

P290

P295

P300

P305

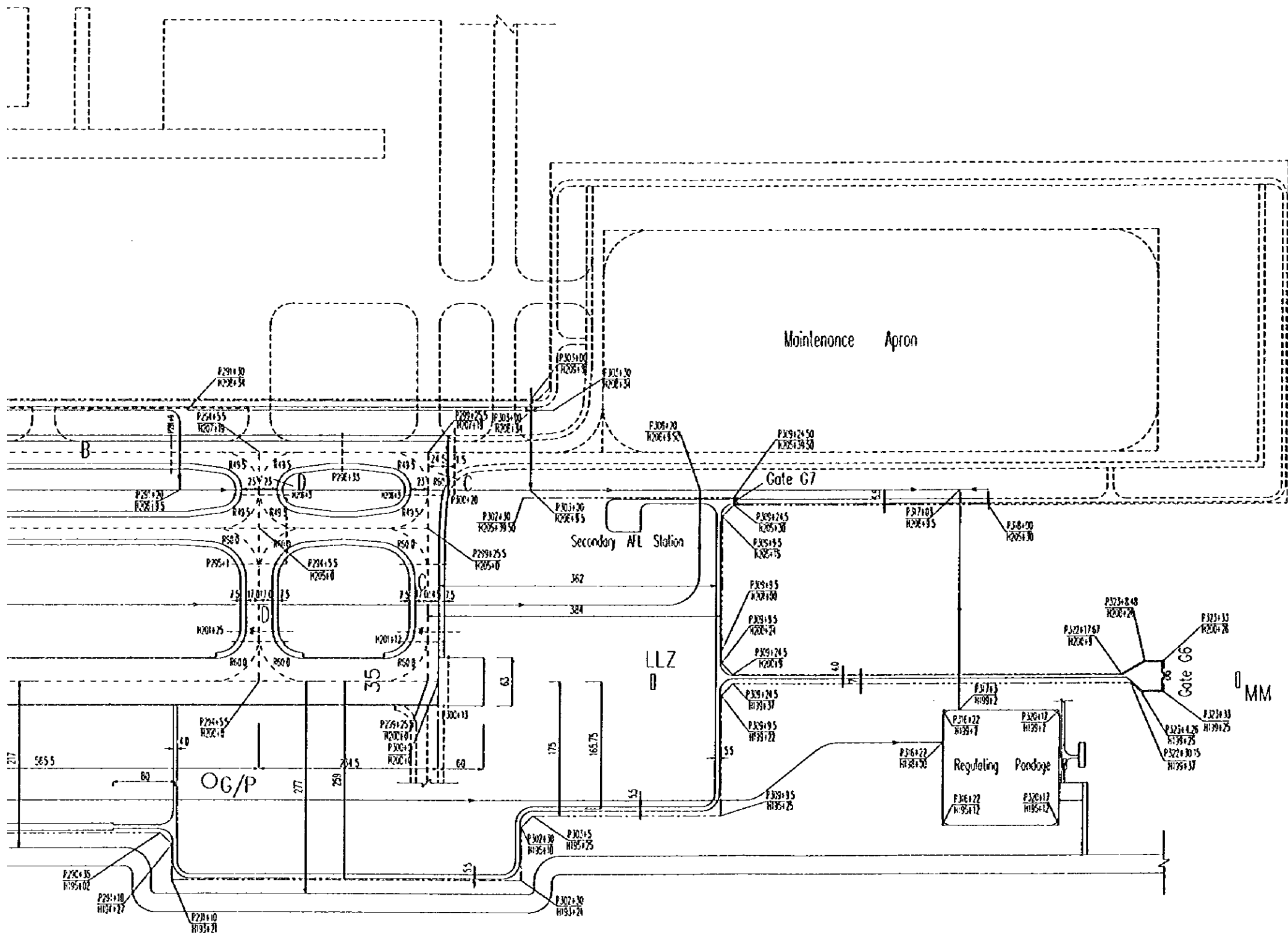
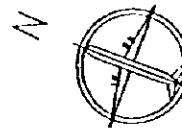
P310

P315

P320

P325

P330



NOTE

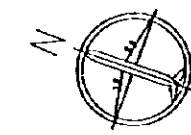
1. Scale ; 1:3000 , Unit ; meter (except mentioned) .
2. 40mx40m grid number is for allocation in this airport . Those parallel to runway direction are called "line" and represented with "H" , those perpendicular to runway direction are called "row" and represented with "P" .
The gridmarks of north and south end of runway are $\frac{P290+0}{R206+0}$ and $\frac{P300+0}{R206+0}$.
The gridmark of runway center is $\frac{P295+0}{R206+0}$.

3. Legend ;

- Pavement line
- Shoulder line
- - - - - Blast fence
- - - - - Pavement centerline
- Road pavement line
- Steel fence
- Brick fence
- - - - - Planning facilities line
- Drainage line
- - - - - Fence gate
- - - - - Cable duct
- - - - - Fire fighting duct
- - - - - Communication duct
- - - - - Fuel pipe
- A--P Taxiway numbers

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
AIRFIELD PLAN	
SCALE	1:25 50m 100m 150m DWG1-P1(2/2)
JAPAN INTERNATIONAL COOPERATION AGENCY	

P195 P200 P205 P210 P215 P220 P225 P230 P232



H225
H220
H215
H210
H205
H200
H195

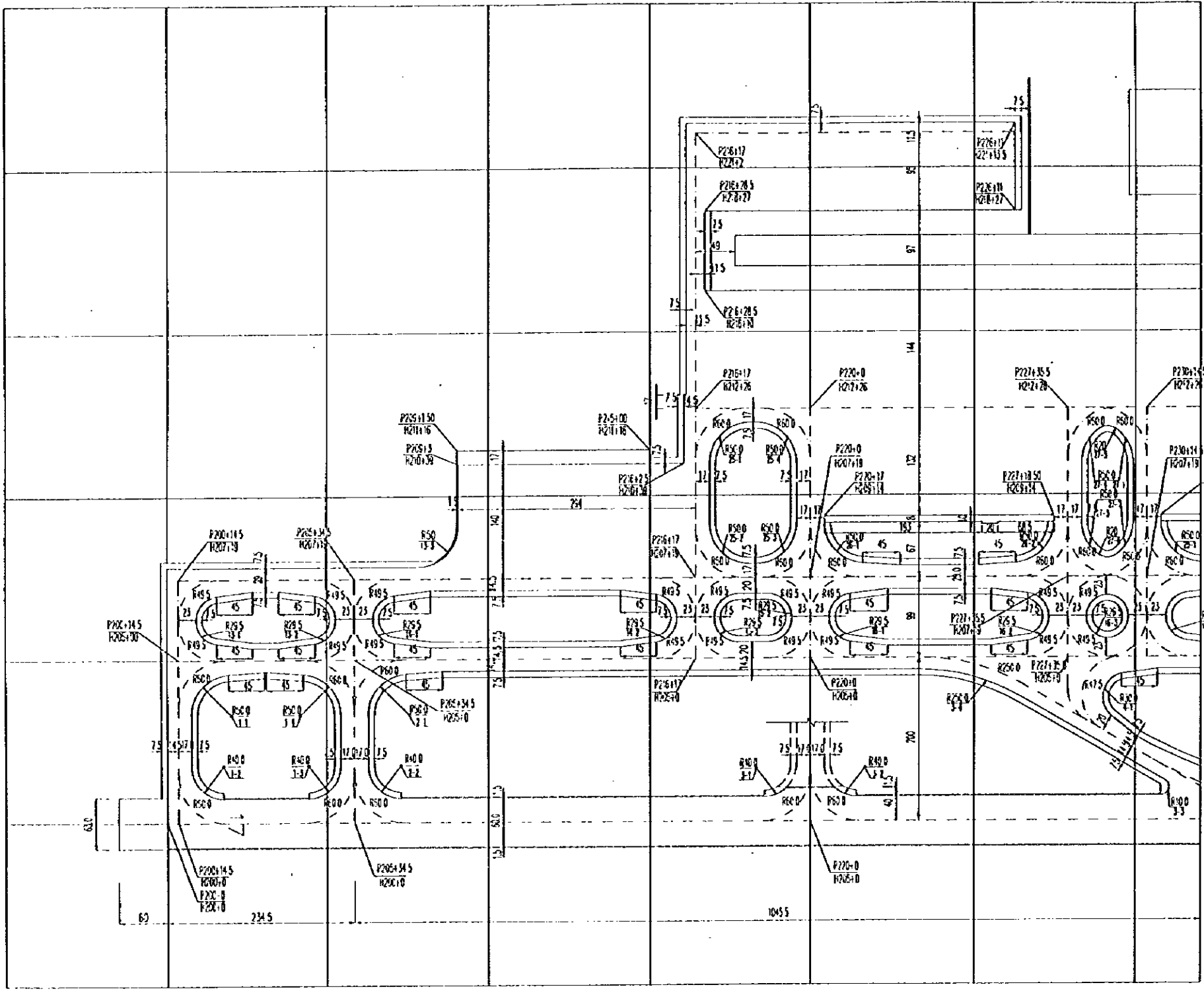
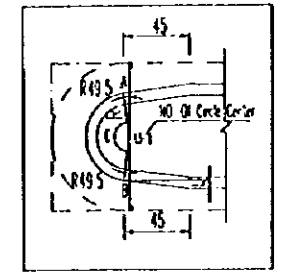
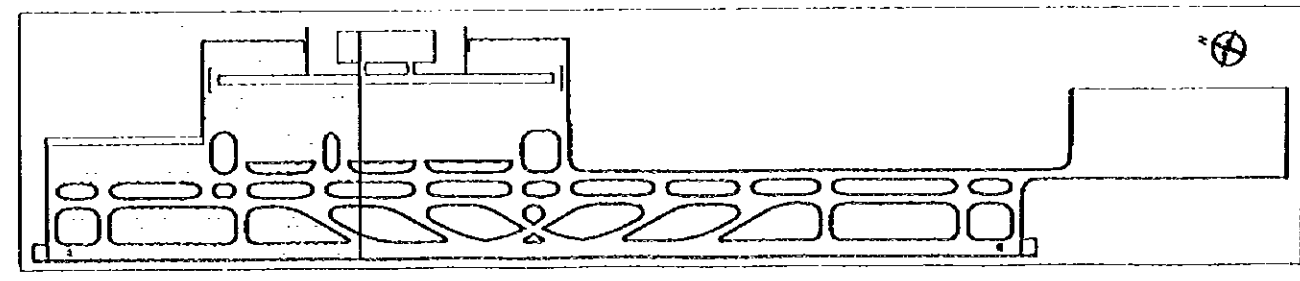


