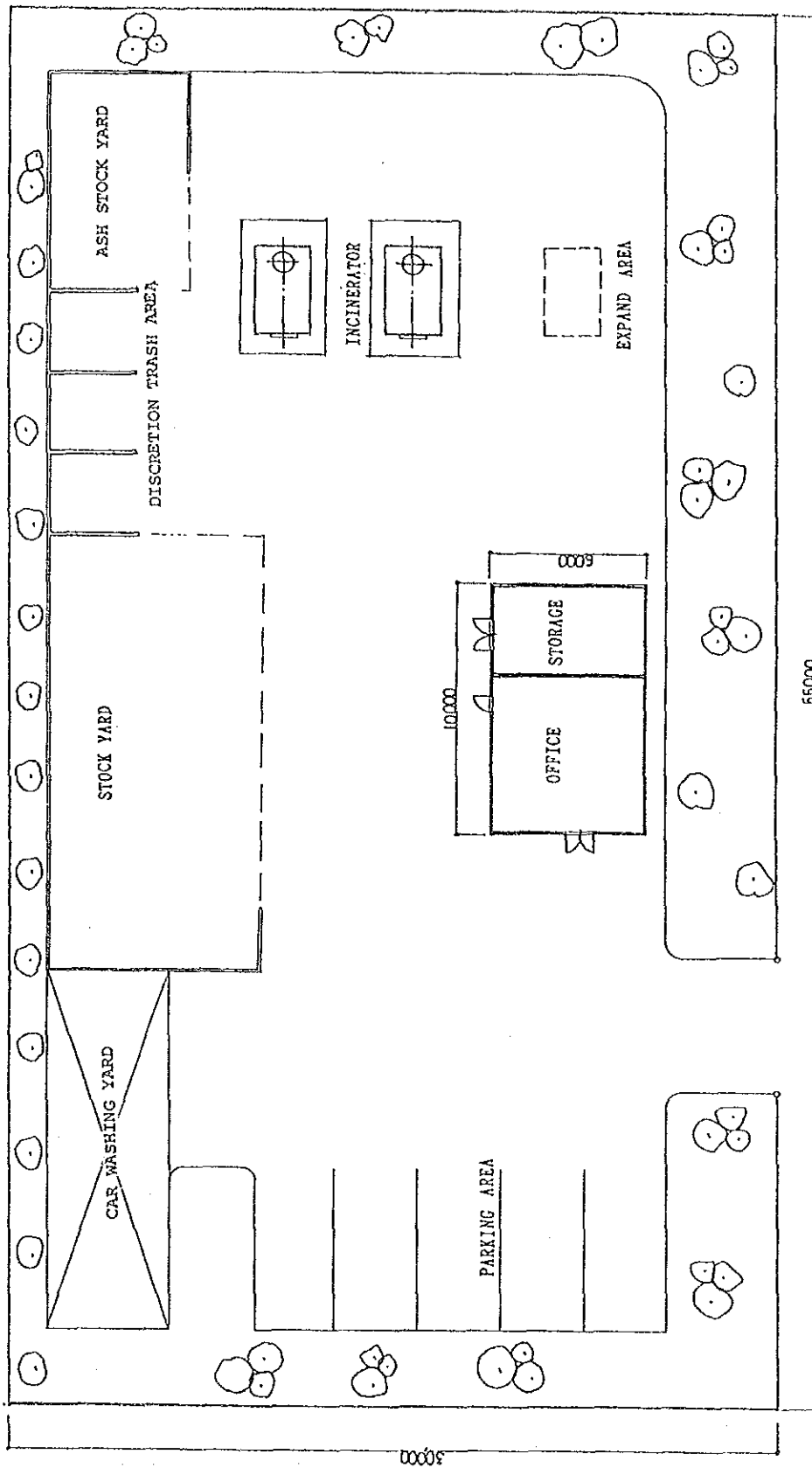
Appendix 7-8 Drawings of Drainage Facilities
(2) Drainage Plan



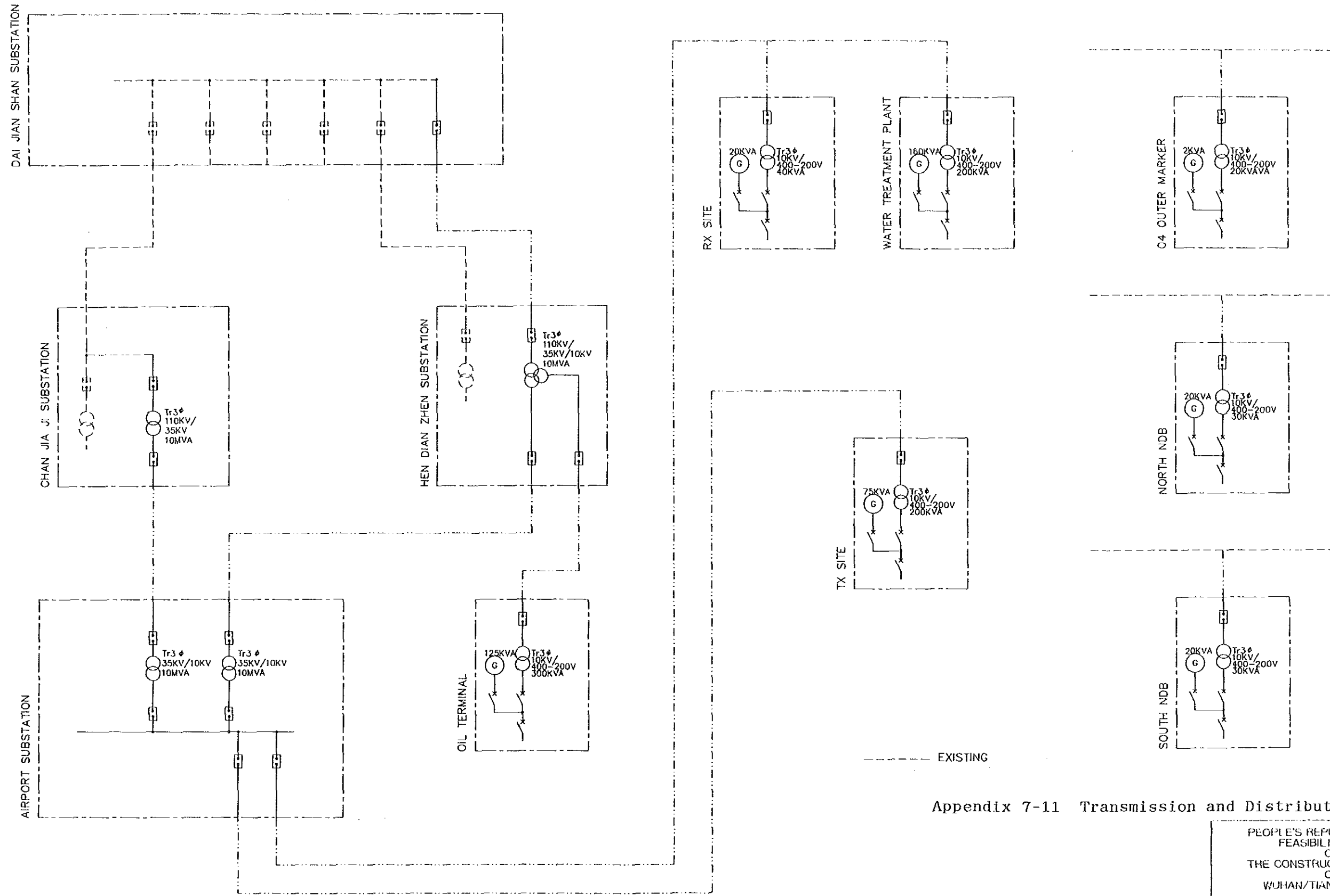
Appendix 7-9 Water Treatment Facility Layout Plan



Appendix 7-10 Sewage Disposal Facility Layout Plan
 (1) Sewage Treatment Facility



Appendix 7-10 Sewage Disposal Facility Layout Plan
 (2) Trash Disposal Facility



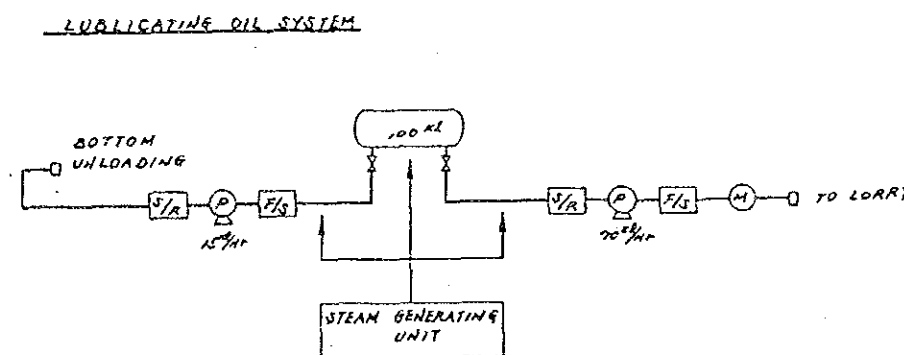
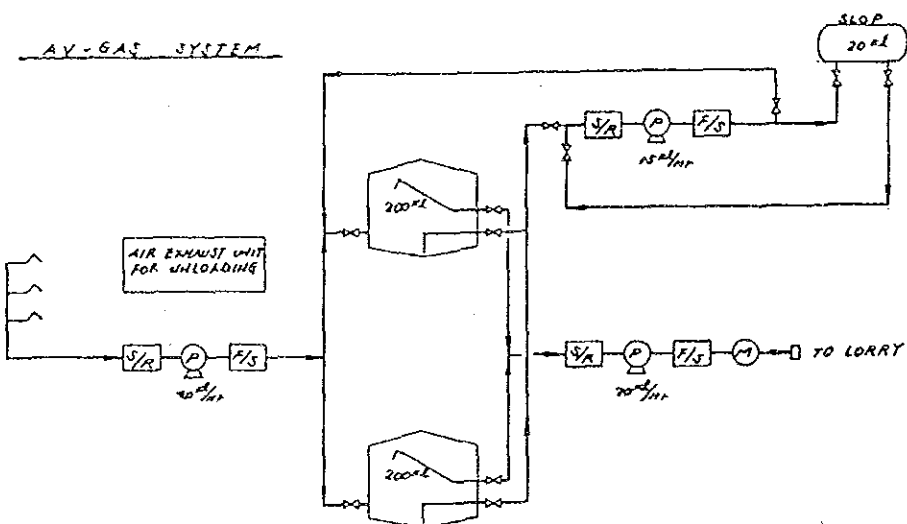
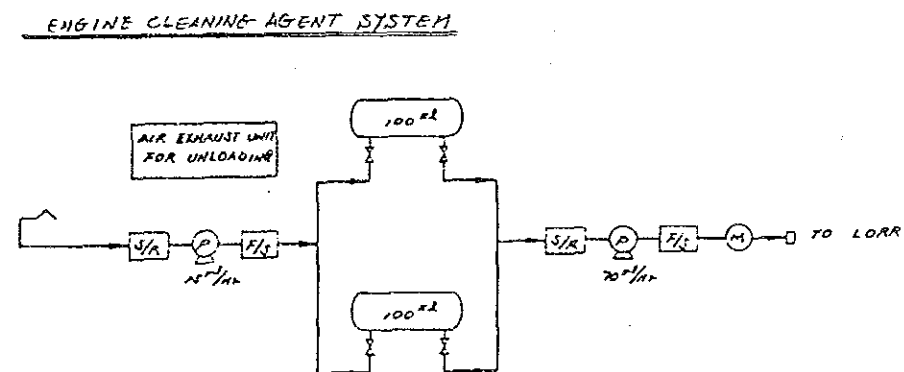
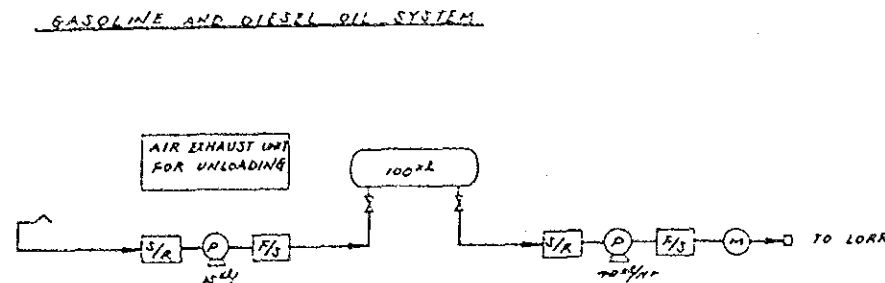
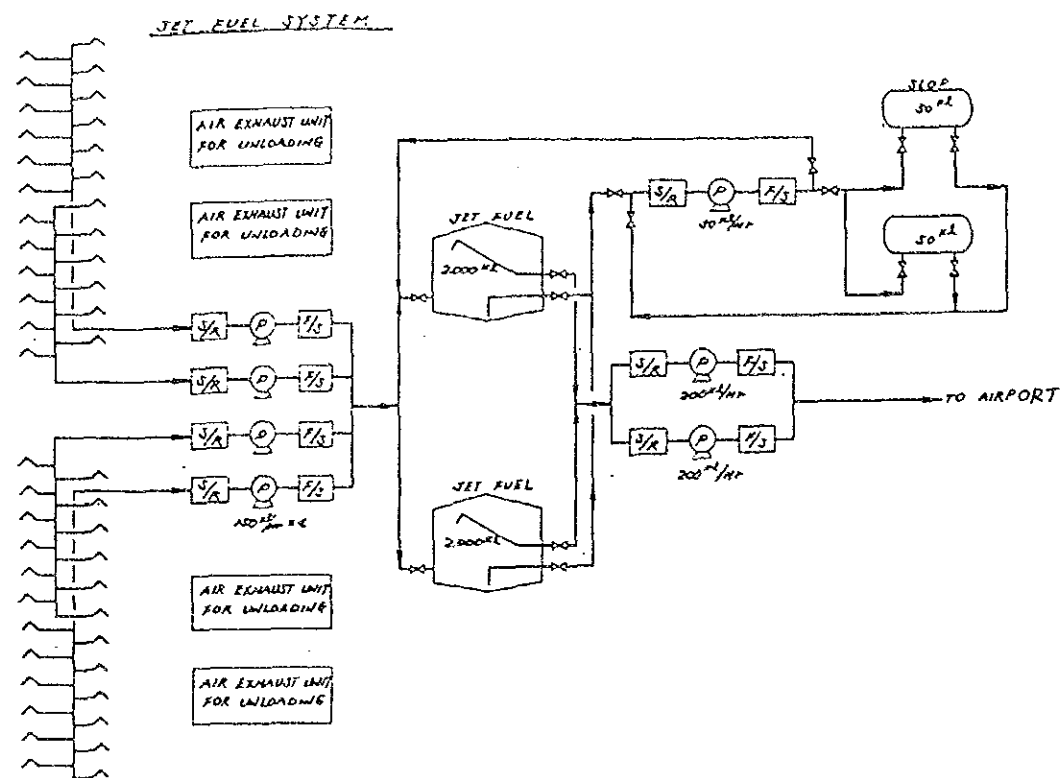
Appendix 7-11 Transmission and Distribution Diagram

WUHAN TIANHUE AIRPORT TRANSMISSION AND DISTRIBUTION DIAGRAM

PEOPLE'S REPUBLIC OF CHINA
 FEASIBILITY STUDY
 ON
 THE CONSTRUCTION PROJECT
 OF
 WUHAN/TIANHE AIRPORT

TRANSMISSION AND
 DISTRIBUTION DIAGRAM

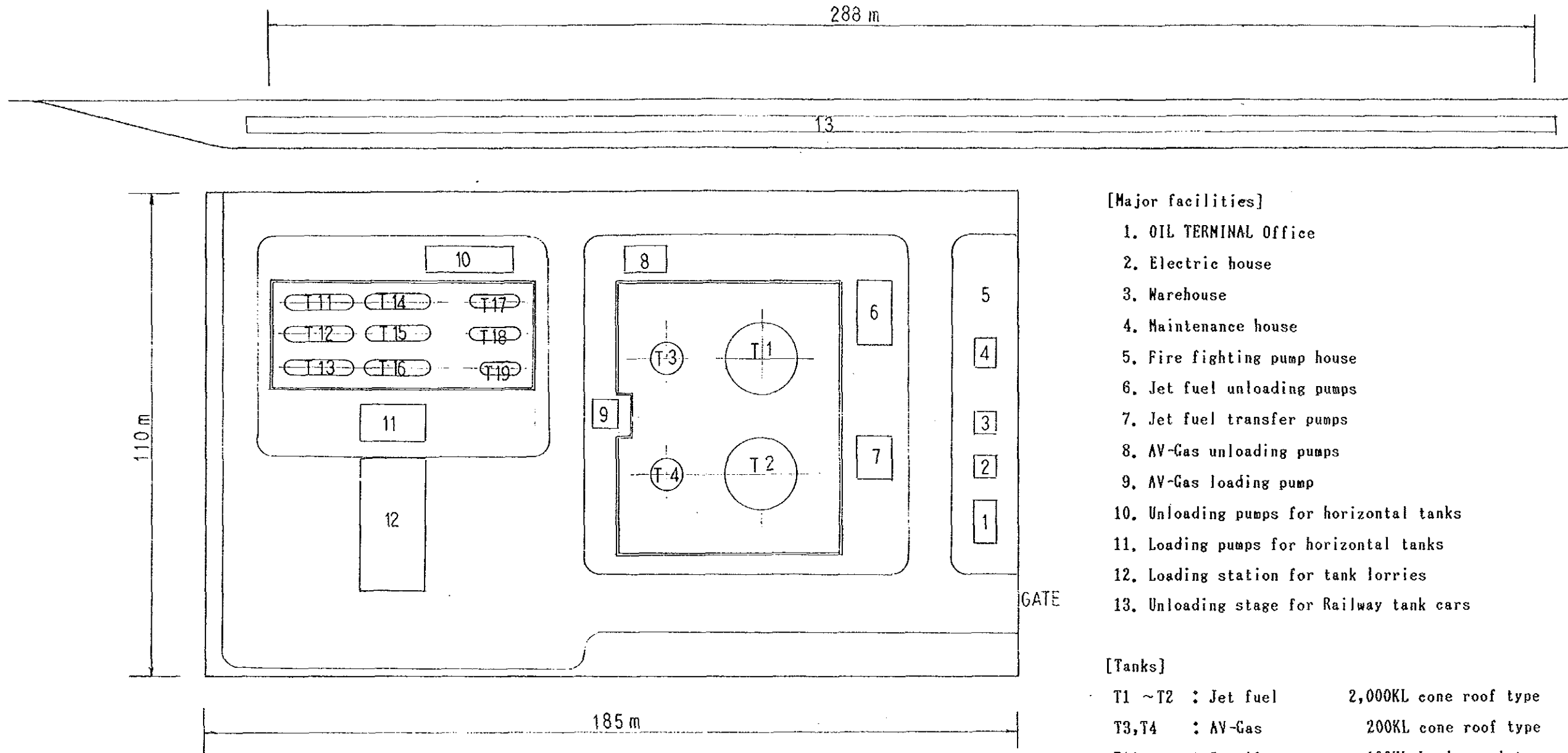
SCALE: _____ DATE: _____
 JAPAN INTERNATIONAL COOPERATION AGENCY



LEGEND

SYMBOL	DESCRIPTION
	PUMP
	FILTER SEPARATOR
	STRAINER
	FLOW METER
	UNLOADING ARM
	COUPLING
	FLOATING SUCTION PIPE

Appendix 7-12 Drawings of Fuel Supply Facility
 (1) System Flow Diagram for Oil Terminal