Diagram Of Symbols In the list



Coordinates And Angle List of Pavement Circle Center

NO.	Coordinates		Radius R ₁	Angle C°	Angle of Perpendicular to Center		Offset L ₁
	P	H			A	B	
1-1	202+15	203+12.61	50	86.186	3.814	0	3.0
1-2	201+31.5	201+30.0	40	90	0	0	
1-3	204+17.5	201+30.0	40	90	0	0	
1-4	204+7.5	203+12.61	50	86.186	3.814	0	3.0
2-1	207+21.5	203+12.61	50	86.186	3.814	0	3.0
2-2	207+11.5	201+30.0	40	90	0	0	
3-1	218+23.0	201+30.0	40	90	0	0	
3-2	221+17.0	201+30.0	40	90	0	0	
3-3	230+31.72	201+00.0	30	150	0	0	
3-4	223+12.72	198+15.5	250	39	0	0	
4-1	229+29.36	203+30.22	30	136.064	6.968	6.968	5.5
13-1	201+27.0	206+9.5	29.5	165.472	7.264	7.264	5.736
13-2	204+22.0	206+9.5	29.5	165.472	7.264	7.264	5.736
13-3	207+33.0	209+3.5	50	90	0	0	
14-1	207+17.0	206+9.5	29.5	165.472	7.264	7.264	5.736
14-2	215+4.5	206+9.5	29.5	165.472	7.264	7.264	5.736
15-1	217+29.5	206+9.5	29.5	165.472	7.264	7.264	5.736
15-2	218+27.5	206+9.5	29.5	165.472	7.264	7.264	5.736
16-1	221+12.5	206+9.5	29.5	165.472	7.264	7.264	5.736
16-2	226+23.0	206+9.5	29.5	165.472	7.264	7.264	5.736
16-3	229+15.0	206+9.5	26.5	90	0	0	
17-1	231+27.0	206+9.5	29.5	165.472	7.264	7.264	5.736
25-1	218+4.0	210+39.0	50	90	0	0	
25-2	218+4.0	209+6.0	50	90	0	0	
25-3	218+13.0	209+6.0	50	90	0	0	
25-4	218+13.0	210+39.0	50	90	0	0	
26-1	221+27.0	209+6.39	50	86.186	0	3.814	3.0
26-2	226+8.5	209+6.39	50	86.186	0	3.814	3.0
27-1	229+22.5	210+39.0	50	54.315	35.685	0	
27-2	229+22.5	209+6.0	50	54.315	35.685	0	
27-3	228+27.5	209+6.0	50	54.315	35.685	0	
27-4	228+27.5	210+39.0	50	54.315	35.685	0	
27-5	229+5.0	211+23.37	20	71.370	54.315	54.315	
27-6	229+5.0	208+21.63	20	71.370	54.315	54.315	



PEOPLE'S REPUBLIC OF CHINA
 SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT (SEPTEMBER 1997)
 PAVEMENT PLAN MEASUREMENT DRAWING
 SCALE 1:2500
 DWG1-P2(1/3)
 JAPAN INTERNATIONAL COOPERATION AGENCY

P227
+20

P230

P235

P240

P245

P250

P255

P260

P265

P267

H225

H220

H215

H210

H205

H200

H195

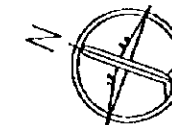
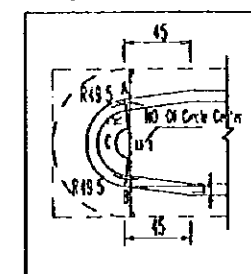
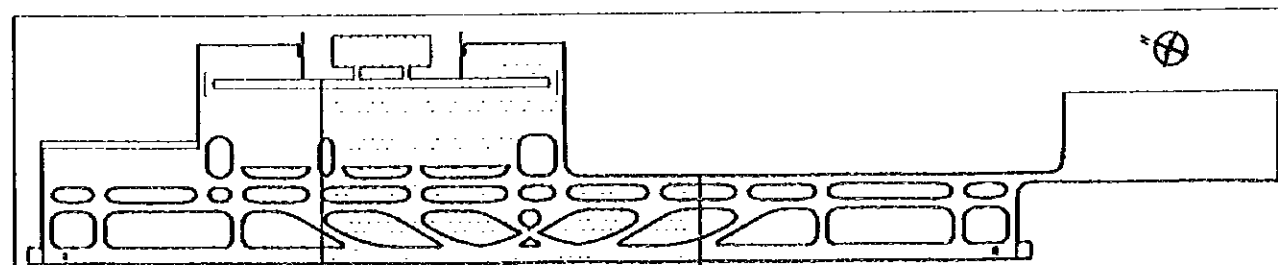
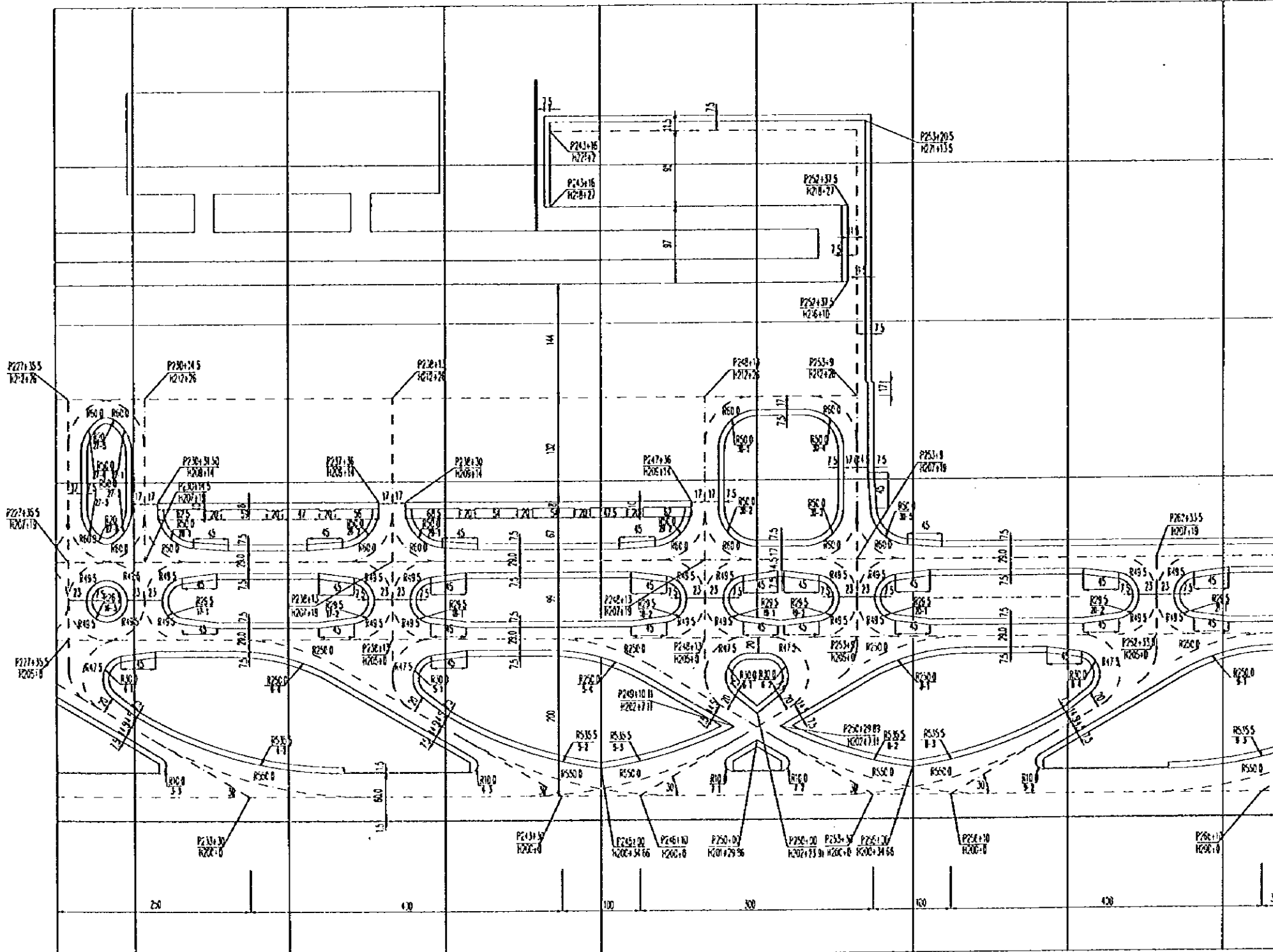


Diagram Of Symbols In the list



Coordinates And Angle List of Pavement Circle Center

NO	Coordinates		Radius R _{eq}	Angle C°	Angle of Perpendicular to Centerline		Offset L _{eq}
	P	H			A	B	
4-1	229+29.36	203+30.22	30	136.064	6.968	0	5.5
4-2	236+30.53	214+5.5	535.5	30	0	0	
4-3	240+31.72	201+0.0	10	150	0	0	
4-4	233+12.72	198+15.5	250	30	0	0	
5-1	239+29.36	203+30.22	30	136.064	6.968	0	5.5
5-2	246+30.53	214+5.5	535.5	22.432	0	7.568	
5-3	243+9.48	214+5.5	535.5	19.136	7.568	3.296	
5-4	243+12.72	198+15.5	250	30	0	0	
6-1	249+29.36	203+30.22	30	136.064	6.968	0	
6-2	250+10.64	203+30.22	30	136.064	6.968	0	
7-1	249+8.28	201+0.0	10	150	0	0	
7-2	250+31.72	201+0.0	10	150	0	0	
8-1	256+27.28	198+15.5	250	30	0	0	
8-2	256+30.53	214+5.5	535.5	19.136	7.568	3.296	
8-3	253+9.48	214+5.5	535.5	22.432	0	7.568	
8-4	260+10.64	203+30.22	30	136.064	6.968	0	5.5
9-1	266+27.28	198+15.5	250	30	0	0	
9-2	259+8.28	201+0.0	10	150	0	0	
9-3	263+9.48	214+5.5	535.5	30	0	0	
17-1	231+27.0	206+9.5	29.5	165.472	7.264	7.264	5.736
17-2	237+0.5	206+9.5	29.5	165.472	7.264	7.264	5.736
18-1	239+25.5	206+9.5	29.5	165.472	7.264	7.264	5.736
18-2	247+0.5	206+9.5	29.5	165.472	7.264	7.264	5.736
19-1	249+25.5	206+9.5	29.5	165.472	7.264	7.264	5.736
19-2	251+36.5	206+9.5	29.5	165.472	7.264	7.264	5.736
20-1	254+21.5	206+9.5	29.5	165.472	7.264	7.264	5.736
20-2	261+21.0	206+9.5	29.5	165.472	7.264	7.264	5.736
28-1	232+11.5	209+6.39	50	86.186	0	3.814	3.0
28-2	236+26.0	209+6.39	50	86.186	0	3.814	3.0
29-1	240+0.0	209+6.39	50	86.186	0	3.814	3.0
29-2	246+26.0	209+6.39	50	86.186	0	3.814	3.0
30-1	250+0.0	210+39.0	50	90	0	0	
30-2	250+0.0	209+6.00	50	90	0	0	
30-3	251+22.0	209+6.00	50	90	0	0	
30-4	251+22.0	210+39.0	50	90	0	0	
30-5	254+36.39	209+6.39	50	82.372	3.814	3.814	3.0



PEOPLE'S REPUBLIC OF CHINA
 SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT | SEPTEMBER 1997
 PAVEMENT PLAN MEASUREMENT DRAWING
 SCALE 1:1000
 DWG1-P2(2/3)
 JAPAN INTERNATIONAL COOPERATION AGENCY

P263 P265 P270 P275 P280 P285 P290 P295 P300 P302
+20

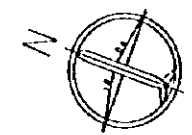
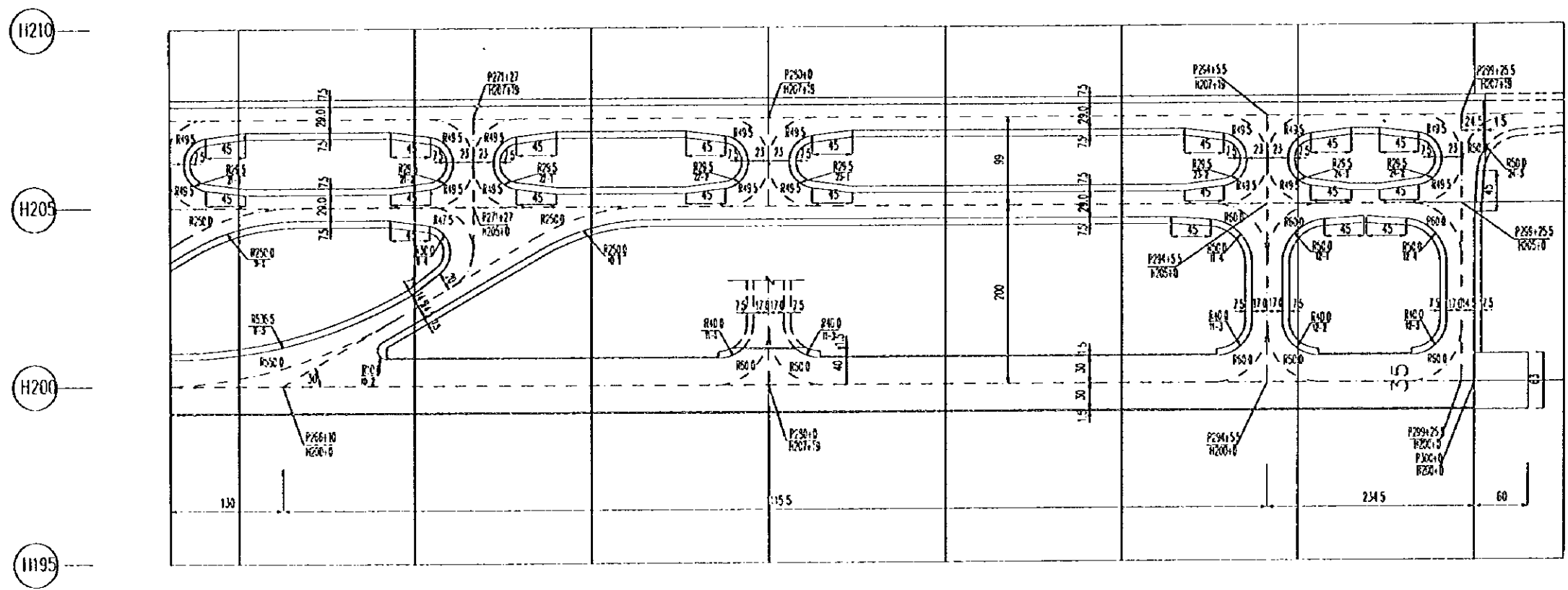
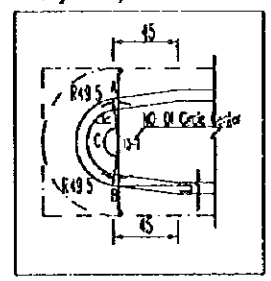


Diagram Of Symbols in the List



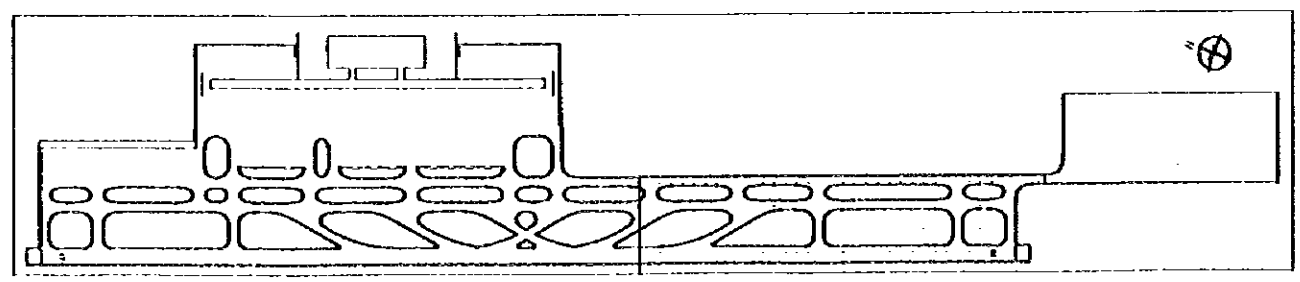
Coordinates And Angle List of Pavement Circle Center