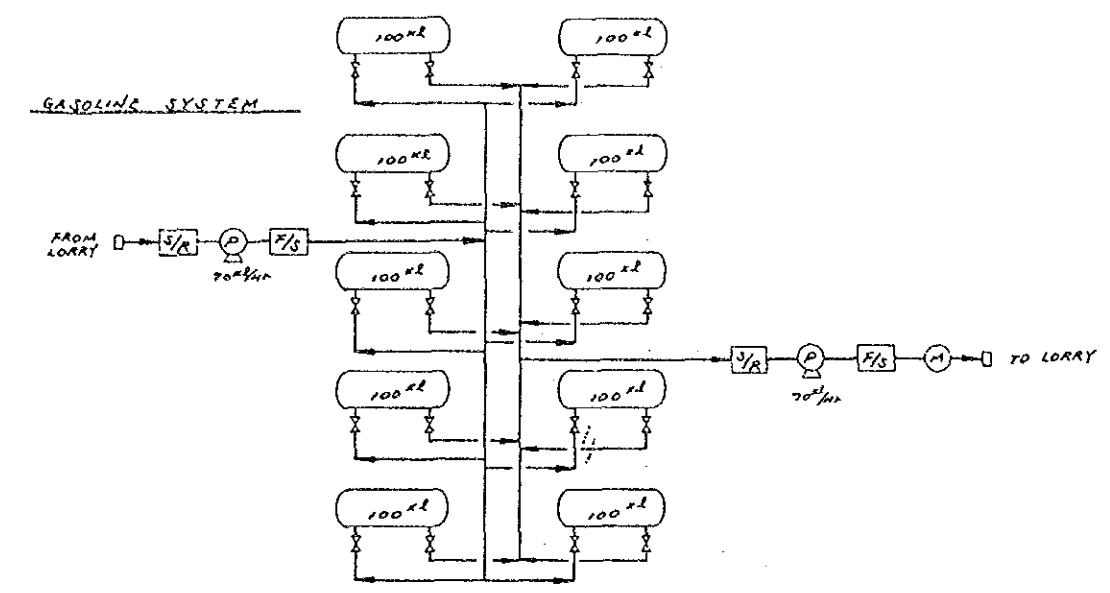
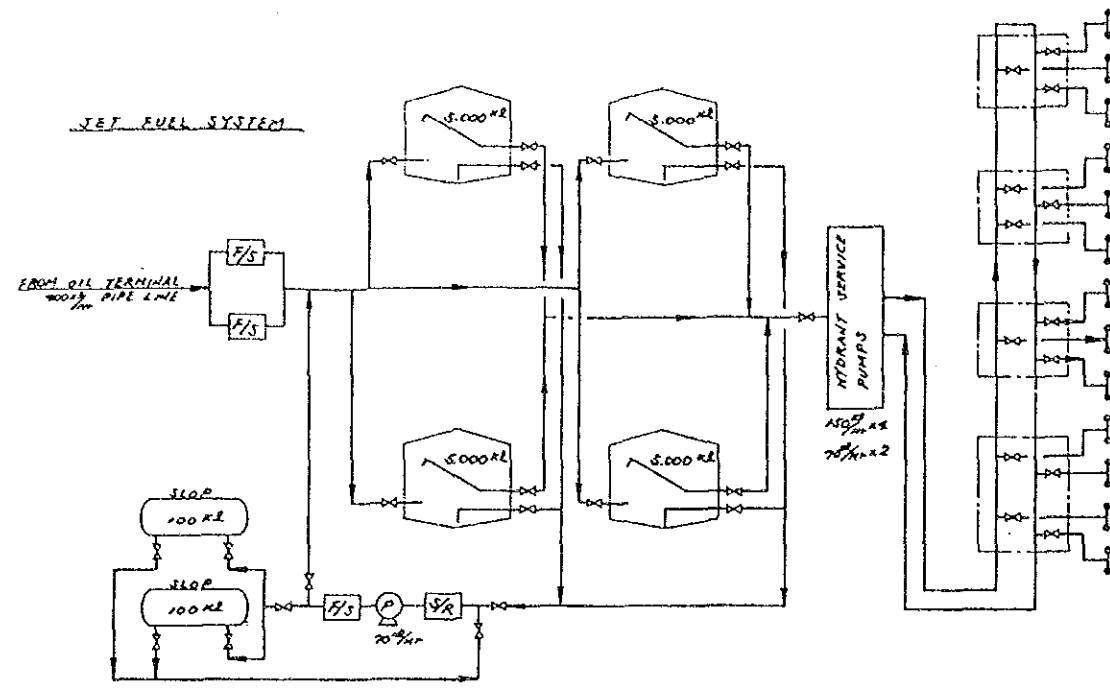
[Major facilities]

1. OIL TERMINAL Office
2. Electric house
3. Warehouse
4. Maintenance house
5. Fire fighting pump house
6. Jet fuel unloading pumps
7. Jet fuel transfer pumps
8. AV-Gas unloading pumps
9. AV-Gas loading pump
10. Unloading pumps for horizontal tanks
11. Loading pumps for horizontal tanks
12. Loading station for tank lorries
13. Unloading stage for Railway tank cars

[Tanks]

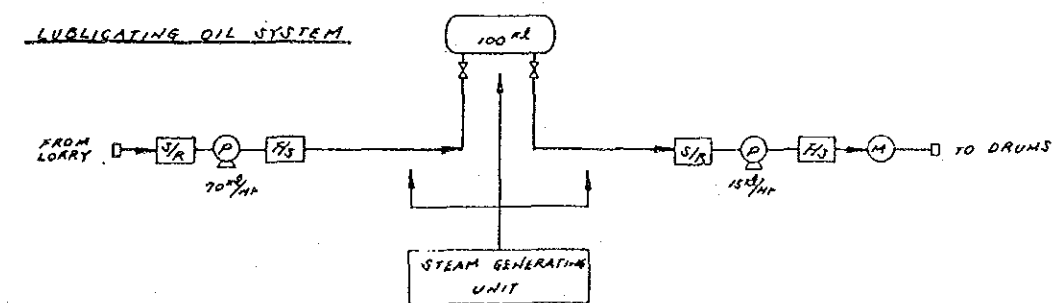
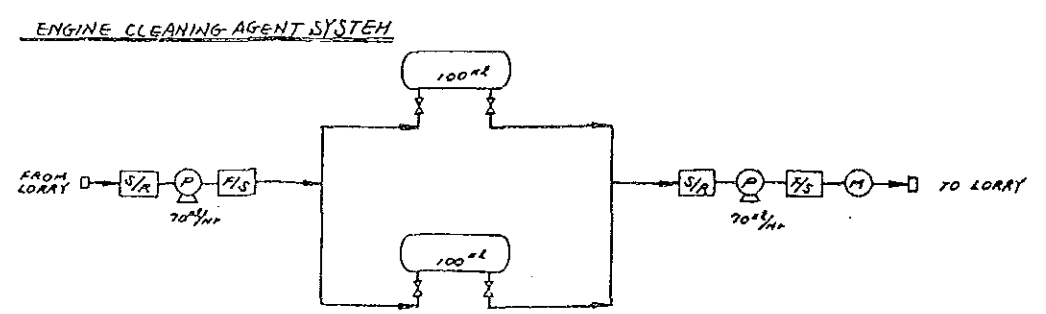
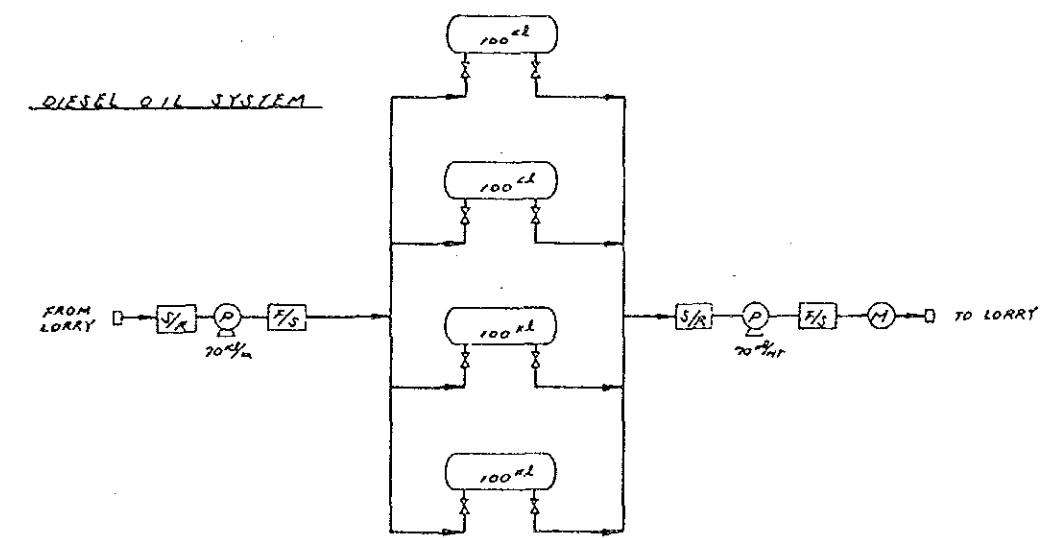
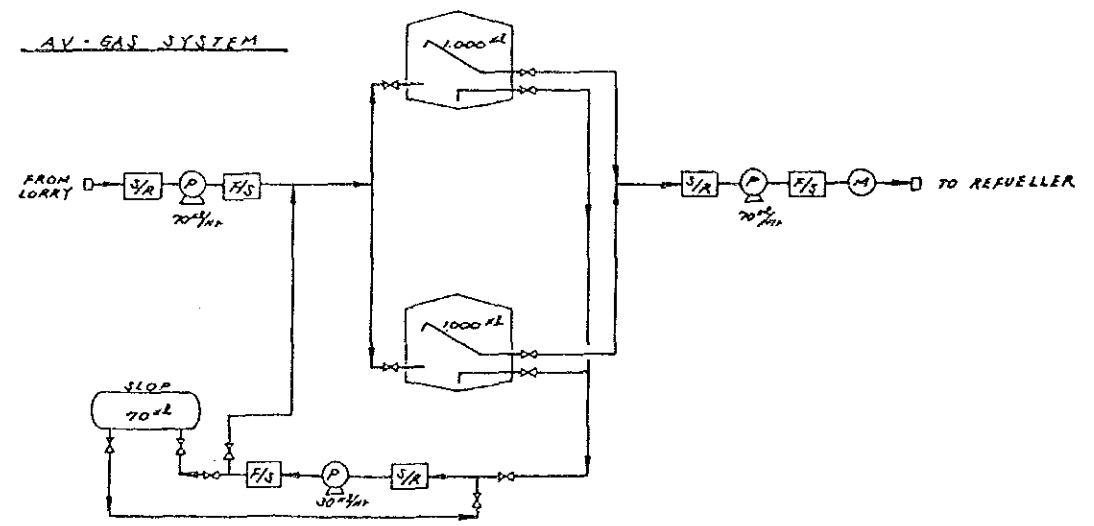
- | | | |
|----------|-------------------------|------------------------|
| T1 ~T2 | : Jet fuel | 2,000KL cone roof type |
| T3, T4 | : AV-Gas | 200KL cone roof type |
| T11 | : Gasoline | 100KL horizontal type |
| T12 | : Diesel oil | 100KL ditto |
| T13, T14 | : Engine cleaning Agent | 100KL ditto |
| T15 | : Lubricating oil | 100KL ditto |
| T16 | : ditto | 100KL ditto |
| T17, T18 | : Slop of Jet fuel | 50KL ditto |
| T19 | : Slop of AV-Gas | 20KL ditto |

Appendix 7-12 Drawings of Fuel Supply Facility
(2) Oil Terminal Layout Plan

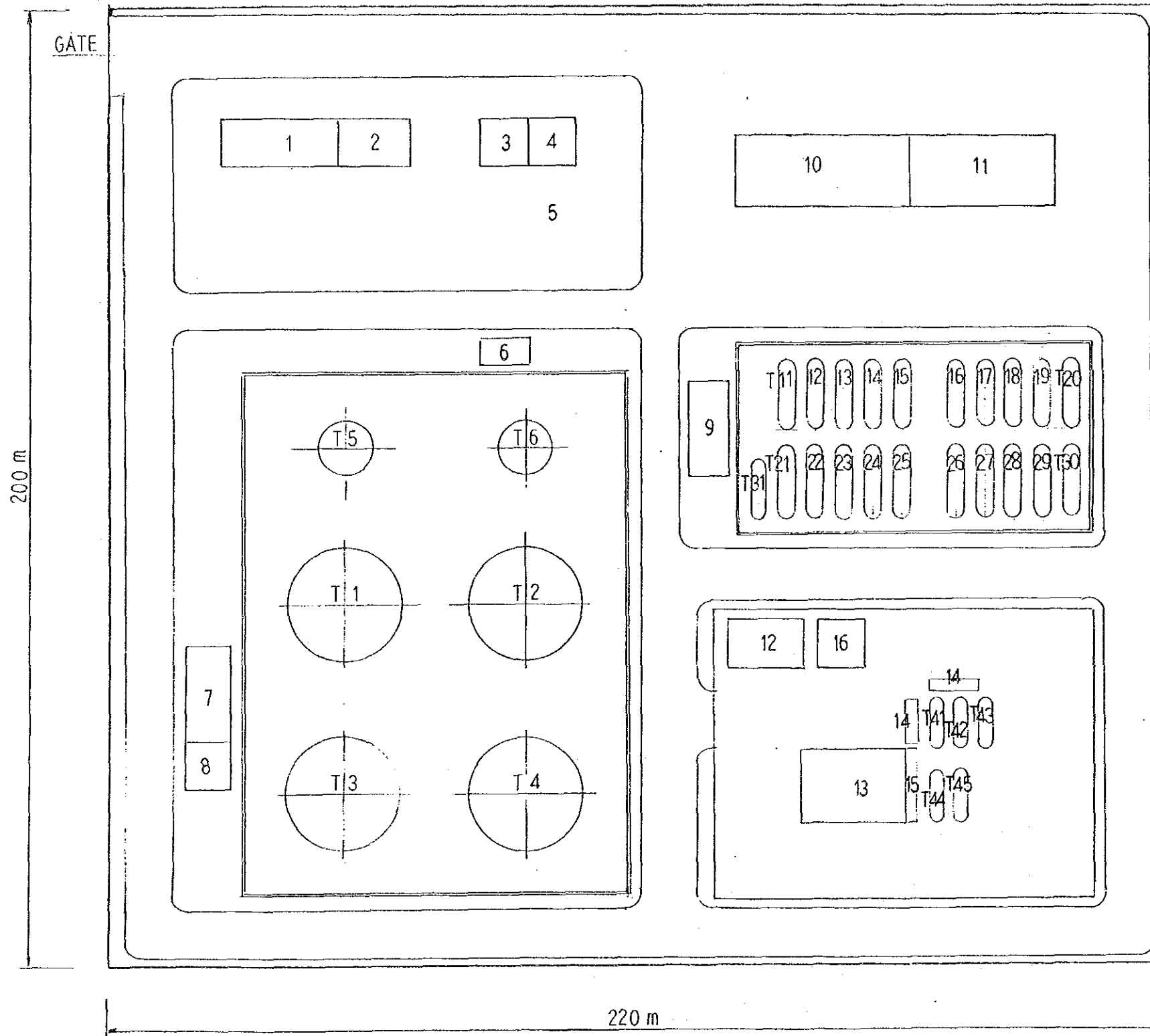


LEGEND

SYMBOL	DESCRIPTION
(P)	PUMP
(F/S)	FILTER SEPARATOR
(S/A)	STRAINER
(M)	FLOW METER
(H)	HYDRANT VALVE
(C)	COUPLING
(FP)	FLOATING SUCTION PIPE



Appendix 7-12 Drawings of Fuel Supply Facility
(3) System Flow Diagram for Airport Fuel Depot.