NO.	Coordinates		Radius R (m)	Angle C	Angle of Projection to the Center		Offset L (m)
	P	H			A	B	
9-1	266+27.28	198+15.5	250	30	0	0	
9-2	259+8.28	201+0.00	10	150	0	0	
9-3	263+9.43	214+5.5	535.5	30	0	0	
9-4	270+10.64	203+30.22	30	136.084	6.928	0	5.5
10-1	276+27.28	198+15.5	250	30	0	0	
10-2	269+8.28	201+0.00	10	150	0	0	
11-1	278+23.0	201+30.0	40	90	0	0	
11-2	281+17.0	201+30.0	40	90	0	0	
11-3	292+28.5	201+30.0	40	90	0	0	
11-4	297+18.5	203+12.61	50	86.186	3.814	0	3.0
12-1	295+32.5	203+12.61	50	86.186	3.814	0	3.0
12-2	295+22.5	201+30.0	40	90	0	0	
12-3	289+8.5	201+30.0	40	90	0	0	
12-4	297+38.5	203+12.61	50	86.186	3.814	0	3.0
21-1	264+5.0	206+9.5	29.5	165.472	7.264	7.264	5.736
21-2	270+14.5	206+9.5	29.5	165.472	7.264	7.264	5.736
22-1	272+39.5	206+9.5	29.5	165.472	7.264	7.264	5.736
22-2	278+27.5	206+9.5	29.5	165.472	7.264	7.264	5.736
23-1	281+12.5	206+9.5	29.5	165.472	7.264	7.264	5.736
23-2	292+33.0	206+9.5	29.5	165.472	7.264	7.264	5.736
24-1	295+18.0	206+9.5	29.5	165.472	7.264	7.264	5.736
24-2	295+13.0	206+9.5	29.5	165.472	7.264	7.264	5.736
24-3	301+12.89	205+31.61	50	82.372	3.814	3.814	3.0

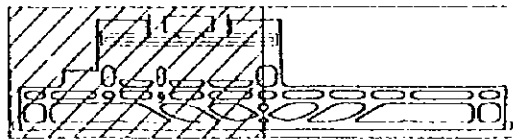
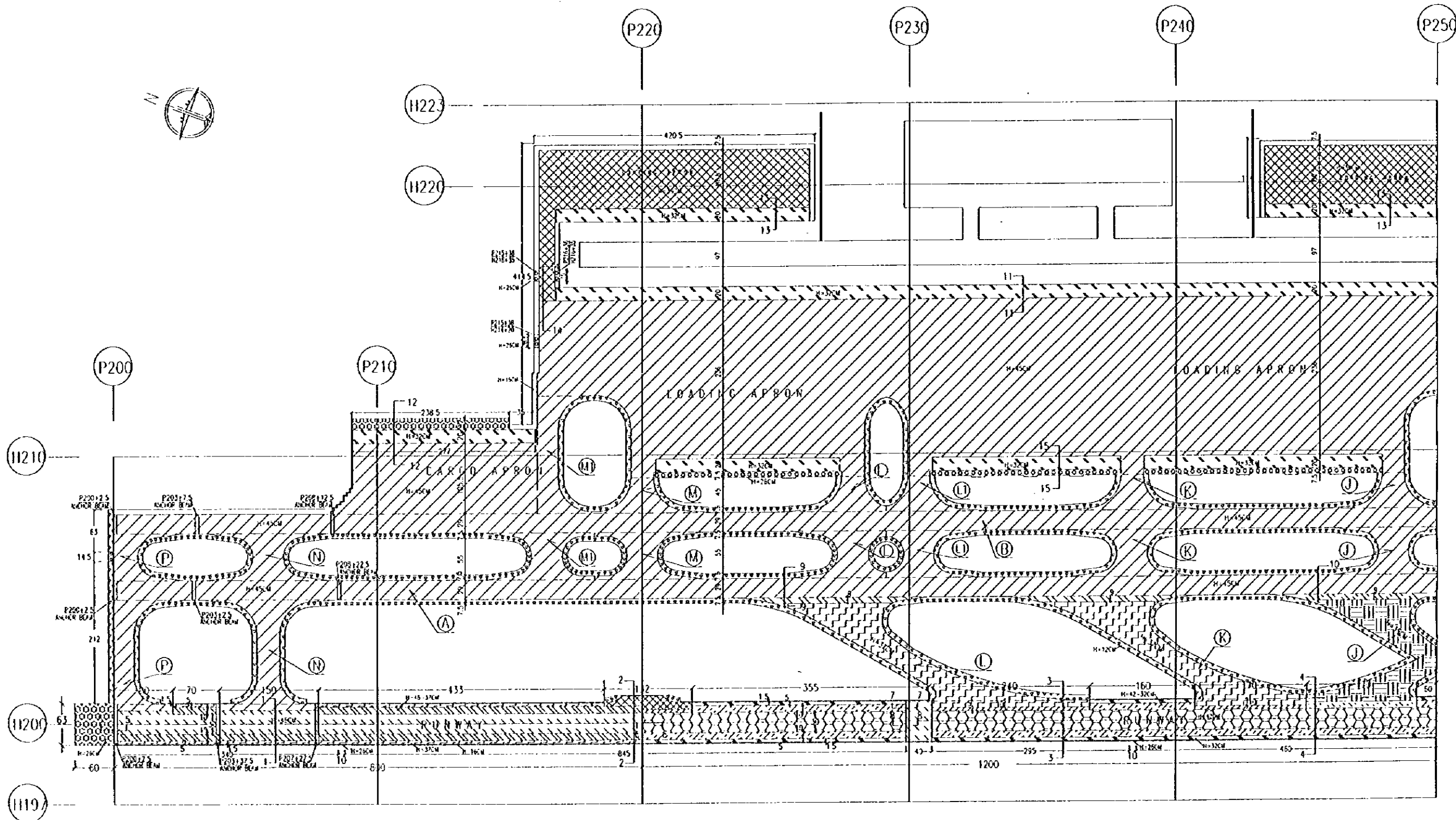
NOTE

- Scale: 1:3000, Unit: meter.
- Circle center coordinates and corresponding angle of pavement edge line are shown in relevant table above.
- Legend
 - Pavement line
 - Shoulder line
 - Pavement centerline
 - Planning pavement line
 - Planning shoulder line

R335.5 — Radius of circle
0-3 — NO of circle center

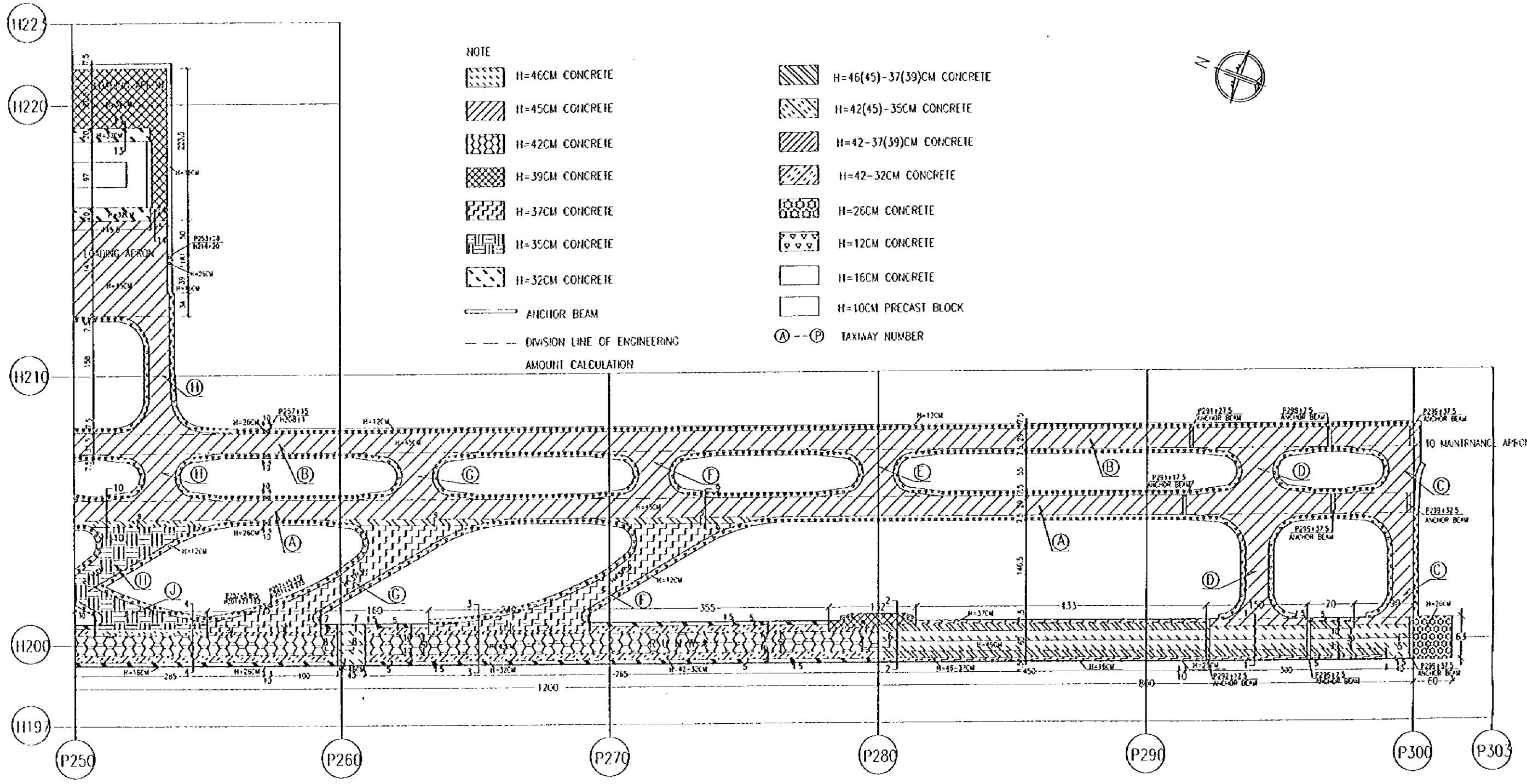


PEOPLE'S REPUBLIC OF CHINA			
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT		SEPTEMBER 1997	
PAYMENT PLAN MEASUREMENT DRAWING			
SCALE	1:10 25 50m	1:20m	1:50m
		DWG1-P2(3/3)	
JAPAN INTERNATIONAL COOPERATION AGENCY			

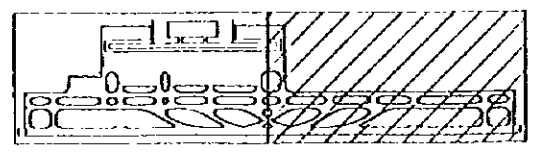
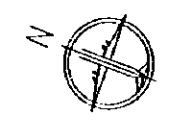


KEY PLAN

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
PLAN FOR PAVEMENT STRUCTURE (1/2)	
SCALE	1:1000 (1/2)
DWG: P3(1/2)	
JAPAN INTERNATIONAL COOPERATION AGENCY	

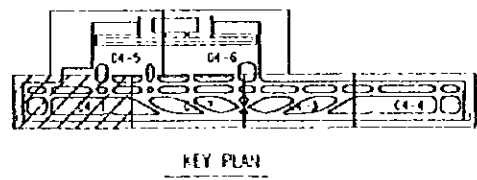
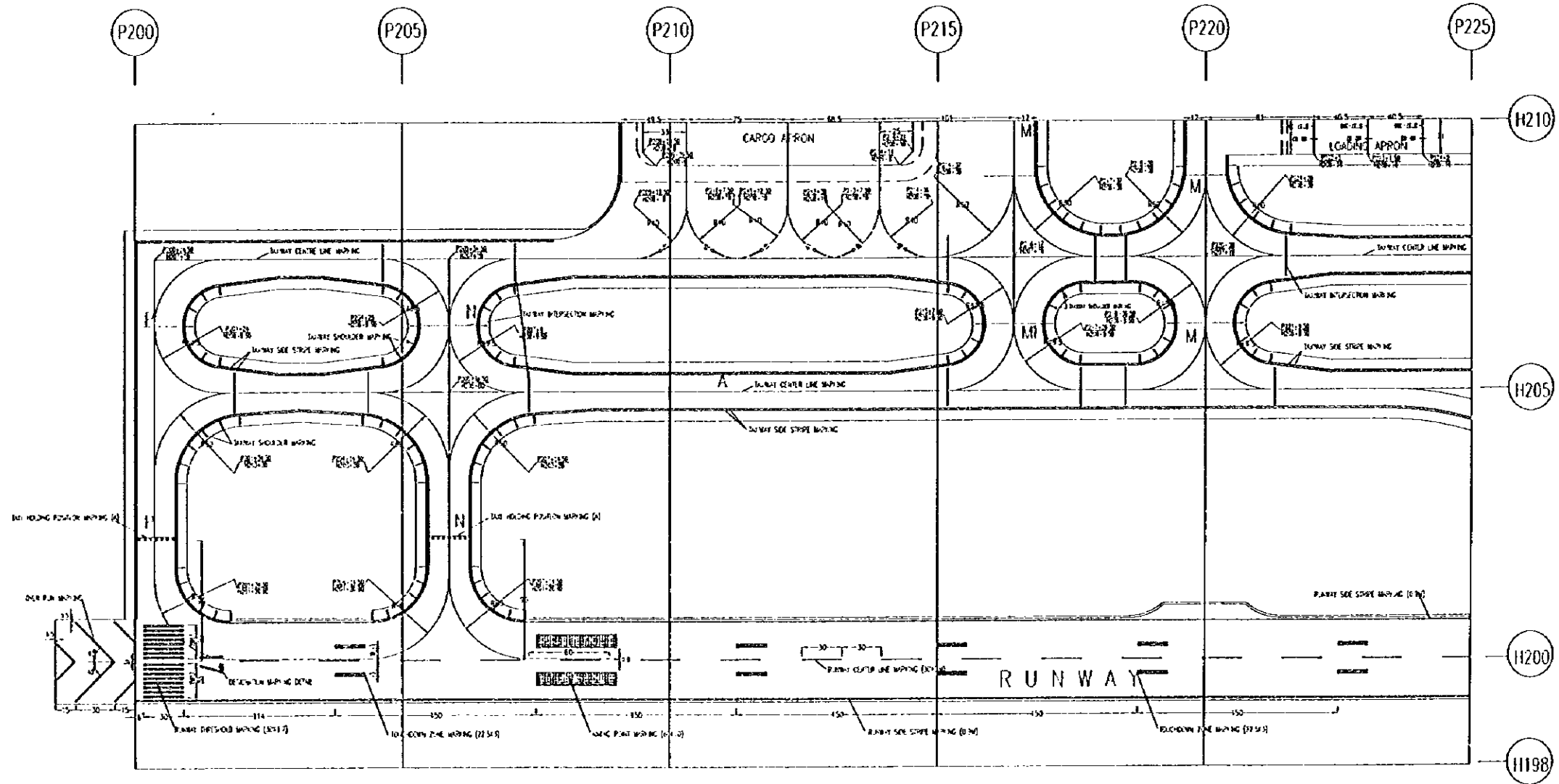


- NOTE
- H=46CM CONCRETE
 - H=45CM CONCRETE
 - H=42CM CONCRETE
 - H=39CM CONCRETE
 - H=37CM CONCRETE
 - H=35CM CONCRETE
 - H=32CM CONCRETE
 - ANCHOR BEAM
 - DIVISION LINE OF ENGINEERING AMOUNT CALCULATION
 - H=46(45)-37(39)CM CONCRETE
 - H=42(45)-35CM CONCRETE
 - H=42-37(39)CM CONCRETE
 - H=42-32CM CONCRETE
 - H=26CM CONCRETE
 - H=12CM CONCRETE
 - H=16CM CONCRETE
 - H=10CM PRECAST BLOCK
 - TAXIWAY NUMBER