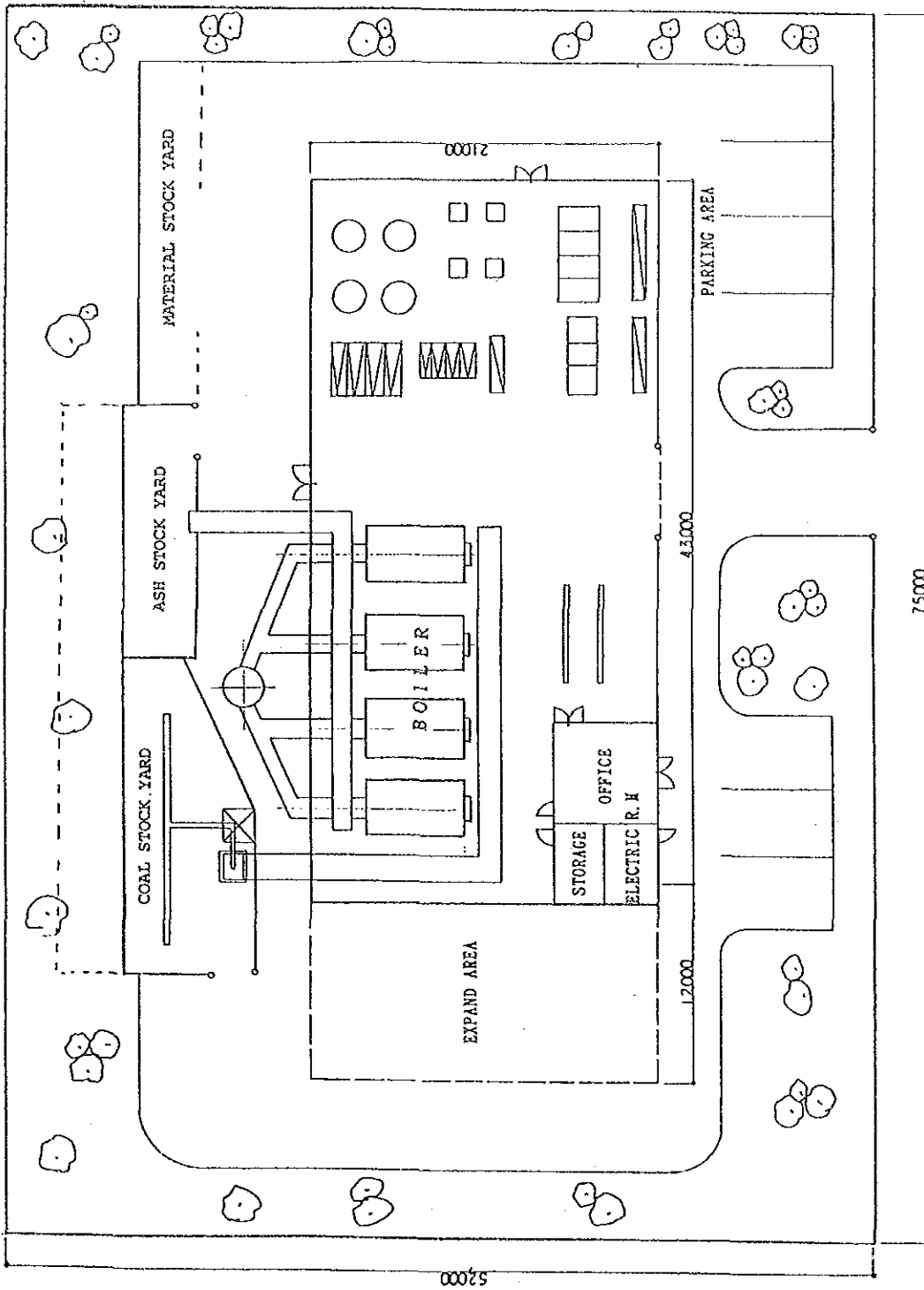
[Major Facilities]

1. AIR PORT DEPOT Office
2. Electric house
3. Warehouse
4. Maintenance house
5. Fire fighting pump house
6. Delivering pumps
7. Hydrant pumps and filter-separators
8. Filter-separaters for jet fuel reception
9. Delivering pumps from horizontal tanks
10. Unloading station w/pumps from tank lorries
11. Delivering station for refuellers, tank lorries and drums
12. LP Gas station office
13. LP Gas filling station
14. LP Gas unloading station
15. LP Gas pumps and compressors
16. Sprinkler pump for LP Gas facilities

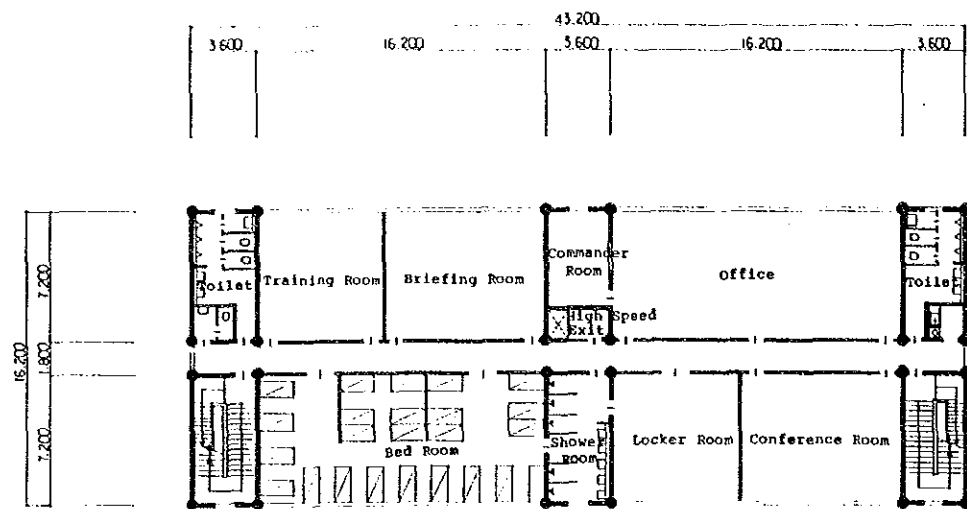
[Tanks]

- | | | |
|---------|-------------------------|------------------------|
| T1 ~T4 | : Jet fuel | 5,000KL cone roof type |
| T5,T6 | : AV-Gas | 1,000KL cone roof type |
| T11~T20 | : Gasoline | 100KL horizontal type |
| T21~T24 | : Diesel oil | 100KL ditto |
| T25,T26 | : Engine cleaning Agent | 100KL ditto |
| T27 | : Lublicating oil | 100KL ditto |
| T28 | : ditto | 100KL ditto |
| T29,T30 | : Slop of Jet fuel | 100KL ditto |
| T31 | : Slop of AV-Gas | 70KL ditto |

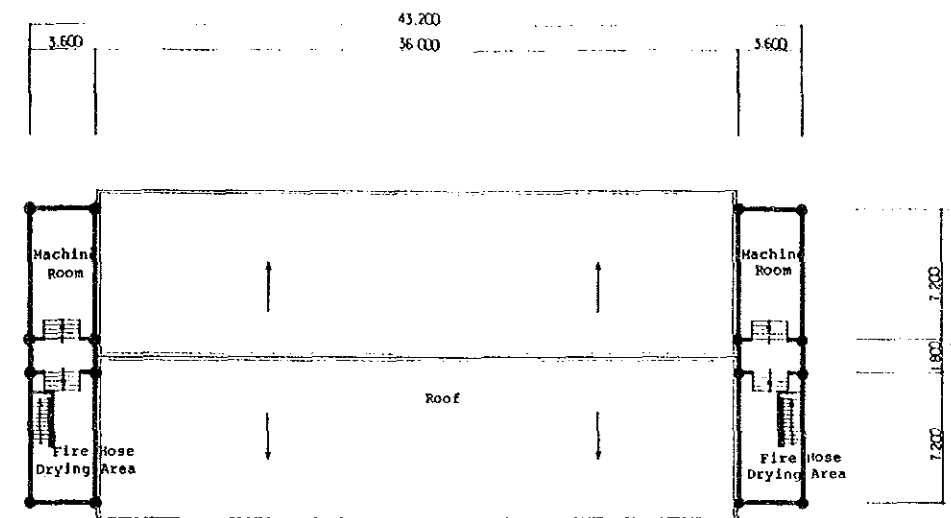
Appendix 7-12 Drawings of Fuel Supply Facility
(4) Airport Fuel Depot Layout Plan



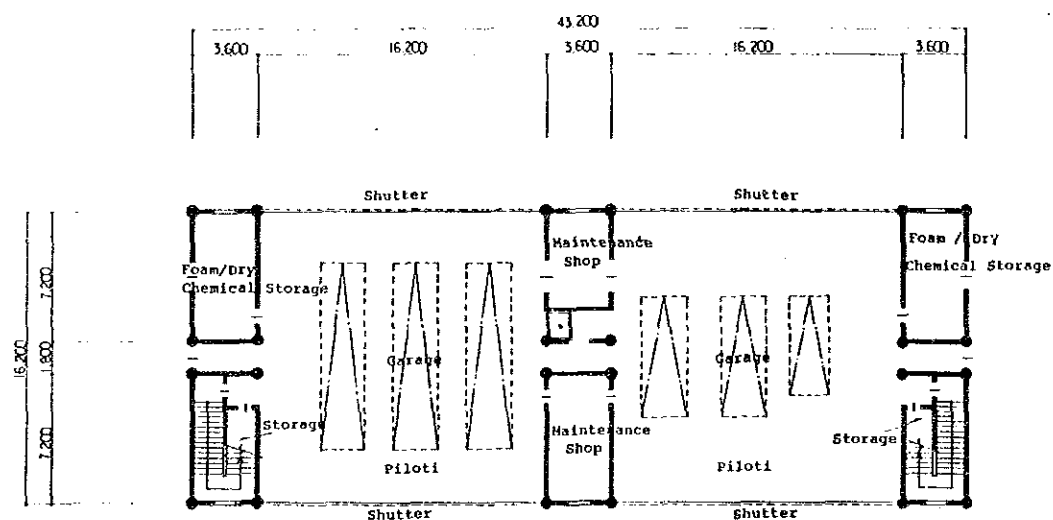
Appendix 7-13 Boiler Station Layout Plan



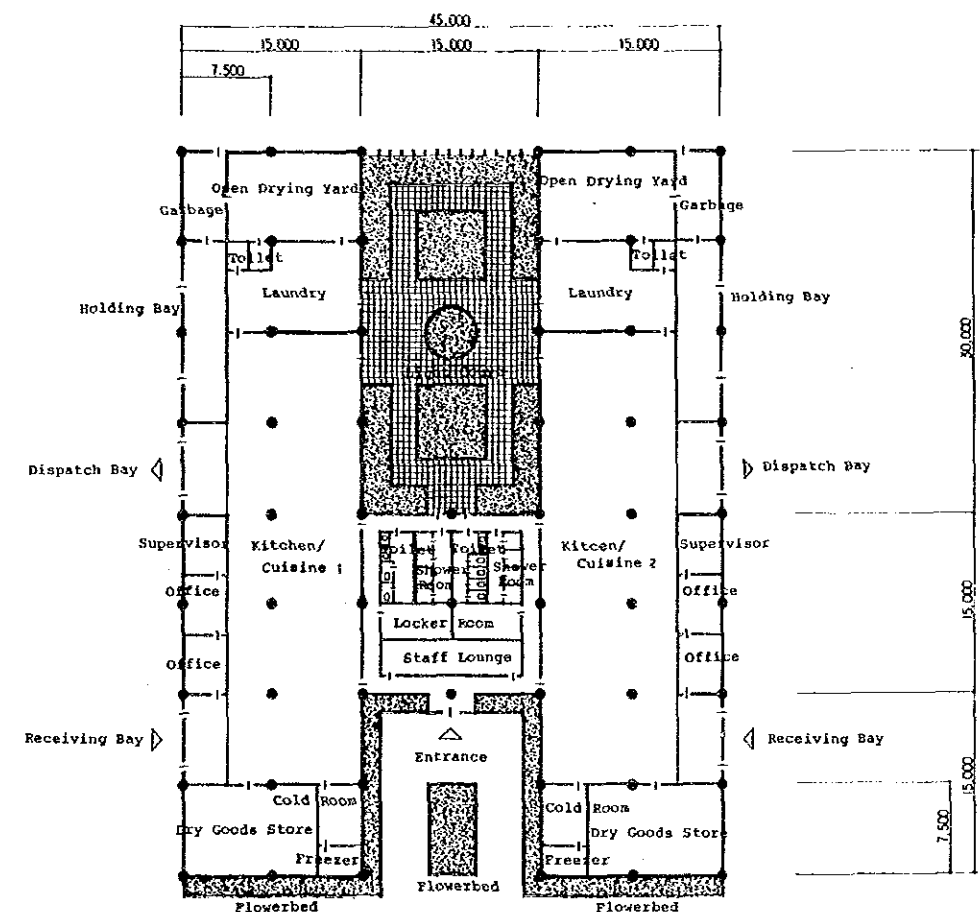
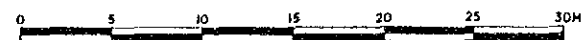
SECOND FLOOR PLAN



ROOF PLAN

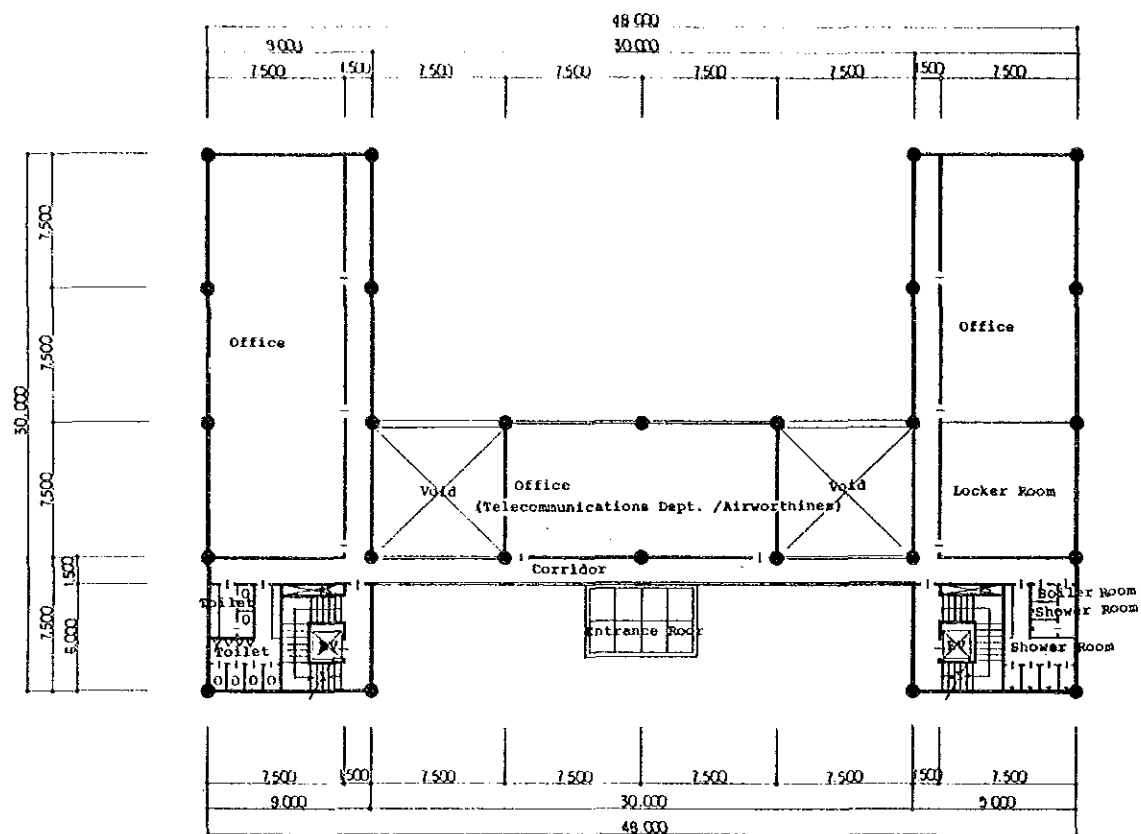


FIRST FLOOR PLAN

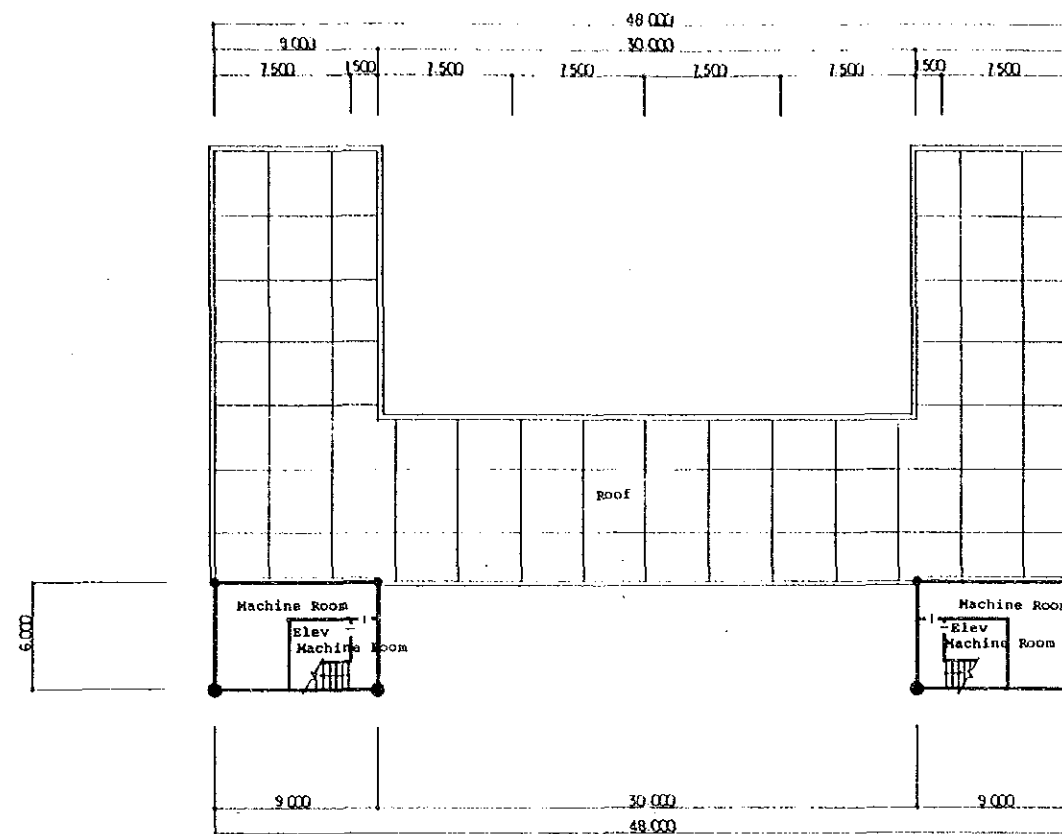


FIRST FLOOR PLAN

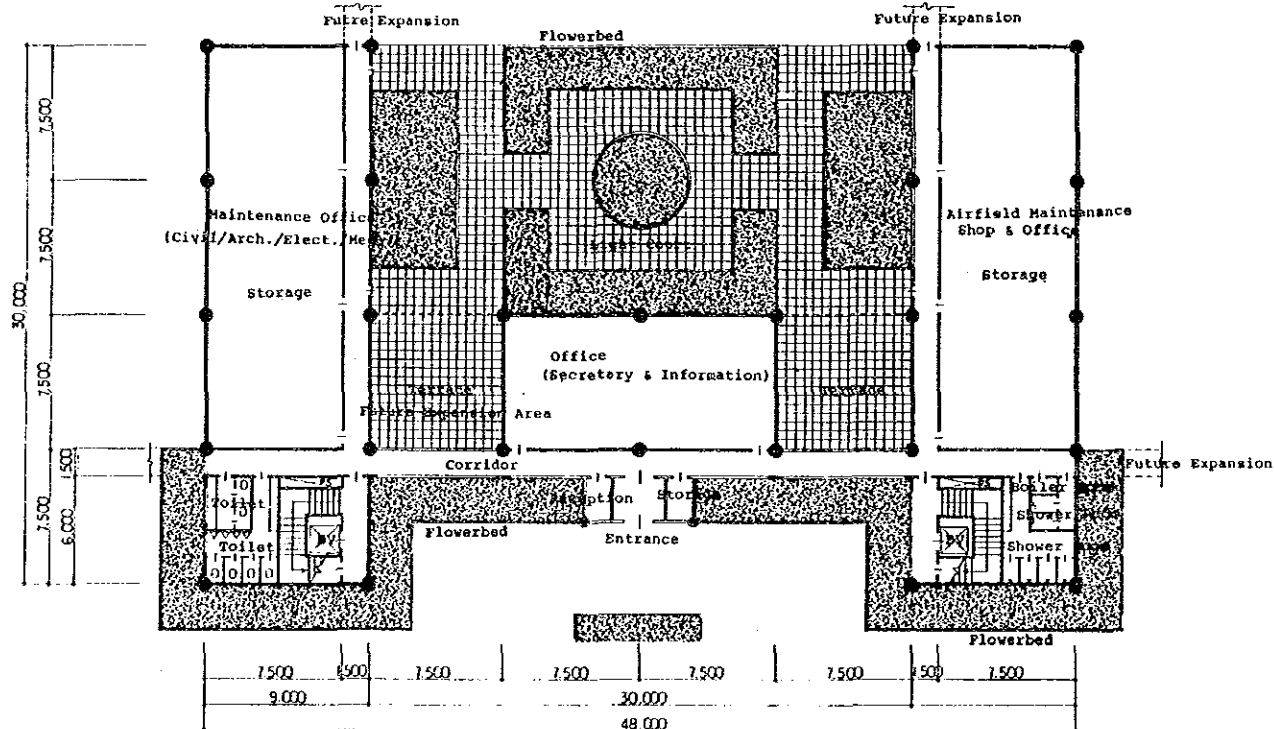
Appendix 7-14 Drawings of Related Buildings
 (1) Firefighting Building and Catering Building



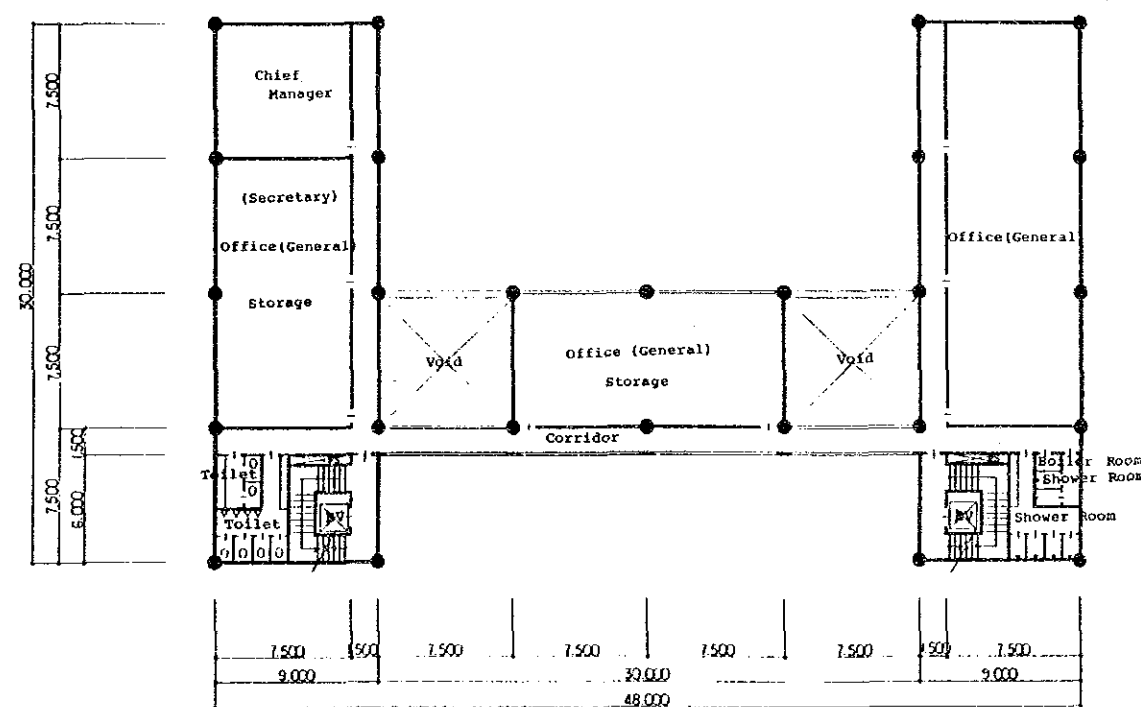
SECOND FLOOR PLAN



FOURTH FLOOR PLAN

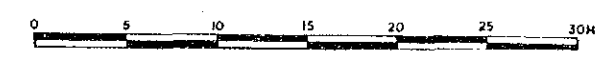


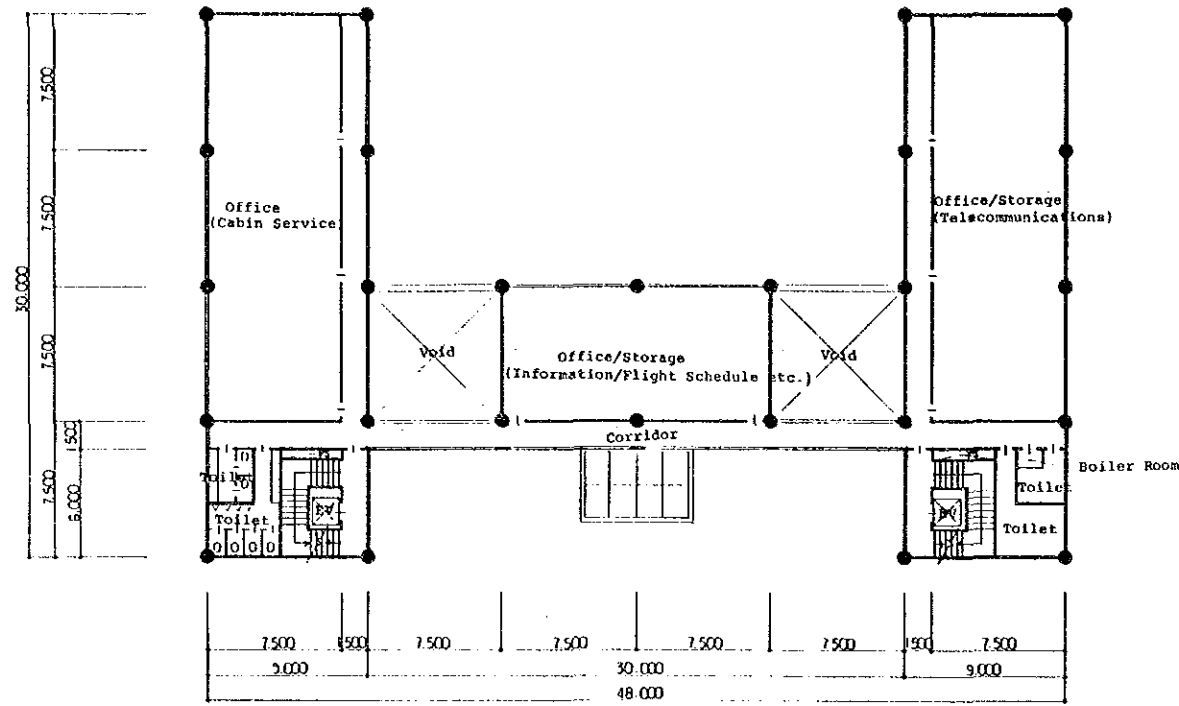
FIRST FLOOR PLAN



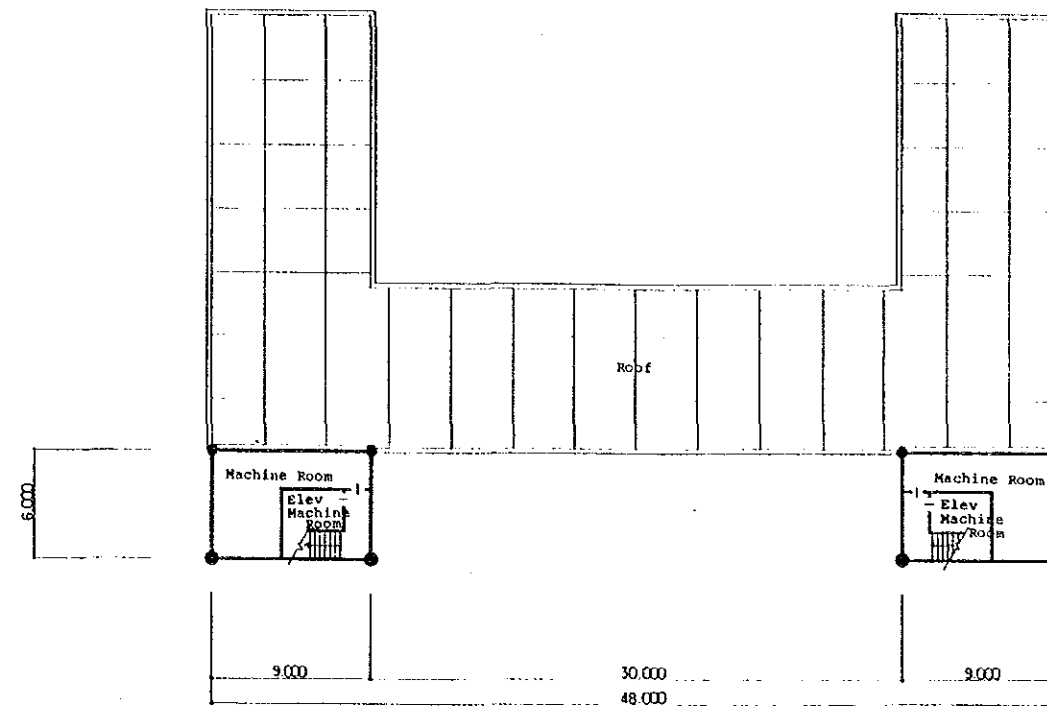
THIRD FLOOR PLAN

Appendix 7-14 Drawings of Related Buildings
 (2) Administration Building (Airport Authority)