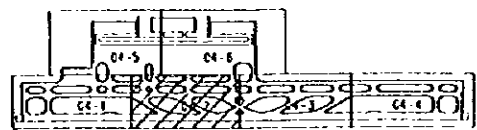
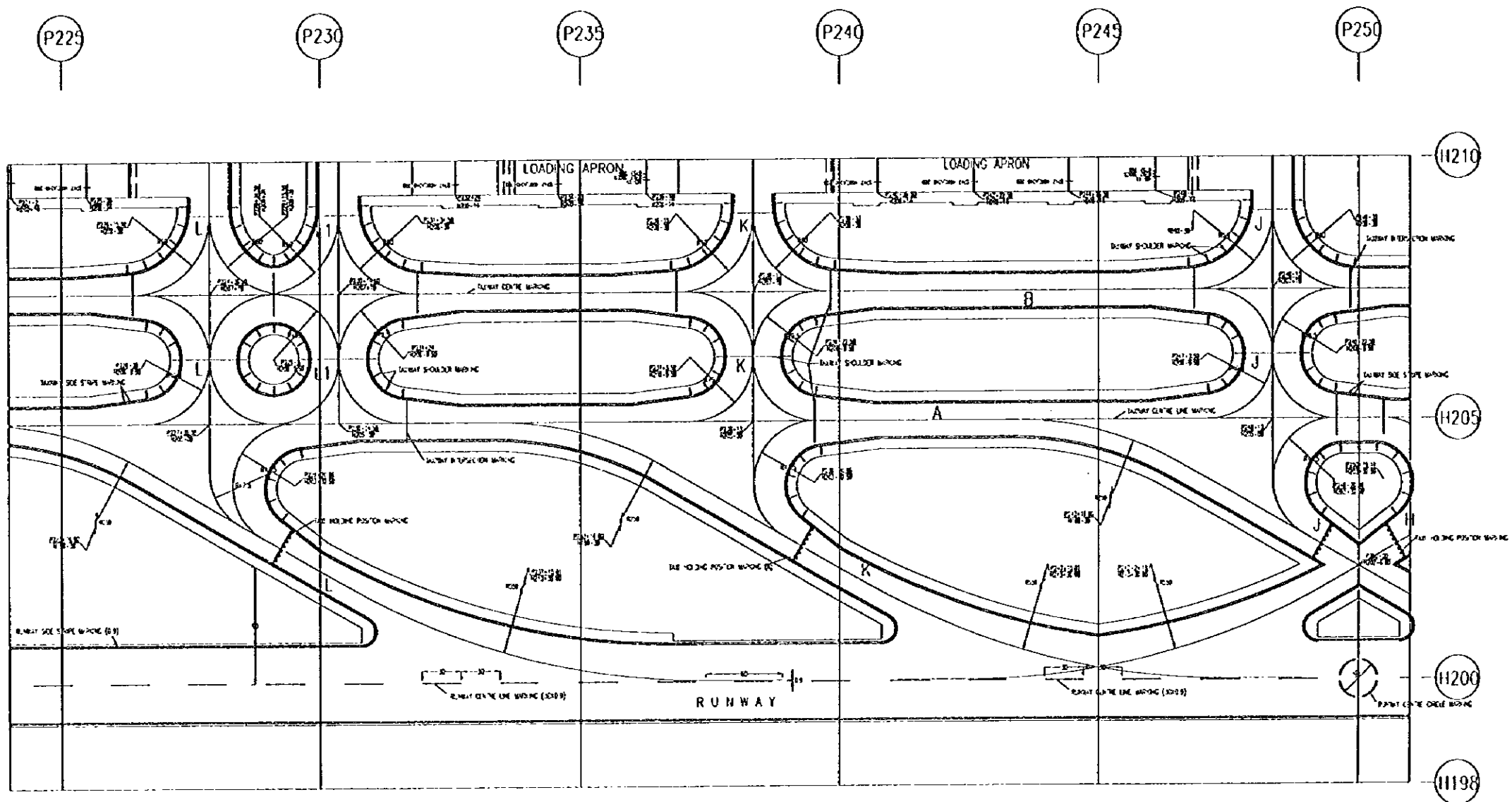


KEY PLAN

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
PLAN FOR PAVEMENT STRUCTURE (2/2)	
SCALE	1:500
DWG-P3(2/2)	
JAPAN INTERNATIONAL COOPERATION AGENCY	

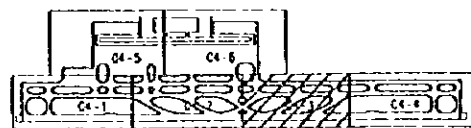
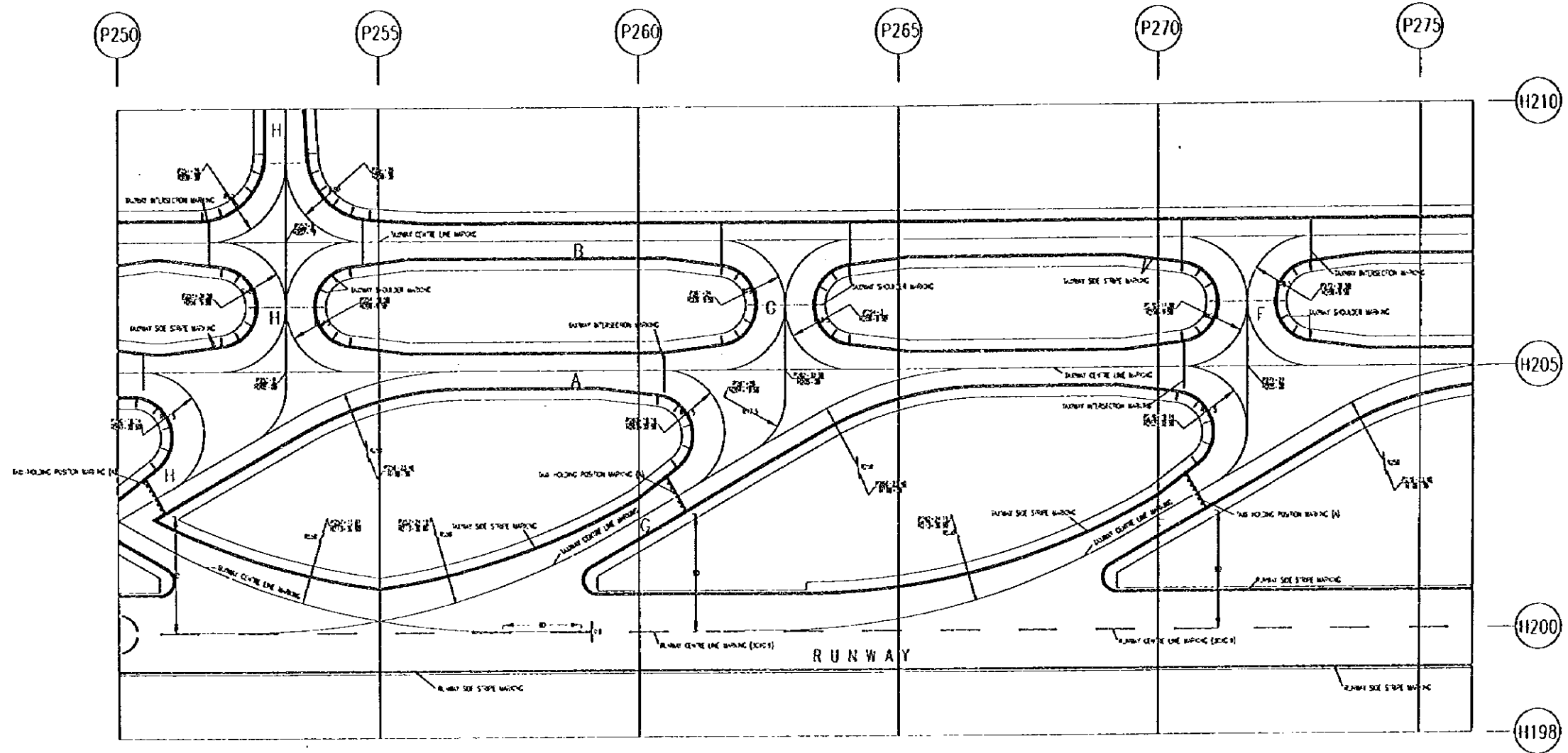


PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUZHONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
MARKING DETAILS (1/8)	
SCALE	DWG1-P4(1/8)
JAPAN INTERNATIONAL COOPERATION AGENCY	



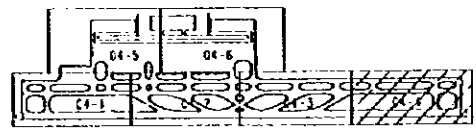
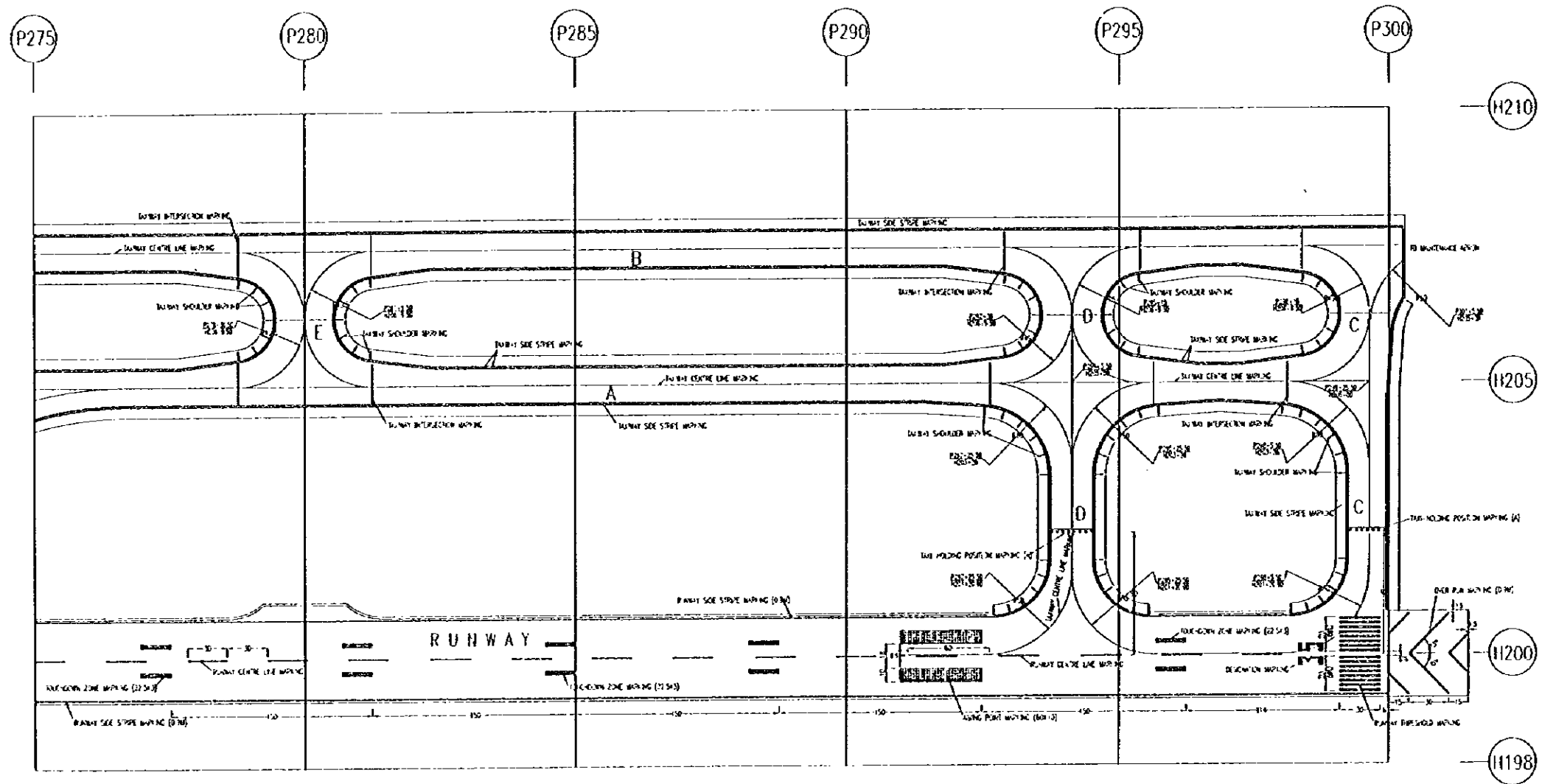
KEY PLAN

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT SEPTEMBER 1997	
MARKING DETAILS (2/8)	
SCALE	DWG1-PA(2/8)
JAPAN INTERNATIONAL COOPERATION AGENCY	



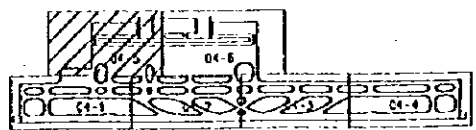
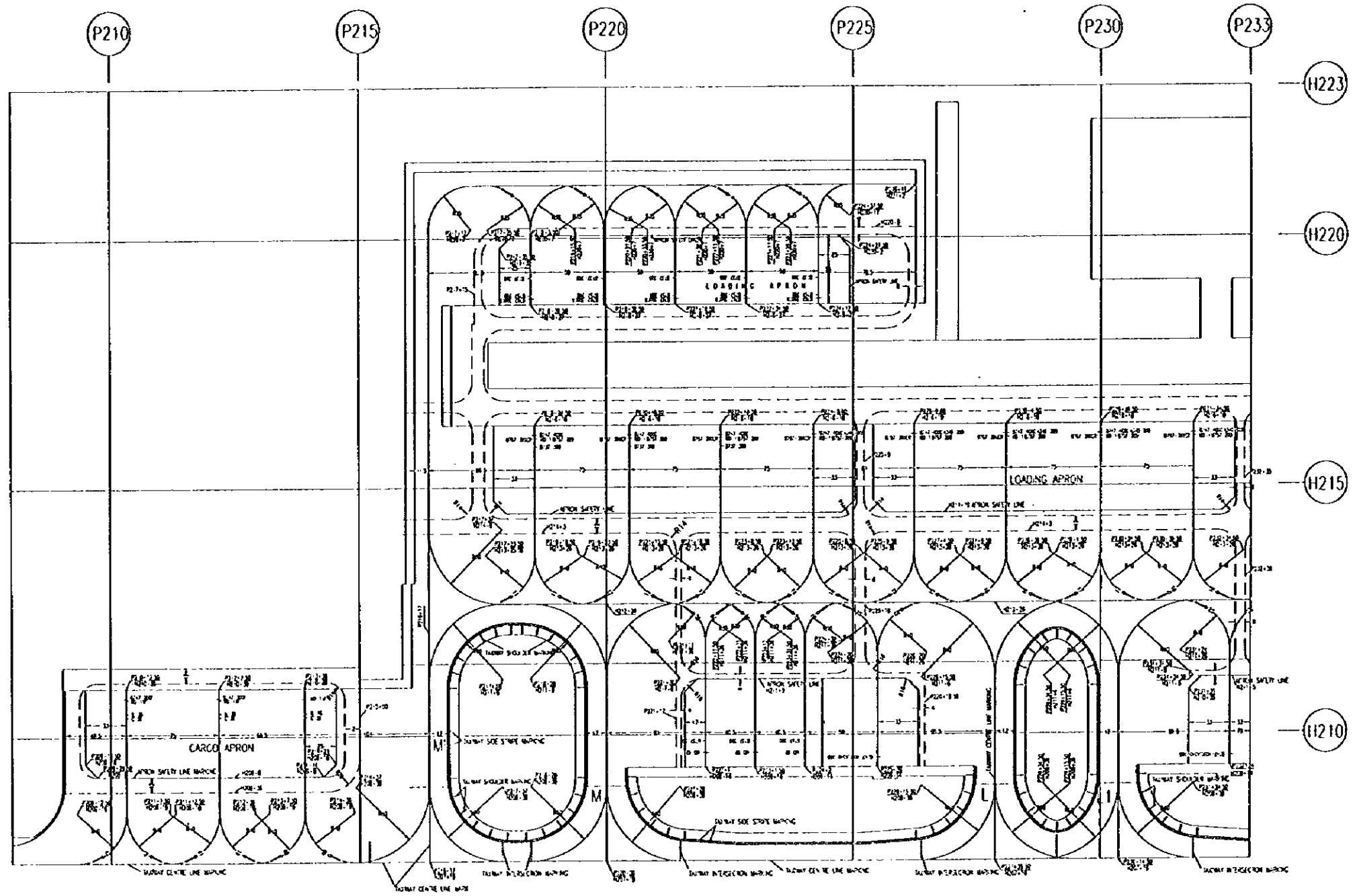
KEY PLAN

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
MARKING DETAILS (3/8)	
SCALE	1:1000 DWG1-P4(3/8)
JAPAN INTERNATIONAL COOPERATION AGENCY	

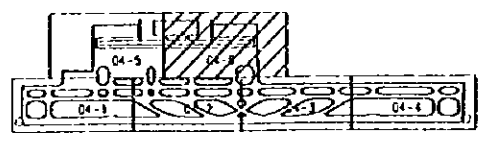
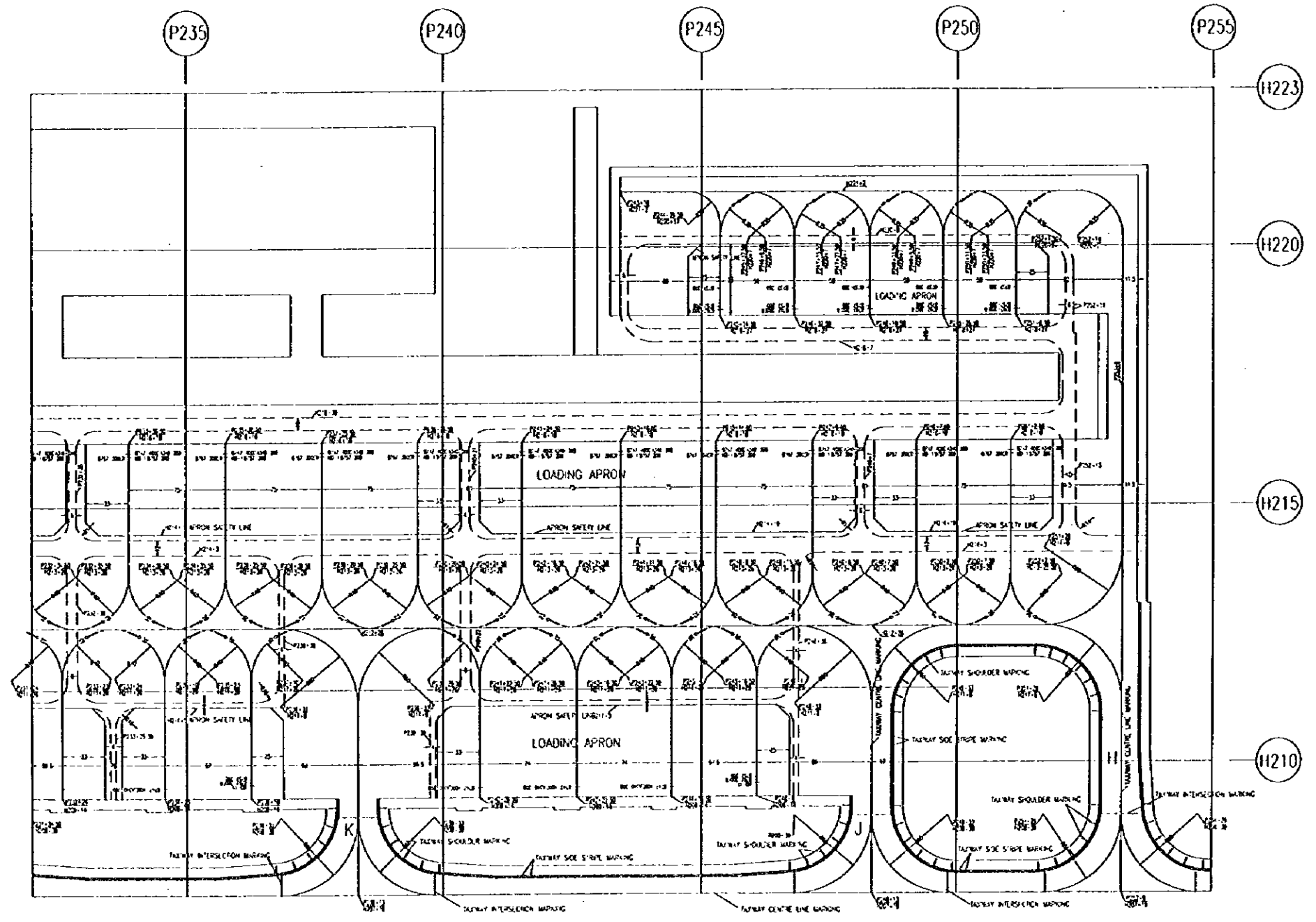