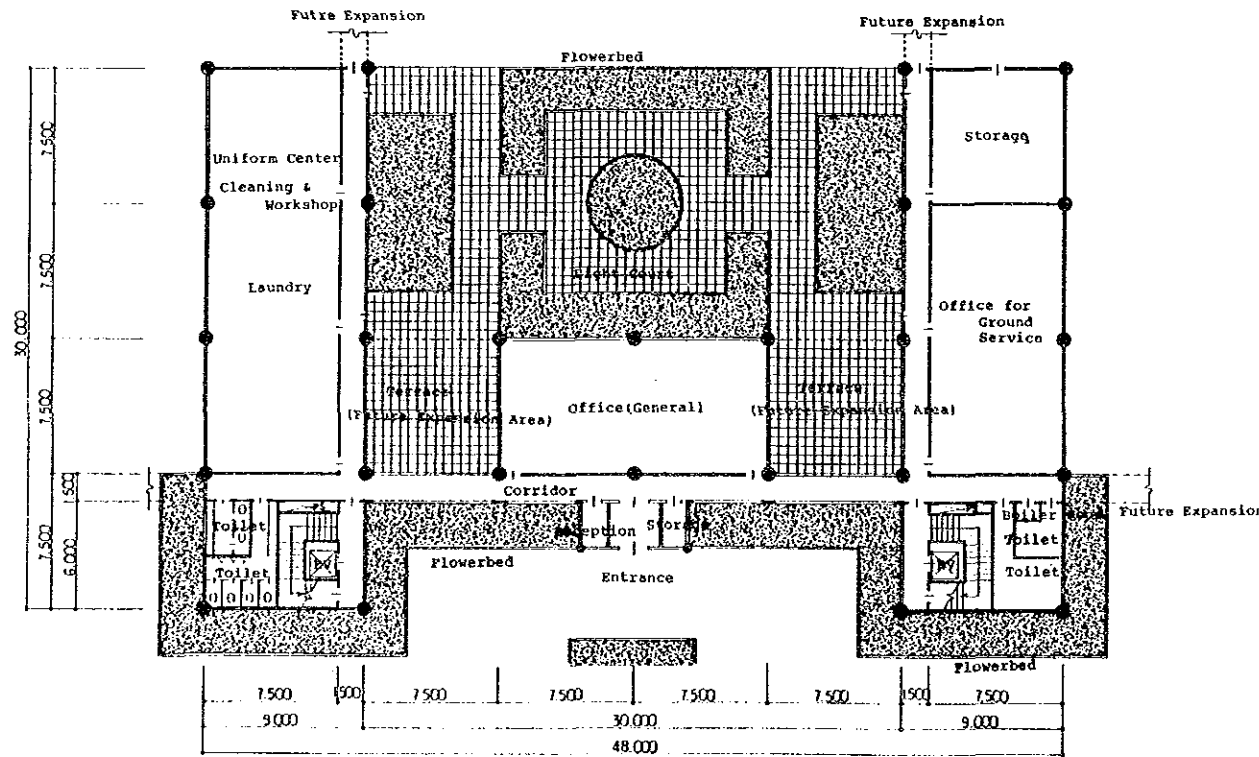




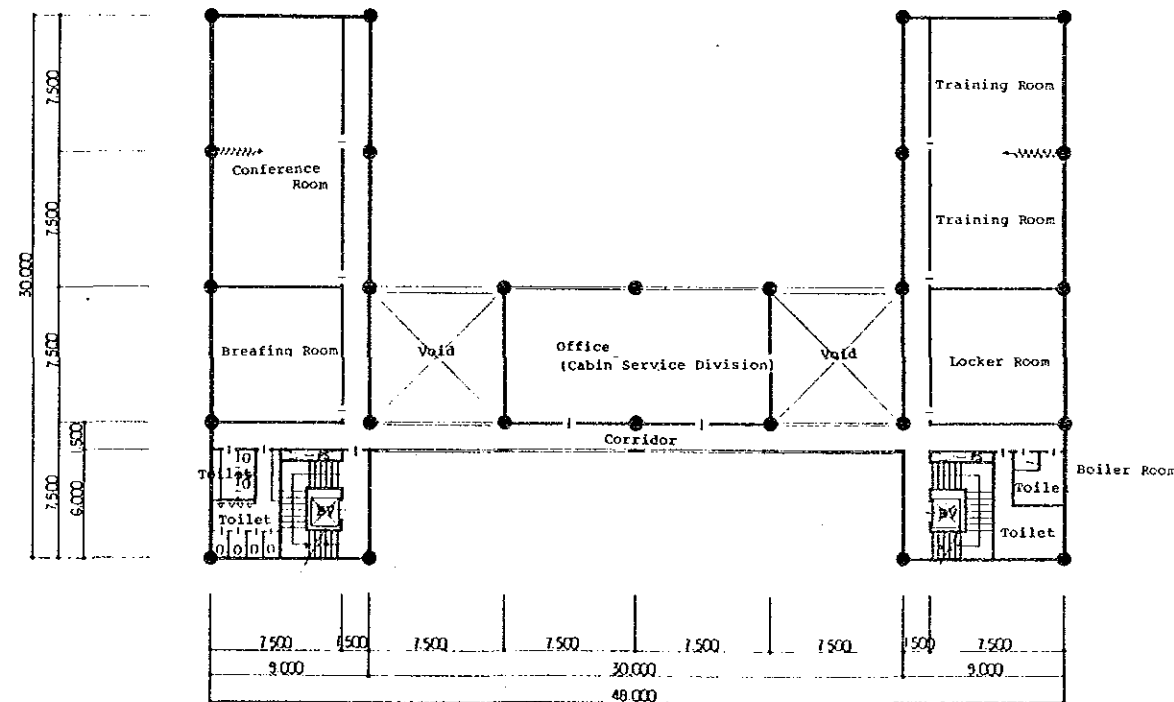
SECOND FLOOR PLAN



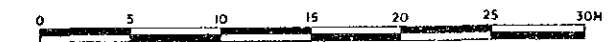
FOURTH FLOOR PLAN



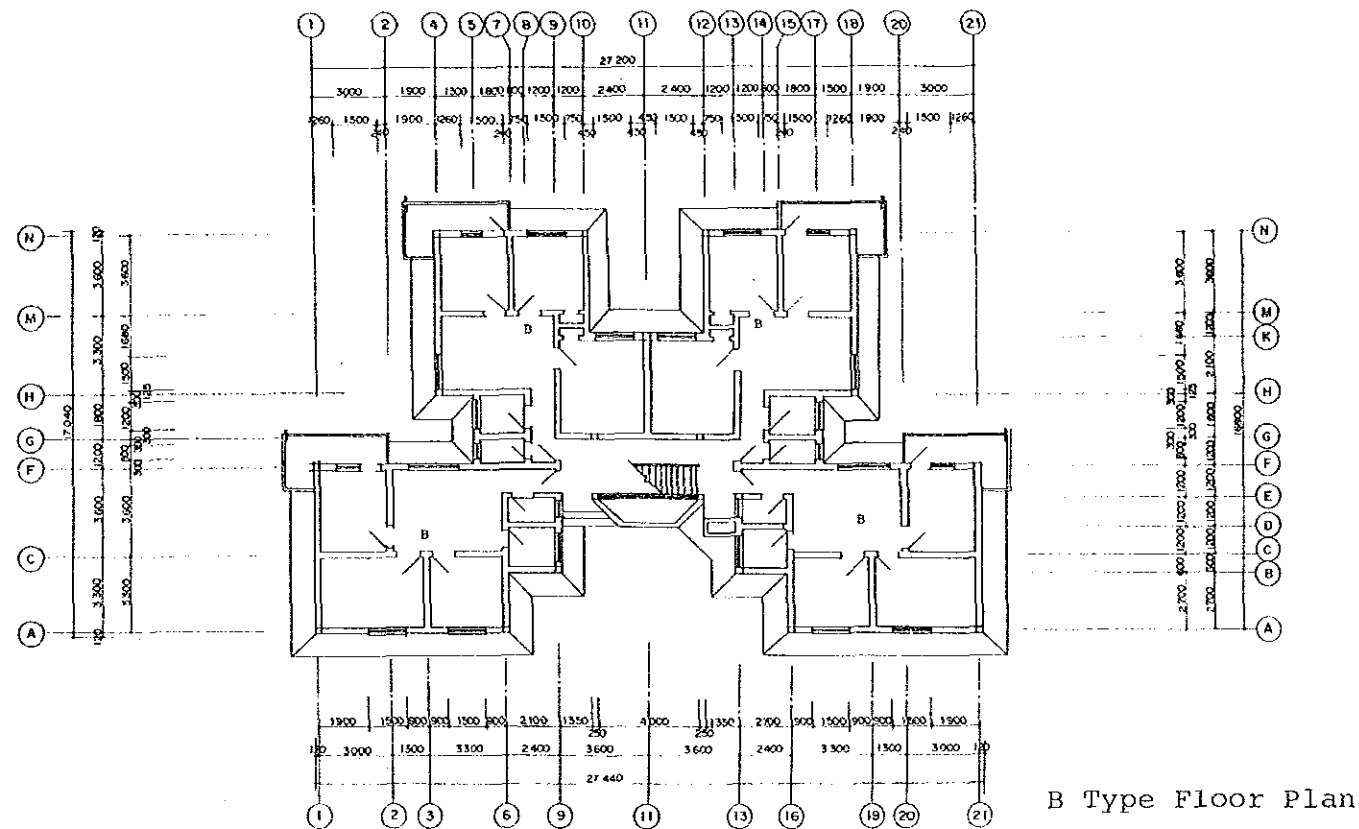
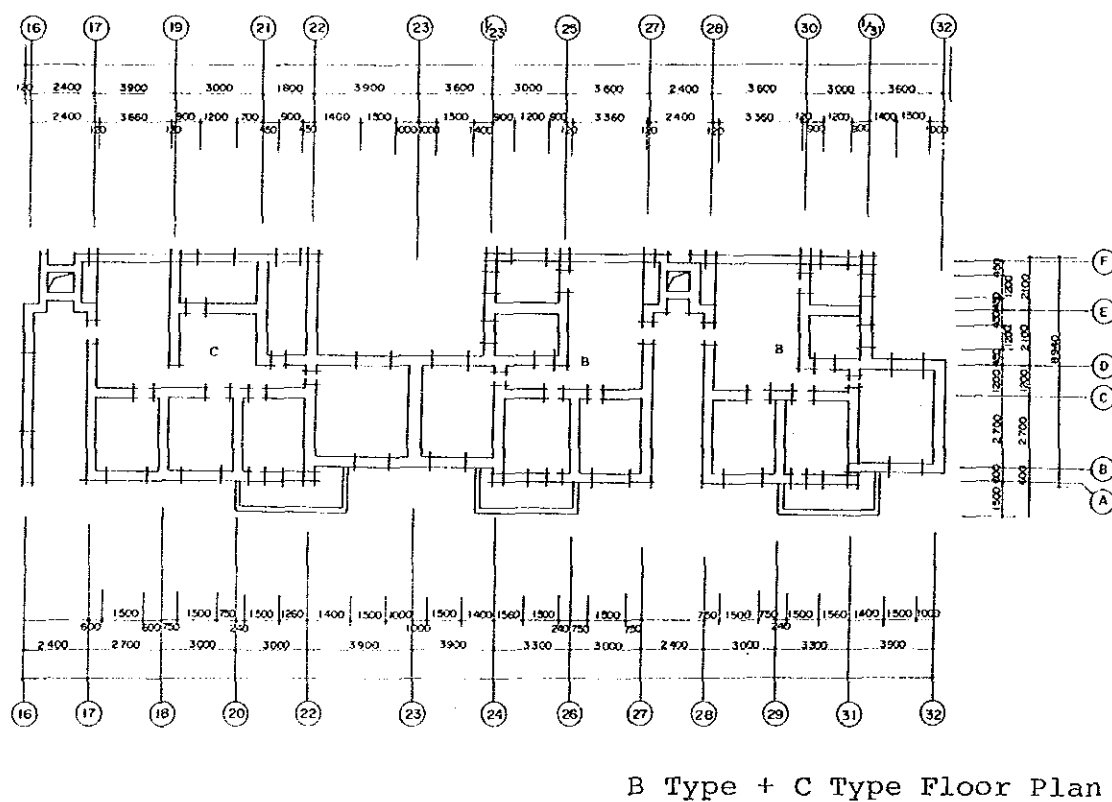
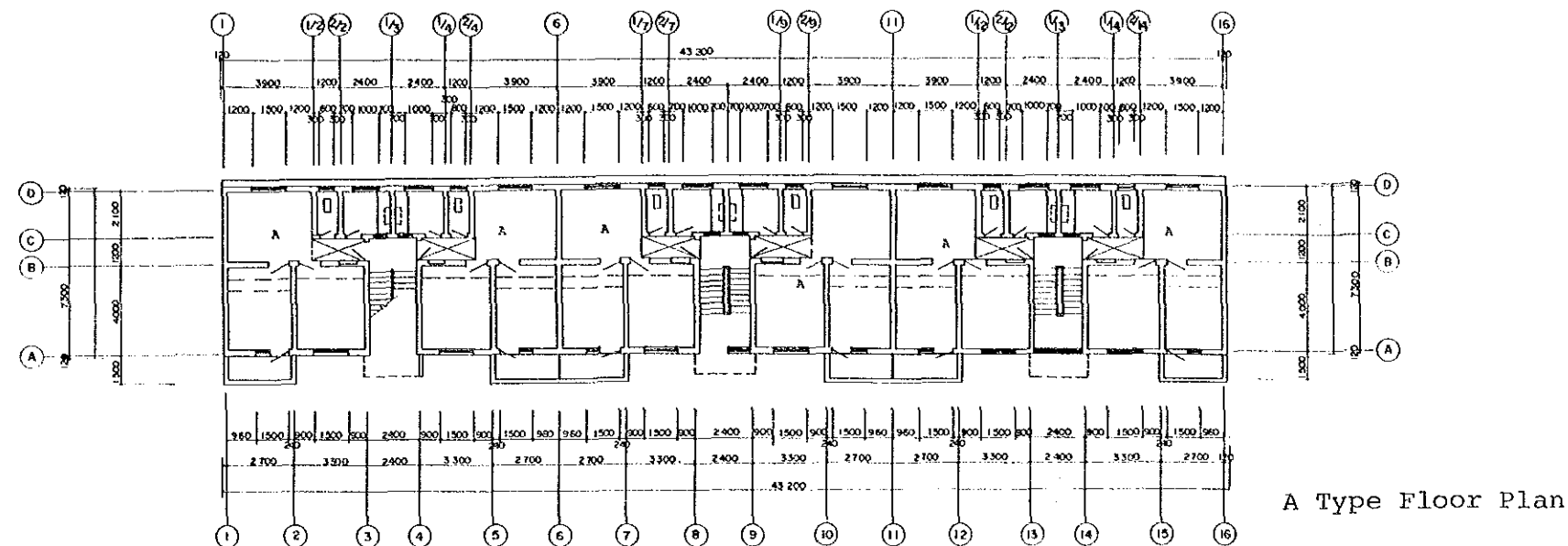
FIRST FLOOR PLAN



THIRD FLOOR PLAN



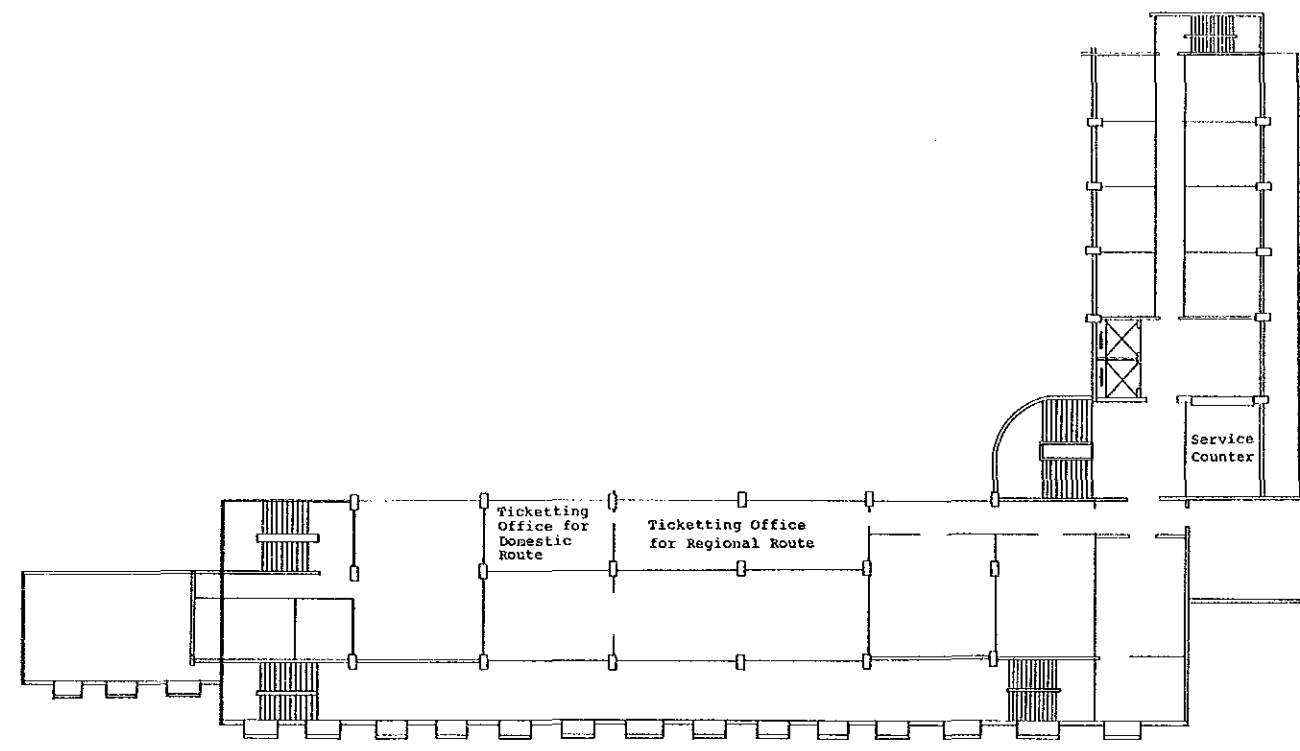
Appendix 7-14 Drawings of Related Buildings
(3) Administration Building (Airline)



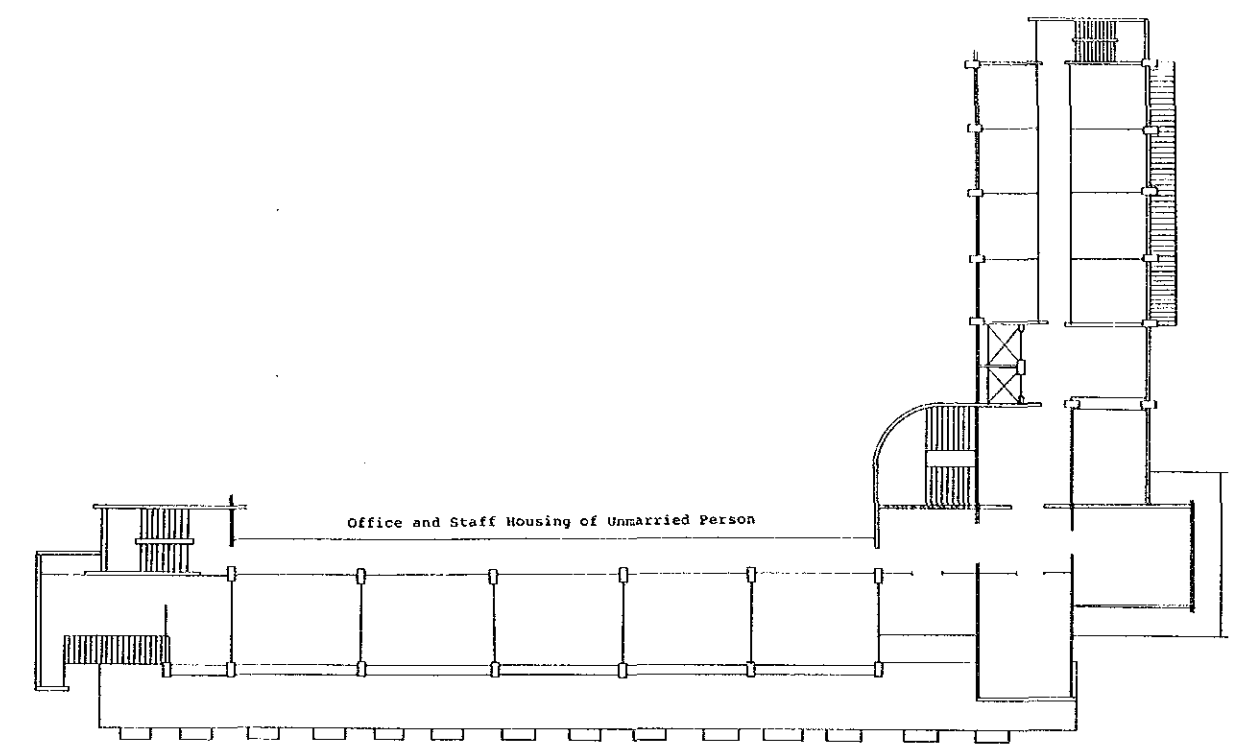
Legend:

- A : A Type Staff Housing (2Bed Rooms + Hall = Floor Area 55Sq.M/Family)
- B : B Type Staff Housing (3Bed Rooms + Hall = Floor Area 75Sq.M/Family)
- C : C Type Staff Housing (4Bed Rooms + Hall = Floor Area 95Sq.M/Family)

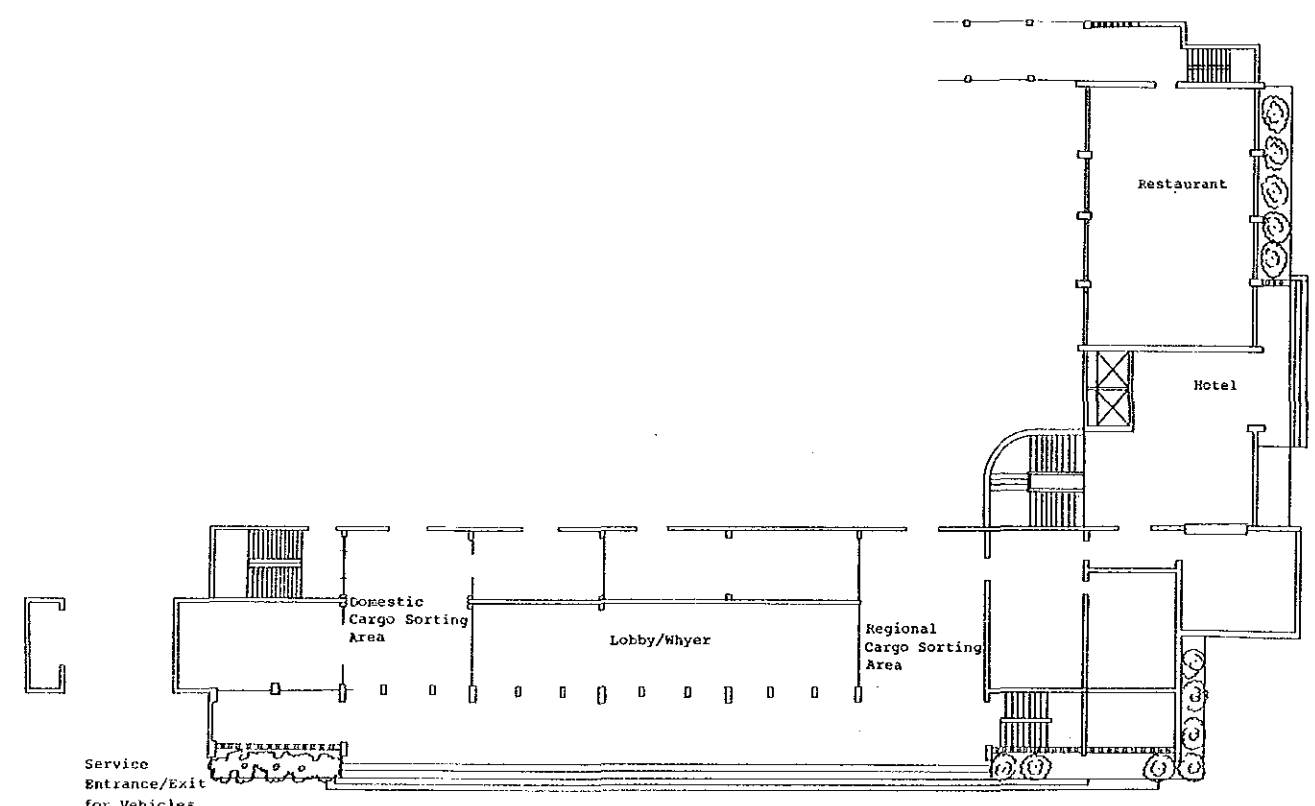
Appendix 7-14 Drawings of Related Buildings
(4) Down Town Staff Housing



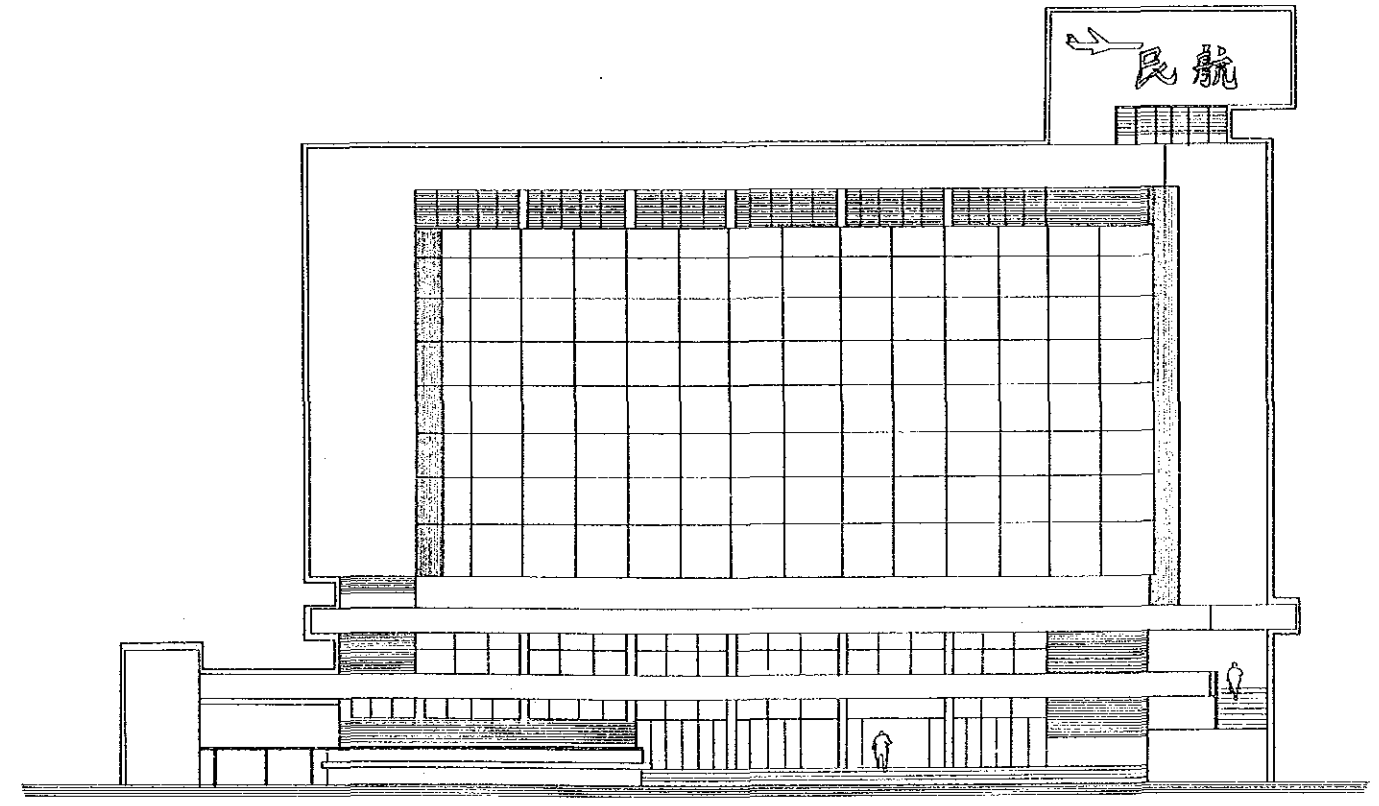
2nd. Floor Plan



3rd. Floor Plan

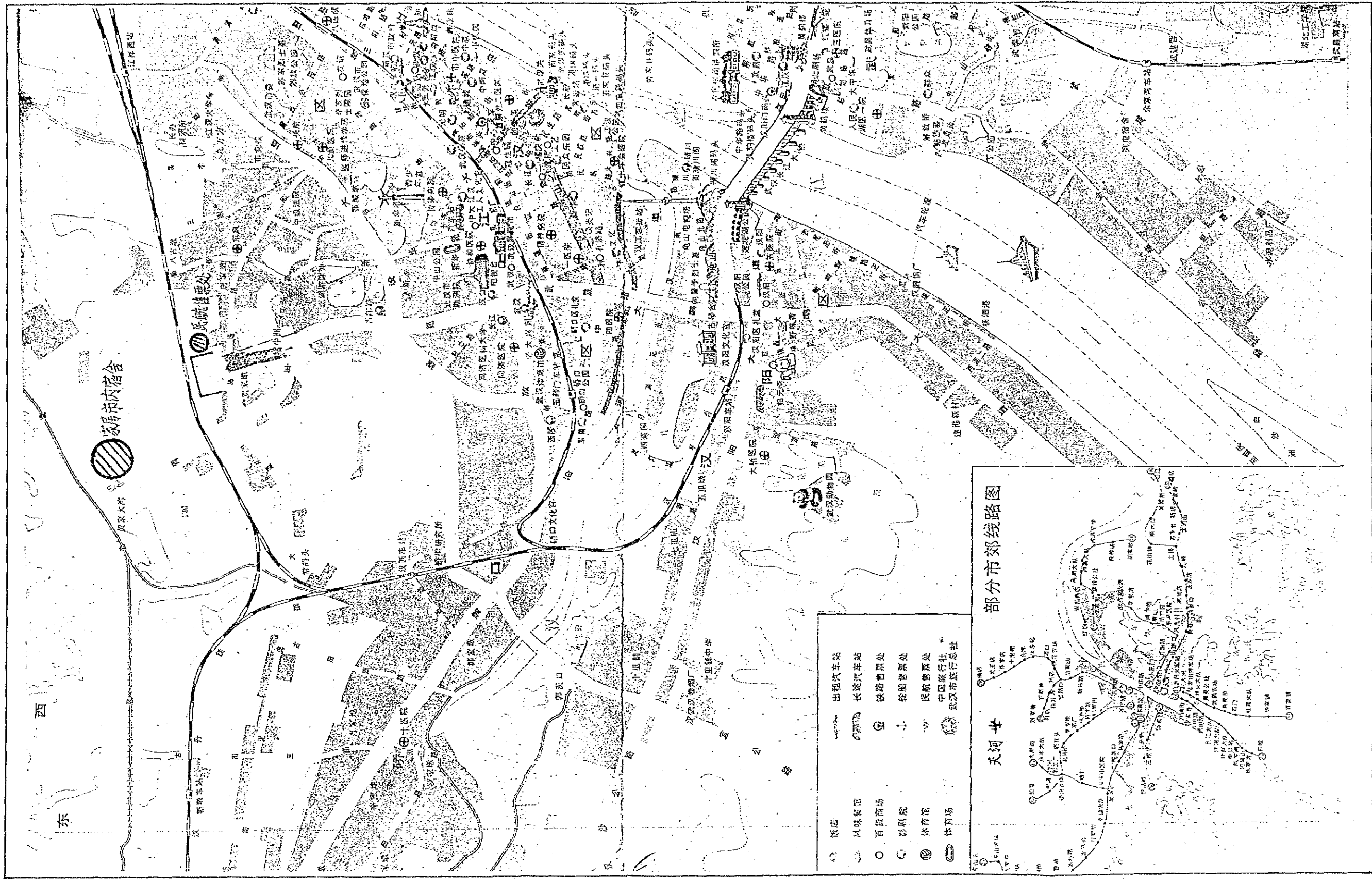


1st. Floor Plan



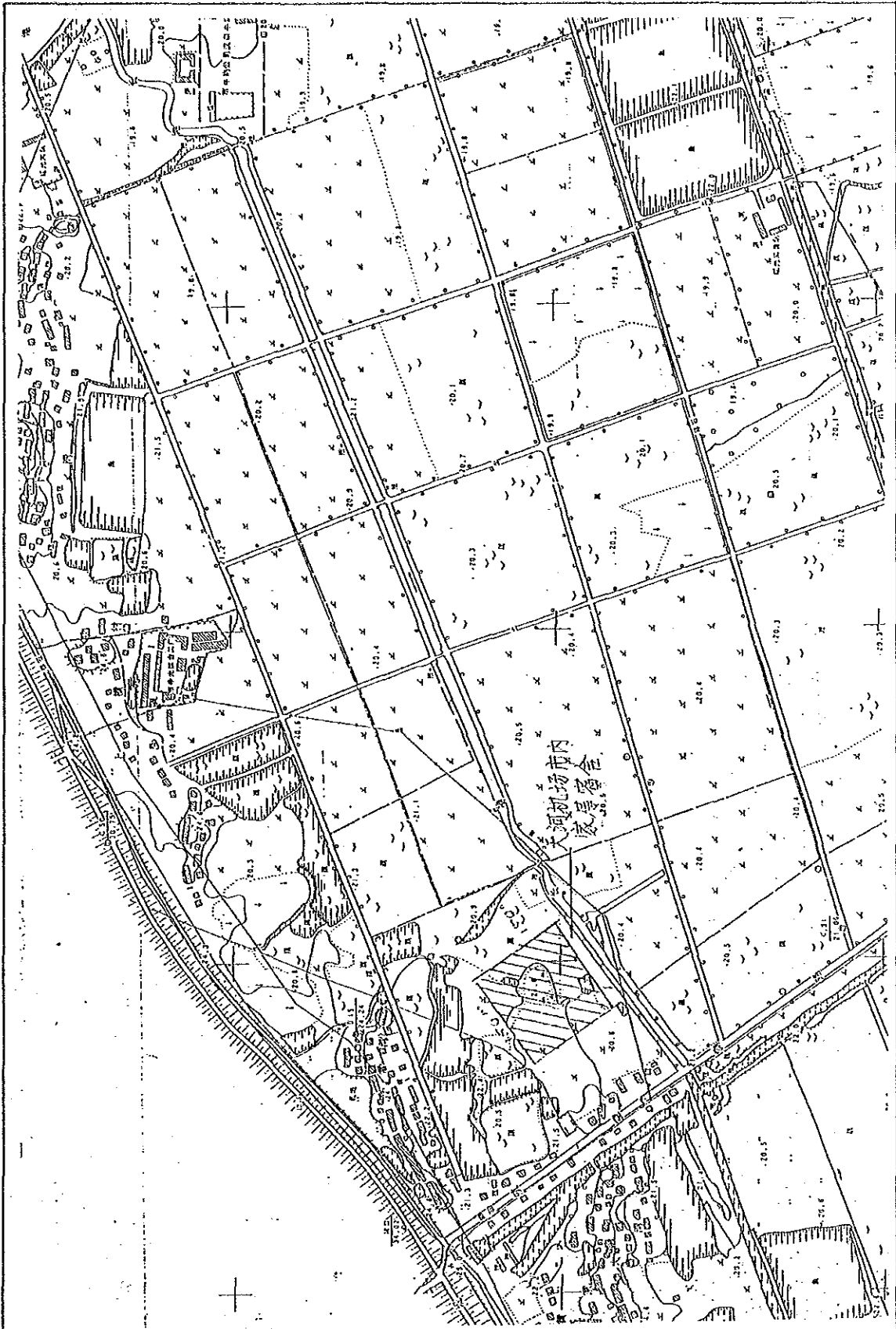
Elevation

Appendix 7-14 Drawings of Related Buildings
(5) Down Town Ticketing Office



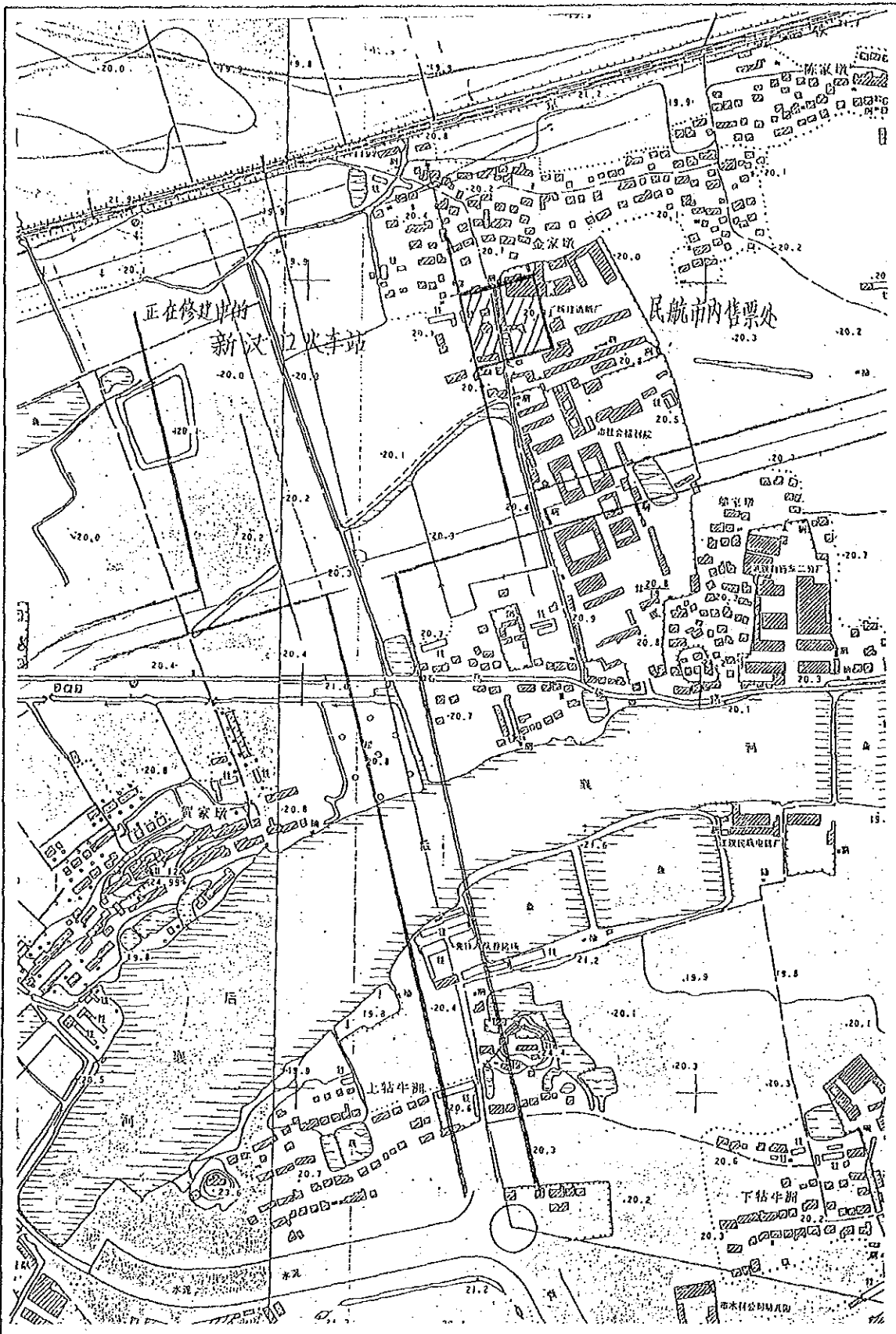
Appendix 7-14 Drawings of Related Buildings
(6) Locations of Staff Housing and Ticketing Office

PEOPLE'S REPUBLIC OF CHINA / FEASIBILITY STUDY ON THE CONSTRUCTION PROJECT OF WUHAN/TIANHE AIRPORT DOWNTOWN STAFF HOUSING/TICKETING OFFICE LOCATION MAP FAIR COPIED BY JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) MAR. 1990



PEOPLE'S REPUBLIC OF CHINA / FEASIBILITY STUDY ON THE CONSTRUCTION PROJECT OF
 WUHAN/TIANHE AIRPORT DOWNTOWN STAFF HOUSING SITE PLAN
 FAIR COPIED BY JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) MAR. 1990

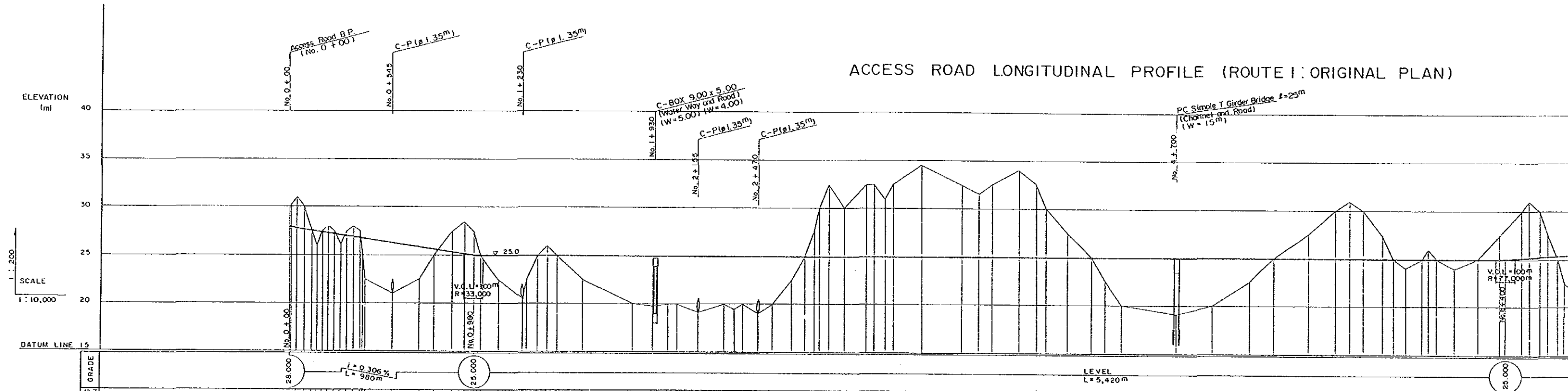
Appendix 7-14 Drawings of Related Buildings
 (7) Site Plan of Staff Housing



PEOPLE'S REPUBLIC OF CHINA / FEASIBILITY STUDY ON THE CONSTRUCTION PROJECT OF
 WUHAN/TIANHE AIRPORT DOWNTOWN TICKETING OFFICE SITE PLAN
 FAIR COPIED BY JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) MAR. 1990

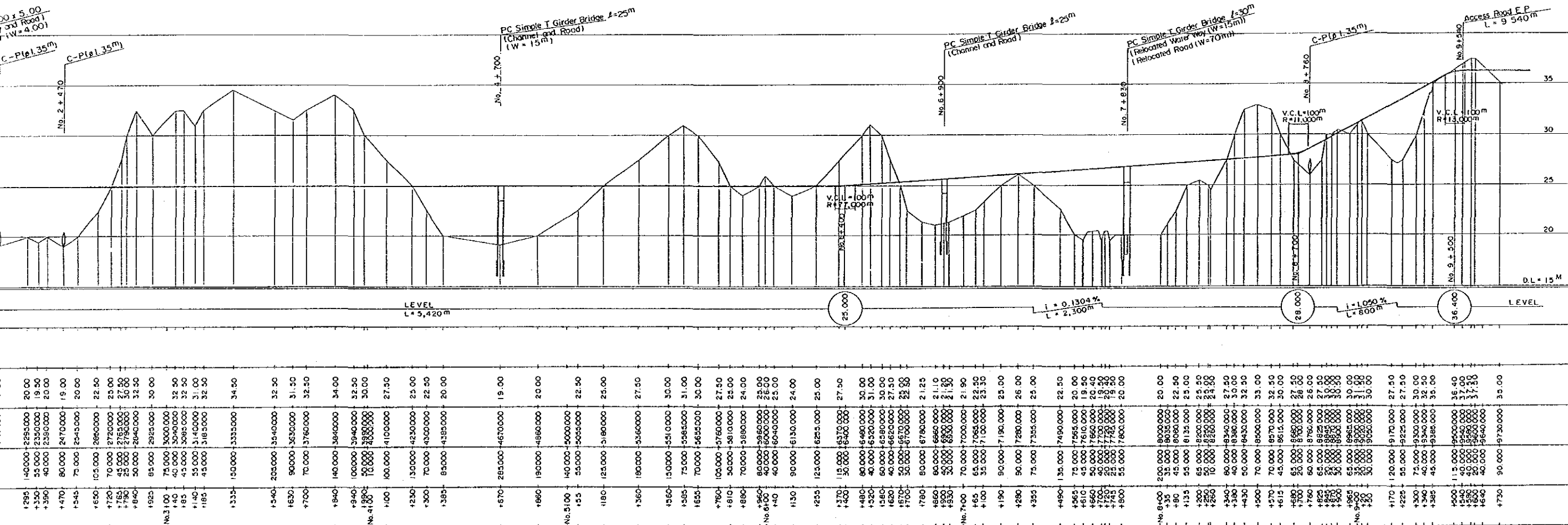
Appendix 7-14 Drawings of Related Buildings
 (8) Site Plan of Ticketing Office
 A-182

ACCESS ROAD LONGITUDINAL PROFILE (ROUTE 1 ORIGINAL PLAN)



No.	SECTION DISTANCE	ACCUMULATE DISTANCE	GROUND ELEVATION	PLANNING ELEVATION	GRADE
No. 0+00	0.000	0.000	30.00		
185	25.000	25.000	28.00		
186	30.000	30.000	27.50		
187	35.000	35.000	27.00		
188	40.000	40.000	26.50		
189	45.000	45.000	26.00		
190	50.000	50.000	25.50		
191	55.000	55.000	25.00		
192	60.000	60.000	24.50		
193	65.000	65.000	24.00		
194	70.000	70.000	23.50		
195	75.000	75.000	23.00		
196	80.000	80.000	22.50		
197	85.000	85.000	22.00		
198	90.000	90.000	21.50		
199	95.000	95.000	21.00		
200	100.000	100.000	20.50		
201	105.000	105.000	20.00		
202	110.000	110.000	19.50		
203	115.000	115.000	19.00		
204	120.000	120.000	18.50		
205	125.000	125.000	18.00		
206	130.000	130.000	17.50		
207	135.000	135.000	17.00		
208	140.000	140.000	16.50		
209	145.000	145.000	16.00		
210	150.000	150.000	15.50		
211	155.000	155.000	15.00		
212	160.000	160.000	14.50		
213	165.000	165.000	14.00		
214	170.000	170.000	13.50		
215	175.000	175.000	13.00		
216	180.000	180.000	12.50		
217	185.000	185.000	12.00		
218	190.000	190.000	11.50		
219	195.000	195.000	11.00		
220	200.000	200.000	10.50		
221	205.000	205.000	10.00		
222	210.000	210.000	9.50		
223	215.000	215.000	9.00		
224	220.000	220.000	8.50		
225	225.000	225.000	8.00		
226	230.000	230.000	7.50		
227	235.000	235.000	7.00		
228	240.000	240.000	6.50		
229	245.000	245.000	6.00		
230	250.000	250.000	5.50		
231	255.000	255.000	5.00		
232	260.000	260.000	4.50		
233	265.000	265.000	4.00		
234	270.000	270.000	3.50		
235	275.000	275.000	3.00		
236	280.000	280.000	2.50		
237	285.000	285.000	2.00		
238	290.000	290.000	1.50		
239	295.000	295.000	1.00		
240	300.000	300.000	0.50		

ACCESS ROAD LONGITUDINAL PROFILE (ROUTE I: ORIGINAL PLAN)



1295	140000	2295000	20.00
1300	150000	2395000	19.50
1305	160000	2495000	19.00
1310	170000	2595000	18.50
1315	180000	2695000	18.00
1320	190000	2795000	17.50
1325	200000	2895000	17.00
1330	210000	2995000	16.50
1335	220000	3095000	16.00
1340	230000	3195000	15.50
1345	240000	3295000	15.00
1350	250000	3395000	14.50
1355	260000	3495000	14.00
1360	270000	3595000	13.50
1365	280000	3695000	13.00
1370	290000	3795000	12.50
1375	300000	3895000	12.00
1380	310000	3995000	11.50
1385	320000	4095000	11.00
1390	330000	4195000	10.50
1395	340000	4295000	10.00
1400	350000	4395000	9.50
1405	360000	4495000	9.00
1410	370000	4595000	8.50
1415	380000	4695000	8.00
1420	390000	4795000	7.50
1425	400000	4895000	7.00
1430	410000	4995000	6.50
1435	420000	5095000	6.00
1440	430000	5195000	5.50
1445	440000	5295000	5.00
1450	450000	5395000	4.50
1455	460000	5495000	4.00
1460	470000	5595000	3.50
1465	480000	5695000	3.00
1470	490000	5795000	2.50
1475	500000	5895000	2.00
1480	510000	5995000	1.50
1485	520000	6095000	1.00
1490	530000	6195000	0.50
1495	540000	6295000	0.00
1500	550000	6395000	0.00
1505	560000	6495000	0.00
1510	570000	6595000	0.00
1515	580000	6695000	0.00
1520	590000	6795000	0.00
1525	600000	6895000	0.00
1530	610000	6995000	0.00
1535	620000	7095000	0.00
1540	630000	7195000	0.00
1545	640000	7295000	0.00
1550	650000	7395000	0.00
1555	660000	7495000	0.00
1560	670000	7595000	0.00
1565	680000	7695000	0.00
1570	690000	7795000	0.00
1575	700000	7895000	0.00
1580	710000	7995000	0.00
1585	720000	8095000	0.00
1590	730000	8195000	0.00
1595	740000	8295000	0.00
1600	750000	8395000	0.00
1605	760000	8495000	0.00
1610	770000	8595000	0.00
1615	780000	8695000	0.00
1620	790000	8795000	0.00
1625	800000	8895000	0.00
1630	810000	8995000	0.00
1635	820000	9095000	0.00
1640	830000	9195000	0.00
1645	840000	9295000	0.00
1650	850000	9395000	0.00
1655	860000	9495000	0.00
1660	870000	9595000	0.00
1665	880000	9695000	0.00
1670	890000	9795000	0.00
1675	900000	9895000	0.00
1680	910000	9995000	0.00
1685	920000	10095000	0.00
1690	930000	10195000	0.00
1695	940000	10295000	0.00
1700	950000	10395000	0.00
1705	960000	10495000	0.00
1710	970000	10595000	0.00
1715	980000	10695000	0.00
1720	990000	10795000	0.00
1725	1000000	10895000	0.00
1730	1010000	10995000	0.00
1735	1020000	11095000	0.00
1740	1030000	11195000	0.00
1745	1040000	11295000	0.00
1750	1050000	11395000	0.00
1755	1060000	11495000	0.00
1760	1070000	11595000	0.00
1765	1080000	11695000	0.00
1770	1090000	11795000	0.00
1775	1100000	11895000	0.00
1780	1110000	11995000	0.00
1785	1120000	12095000	0.00
1790	1130000	12195000	0.00
1795	1140000	12295000	0.00
1800	1150000	12395000	0.00
1805	1160000	12495000	0.00
1810	1170000	12595000	0.00
1815	1180000	12695000	0.00
1820	1190000	12795000	0.00
1825	1200000	12895000	0.00
1830	1210000	12995000	0.00
1835	1220000	13095000	0.00
1840	1230000	13195000	0.00
1845	1240000	13295000	0.00
1850	1250000	13395000	0.00
1855	1260000	13495000	0.00
1860	1270000	13595000	0.00
1865	1280000	13695000	0.00
1870	1290000	13795000	0.00
1875	1300000	13895000	0.00
1880	1310000	13995000	0.00
1885	1320000	14095000	0.00
1890	1330000	14195000	0.00
1895	1340000	14295000	0.00
1900	1350000	14395000	0.00
1905	1360000	14495000	0.00
1910	1370000	14595000	0.00
1915	1380000	14695000	0.00
1920	1390000	14795000	0.00
1925	1400000	14895000	0.00
1930	1410000	14995000	0.00
1935	1420000	15095000	0.00
1940	1430000	15195000	0.00
1945	1440000	15295000	0.00
1950	1450000	15395000	0.00
1955	1460000	15495000	0.00
1960	1470000	15595000	0.00
1965	1480000	15695000	0.00
1970	1490000	15795000	0.00
1975	1500000	15895000	0.00
1980	1510000	15995000	0.00
1985	1520000	16095000	0.00
1990	1530000	16195000	0.00
1995	1540000	16295000	0.00
2000	1550000	16395000	0.00

Appendix 7-15 Drawings of Related Roads
(1) Longitudinal Profile of Access Road

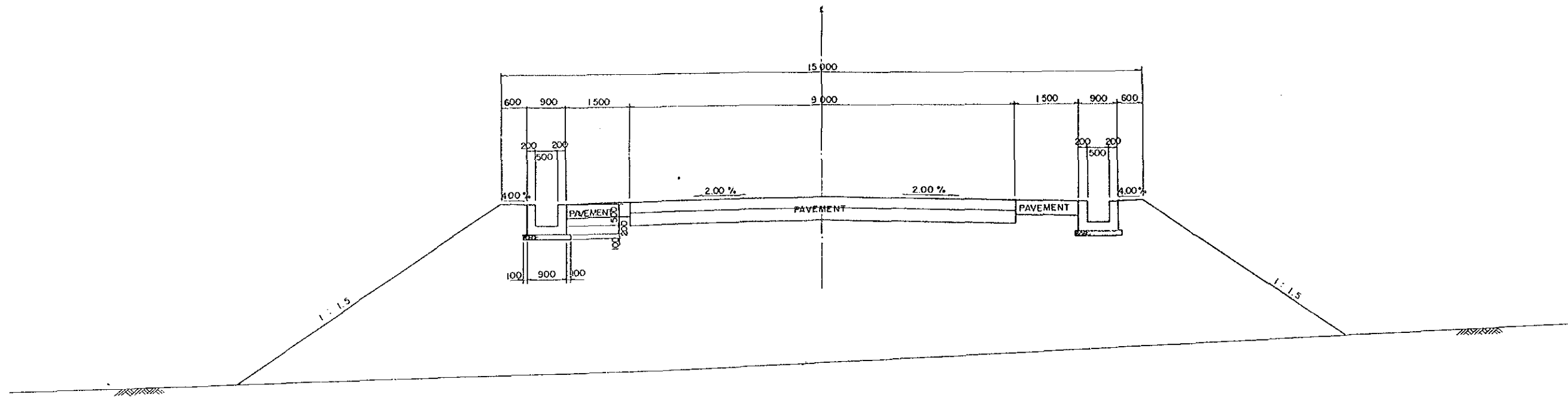
PEOPLE'S REPUBLIC OF CHINA
FEASIBILITY STUDY
ON
THE CONSTRUCTION PROJECT
OF
WUHAN/TIANHE AIRPORT

ACCESS ROAD LONGITUDINAL PROFILE
(ROUTE I: ORIGINAL PLAN)

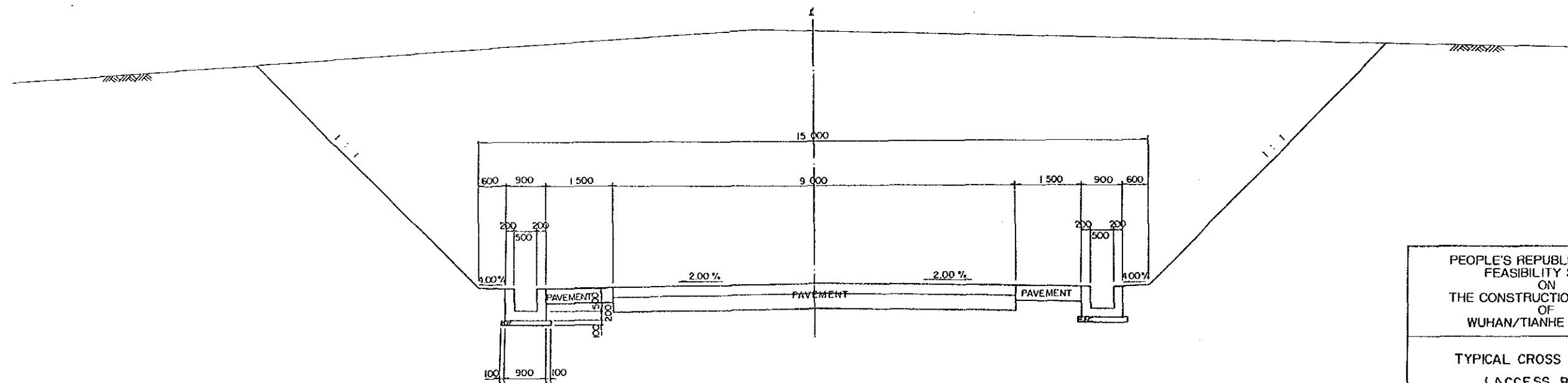
SCALE: V=1:400 H=1:2000 No. 19 MAR. 1990

JAPAN INTERNATIONAL COOPERATION AGENCY
A-183

TYPICAL CROSS SECTION (ACCESS ROAD)
 EMBANKMENT SECTION



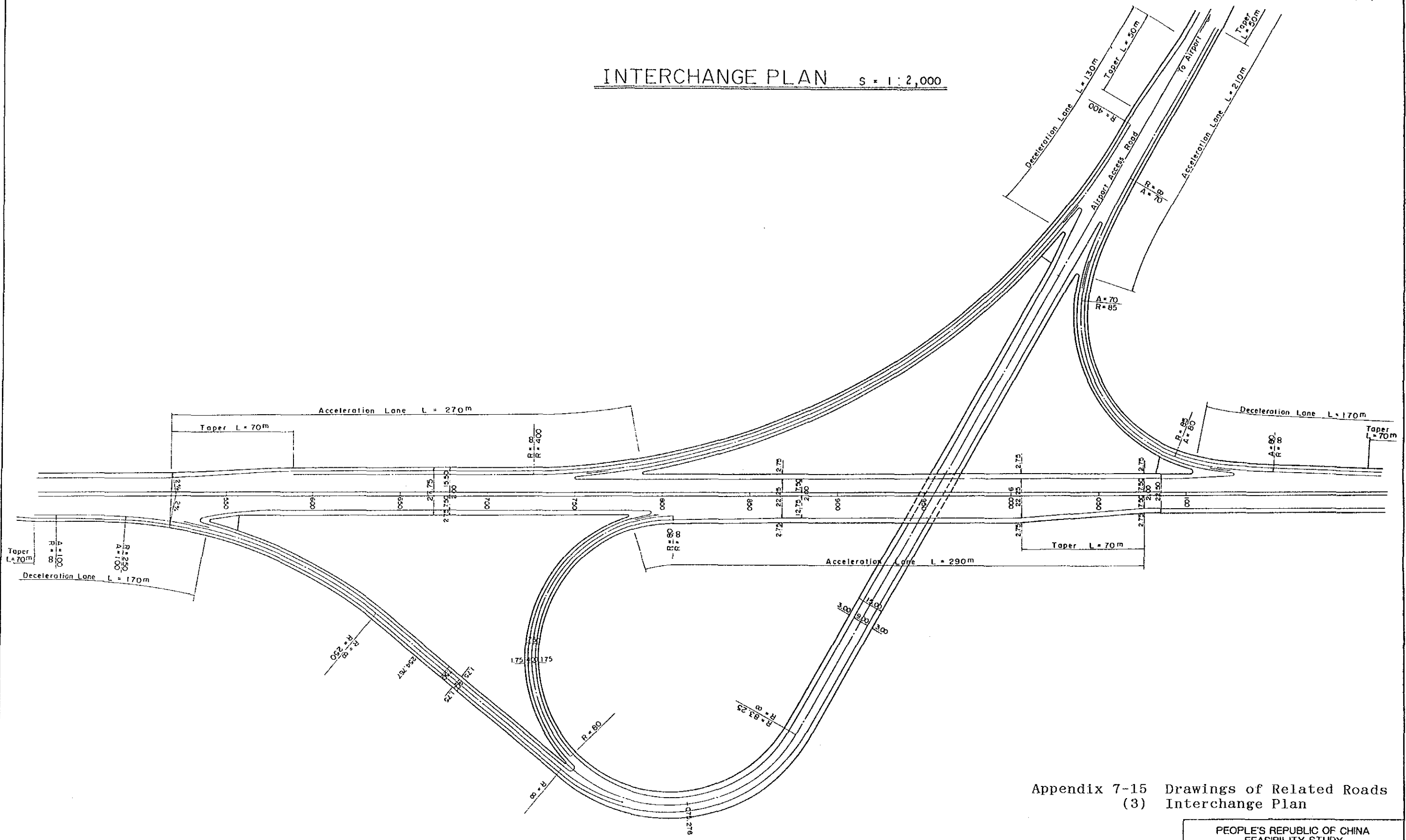
CUTTING SECTION



PEOPLE'S REPUBLIC OF CHINA FEASIBILITY STUDY ON THE CONSTRUCTION PROJECT OF WUHAN/TIANHE AIRPORT		
TYPICAL CROSS SECTION (ACCESS ROAD)		
SCALE: 1:100	No. 20	MAR. 1990
JAPAN INTERNATIONAL COOPERATION AGENCY		
A-184		

Appendix 7-15 Drawings of Related Roads
 (2) Typical Cross Section of Access Road

INTERCHANGE PLAN S = 1 : 2,000



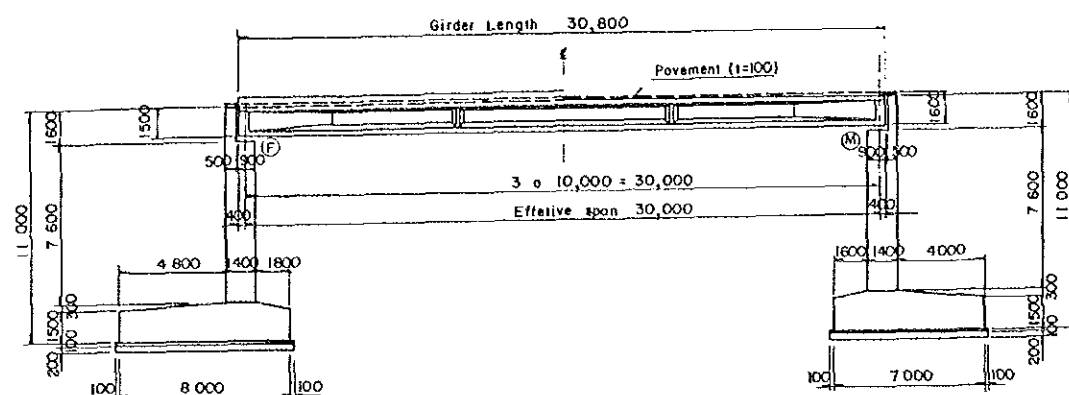
Appendix 7-15 Drawings of Related Roads
(3) Interchange Plan

PEOPLE'S REPUBLIC OF CHINA FEASIBILITY STUDY ON THE CONSTRUCTION PROJECT OF WUHAN/TIANHE AIRPORT		
INTERCHANGE PLAN		
SCALE: 1:2000	No. 18	MAR. 1990
JAPAN INTERNATIONAL COOPERATION AGENCY		
A-185		

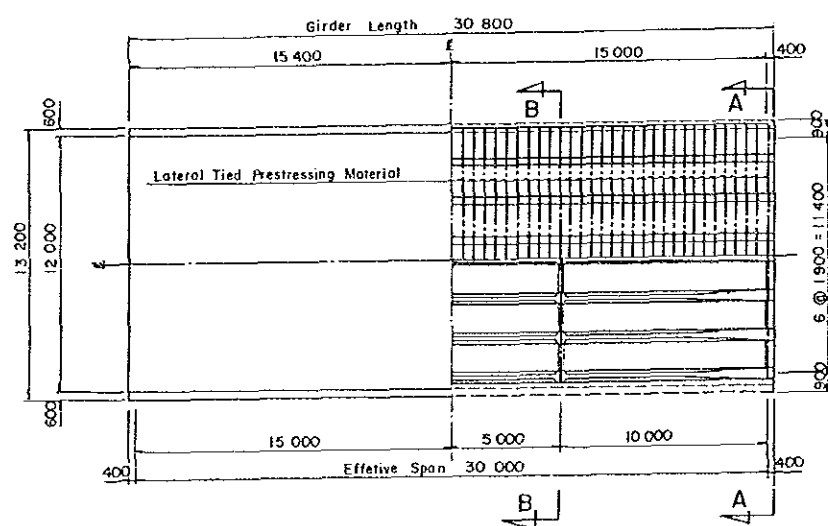
NO.7+830 BRIDGE GENERAL VIEW (Post-tension Simple girder of T-section Method)

NO.0-180 ACCESS ROAD BOX-CULVERT GENERAL VIEW

SIDE ELEVATION

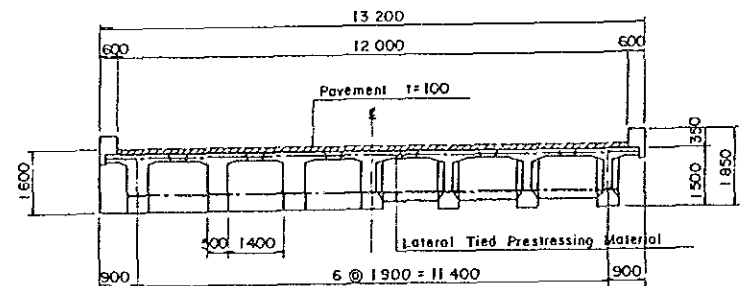


PLAN

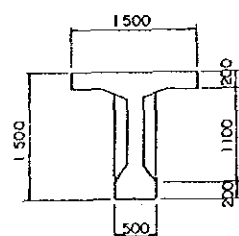


SECTION

A-A B-B



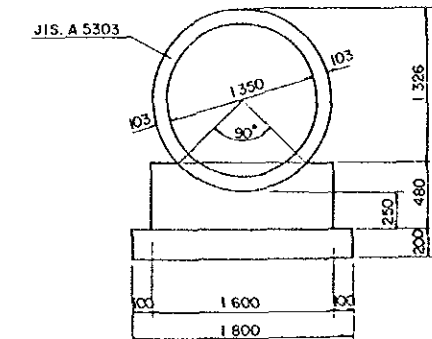
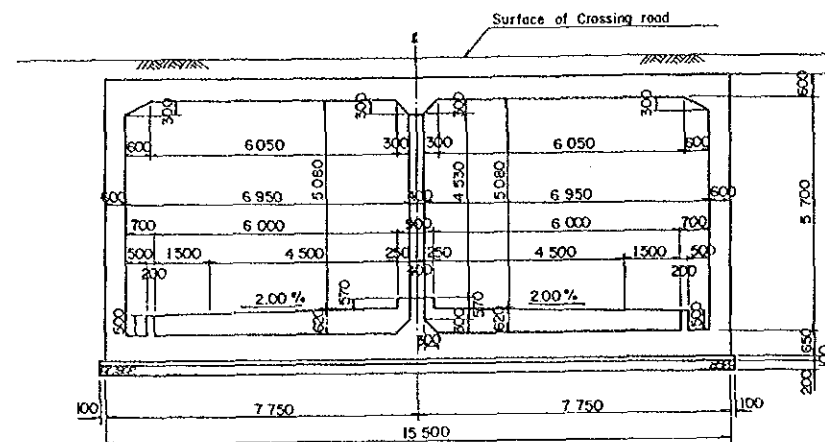
MAIN GIRDER SECTION



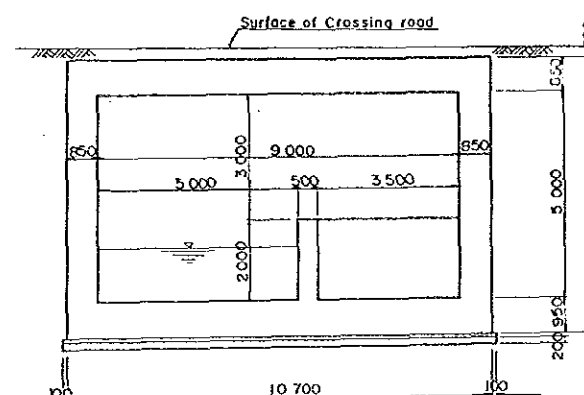
BRIDGE LIST

Location	Upper Structure				Substructure					Note
	Type	Bridge Length (m)	Width (m)	Area (m ²)	Girder Height (m)	Abut Height (m)	Concrete (m ³)	Reinforcement Bar (t)	Form (m ²)	
No.4 + 700	PC T	25.0	12.0	300	1.4	9.0	520	26	630	Channel
No.6 + 900	"	25.0	12.0	300	1.4	7.5	380	19	500	Channel
No.7 + 830	"	30.0	12.0	360	1.5	11.0	700	35	920	Channel, Road

PIPE - CULVERT GENERAL VIEW



NO.1+930 BOX-CULVERT GENERAL VIEW



BOX - CULVERT LIST

Location	Size	Length	Overburden	Quantity List			Note
				Concrete	Reinforcement Bar	Form	
NO.0 - 180	(6.95x5.70) x 2	35.0	0.5	1060	106	1950	Access Road
NO.1 + 930	900 x 5.00	15.0	0.3	490	49	810	Waterway Road

PIPE - CULVERT LIST

Location	Type, Diameter (m)	Overburden (m)	Length (m)	Note
No.0 + 545	RC - φ 1350	3.8	27.0	LR
No.1 + 230	" - φ 1350	3.0	34.0	L50°
No.2 + 155	" - φ 1350	4.5	29.0	LR
No.2 + 470	" - φ 1350	4.5	36.0	R60°
No.8 + 760	" - φ 1350	1.0	18.0	LR

PEOPLE'S REPUBLIC OF CHINA
FEASIBILITY STUDY
ON
THE CONSTRUCTION PROJECT
OF
WUHAN/TIANHE AIRPORT

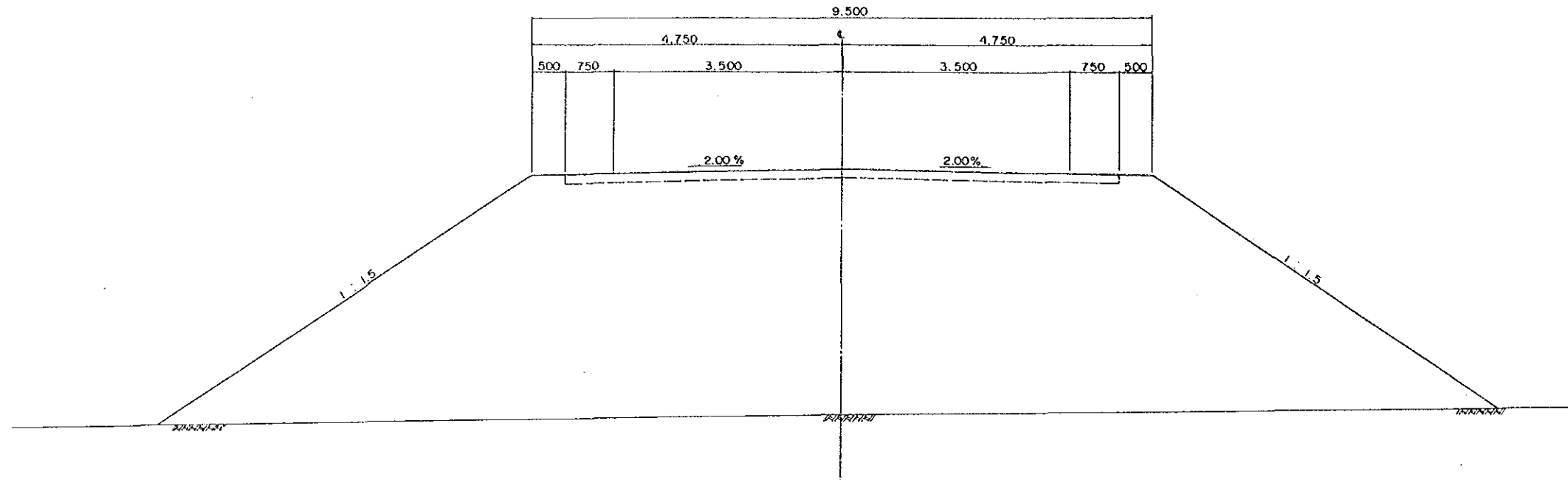
CONCRETE STRUCTURES GENERAL
VIEW (ACCESS ROAD)

SCALE: AS SHOWN No. 21 MAR. 1990

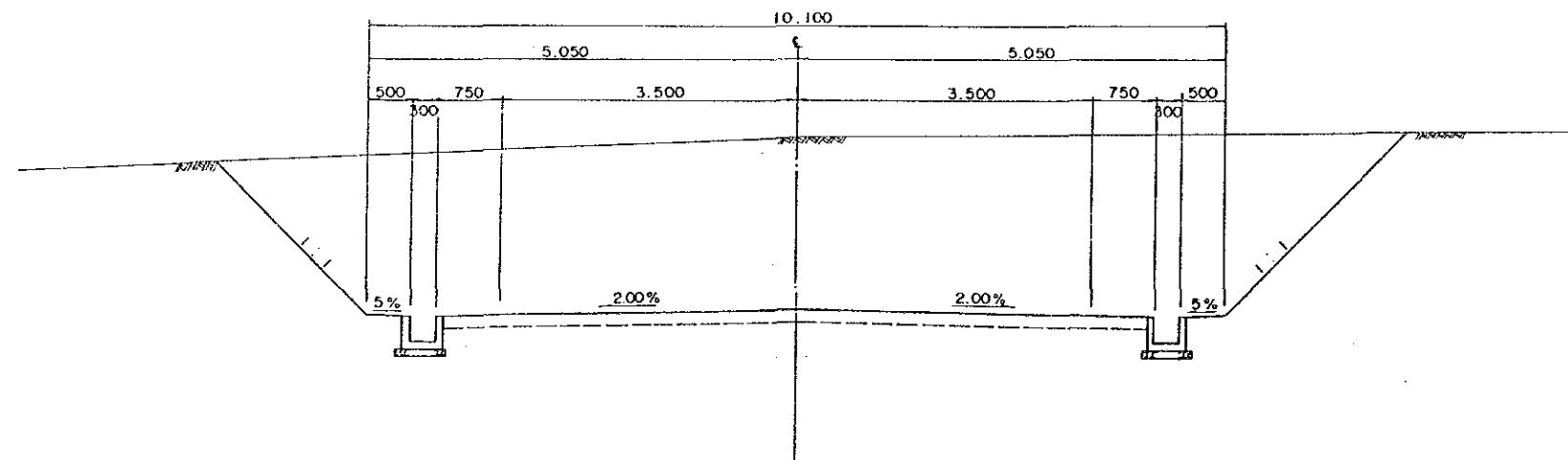
JAPAN INTERNATIONAL COOPERATION AGENCY

Relocated Road Typical Cross Section S = 1:80

Embankment Area



Cut Area



PEOPLE'S REPUBLIC OF CHINA FEASIBILITY STUDY ON THE CONSTRUCTION PROJECT OF WUHAN/TIANHE AIRPORT		
RELOCATED ROAD TYPICAL CROSS SECTION		
SCALE: 1:80	No. 22	MAR. 1990
JAPAN INTERNATIONAL COOPERATION AGENCY		

Appendix 7-15 Drawings of Related Roads
(5) Typical Cross Section of Relocated Road

To Beijing
To Heng Dian

1,166K

Draw-out Track

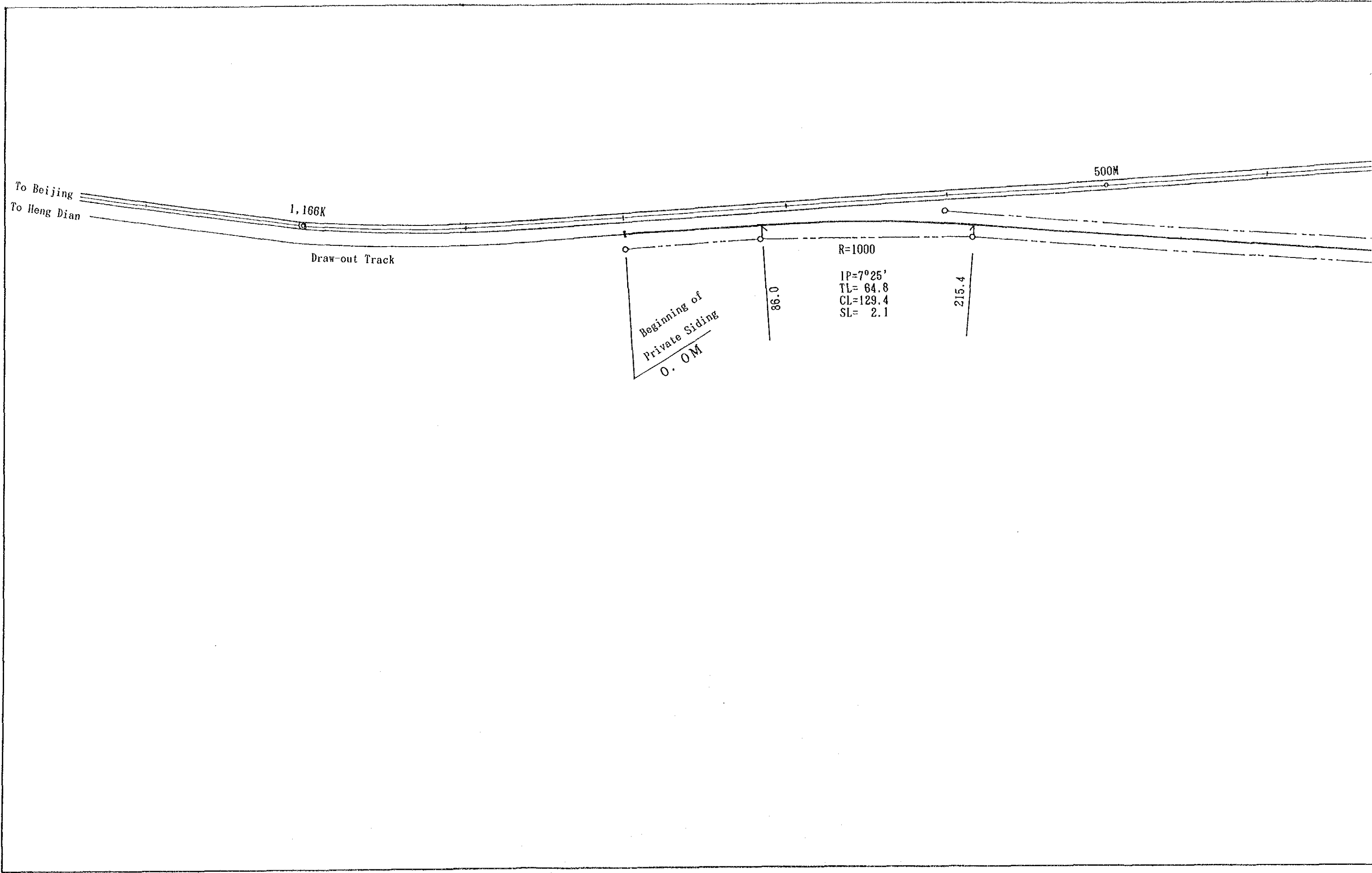
Beginning of
Private Siding
O. O M

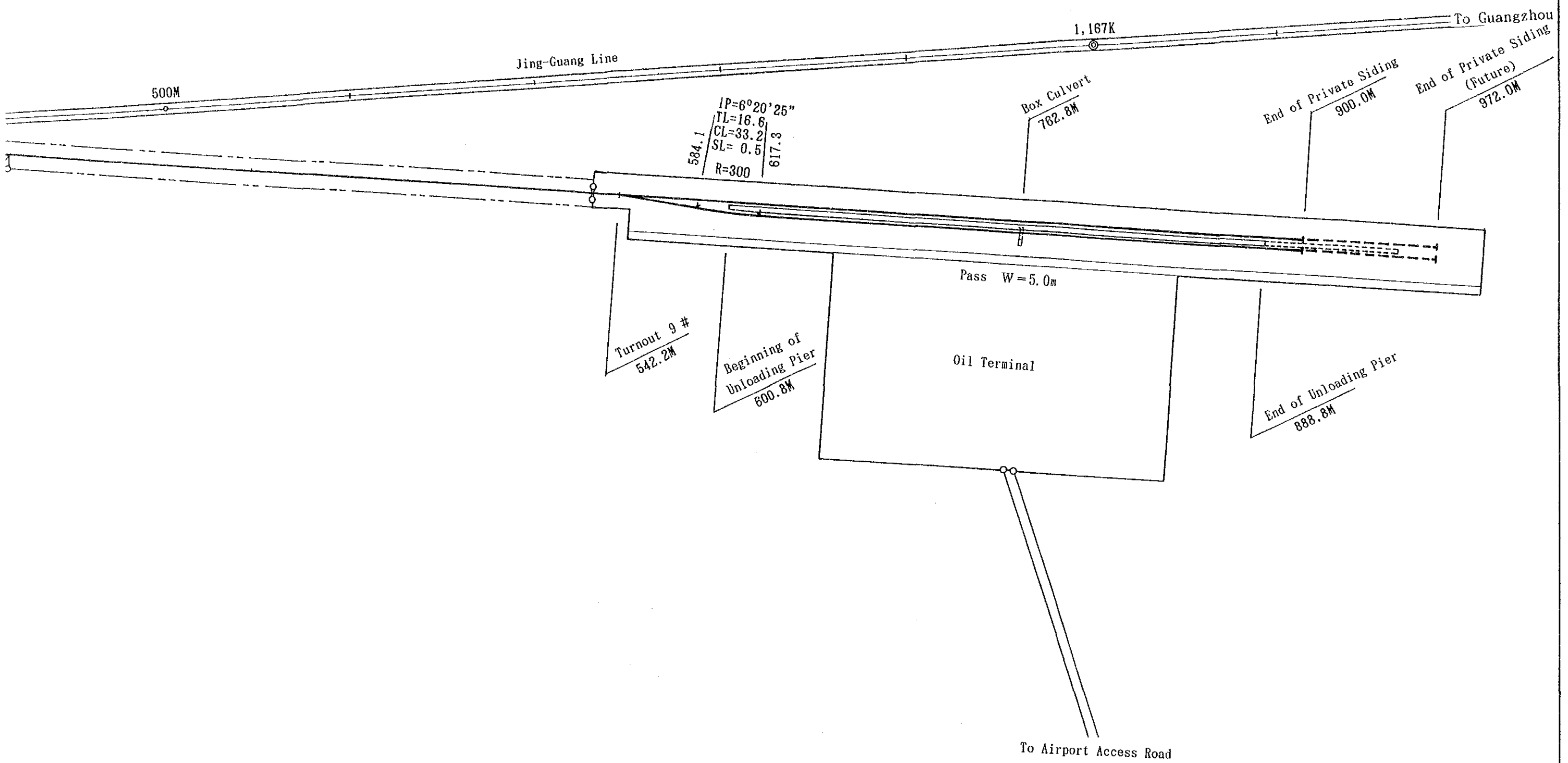
86.0

R=1000
IP=7°25'
TL= 64.8
CL=129.4
SL= 2.1

215.4

500M





Appendix 7-16 Preliminary Design of Private Siding

S=1/2,000