KEY PLAN

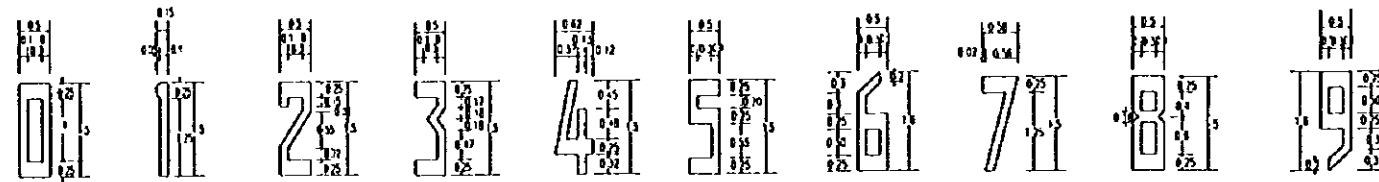
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
MARKING DETAILS (1/8)	
SCALE 1:200	CHG1-P4(1/8)
JAPAN INTERNATIONAL COOPERATION AGENCY	



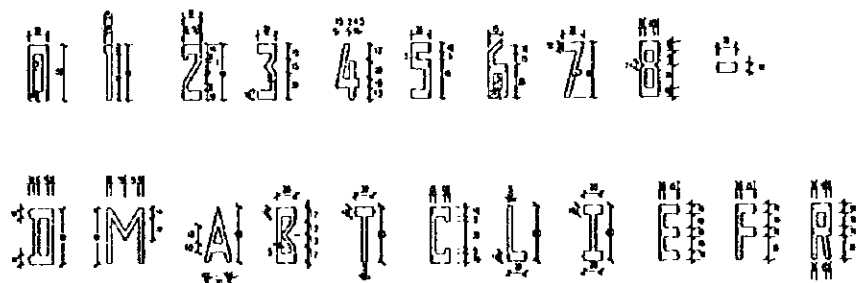
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
MARKING DETAILS (5/8)	
SCALE	DWG1-P4(5/8)
JAPAN INTERNATIONAL COOPERATION AGENCY	



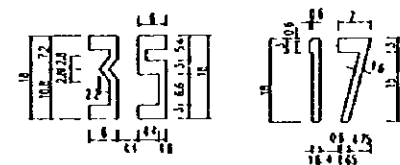
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
MARKING DETAILS (6/8)	
SCALE	DWG1-P4(6/8)
JAPAN INTERNATIONAL COOPERATION AGENCY	



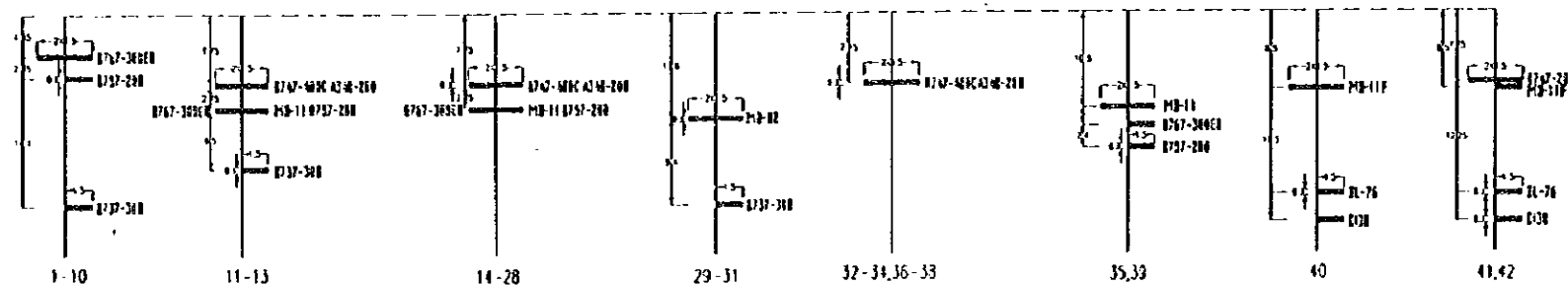
AIRCRAFT STAND NUMBER MARKING (UNIT:M)



AIRCRAFT DESIGNATION MARKING (UNIT:CM)

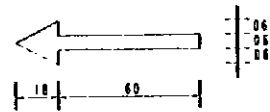


RUNWAY DESIGNATION MARKING (UNIT:M)

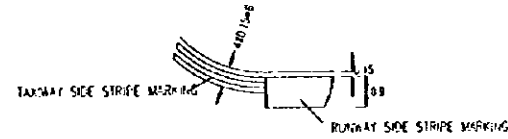


NUMBER 1--42 AIRCRAFT STAND STOP LINE MARKING (UNIT:M)

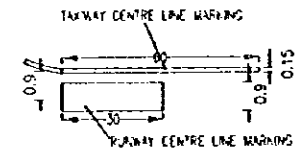
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
MARKING DETAILS (7/8)	
SCALE	NON SCALE DWG1-P4(7/8)
JAPAN INTERNATIONAL COOPERATION AGENCY	



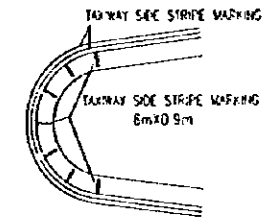
LEAD-IN ARROW MARKING



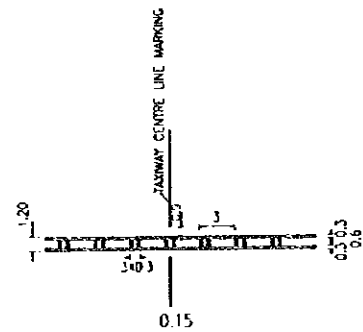
SIDE STRIPE MARKING AT INTERSECT PLACE



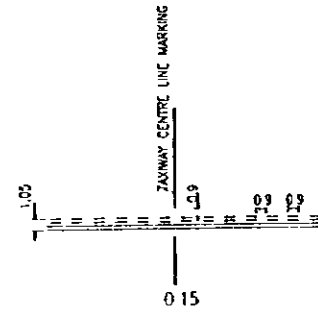
CENTRE LINE MARKING AT INTERSECT PLACE



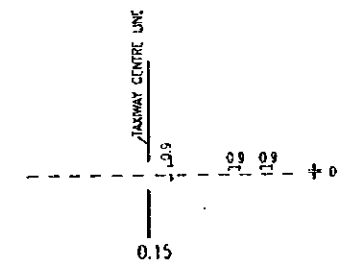
TAXIWAY SIDE STRIPE MARKING



TAXI-HOLDING POSITION MARKING DETAIL (B)
2 LINES AT 0.3M EACH 1 SPACE AT 0.6M

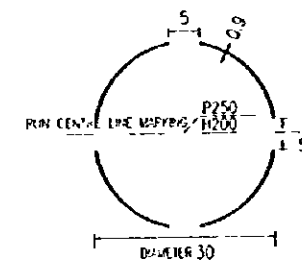


TAXI-HOLDING POSITION MARKING DETAIL (A)
4 LINES AND 3 SPACES AT 0.15M EACH



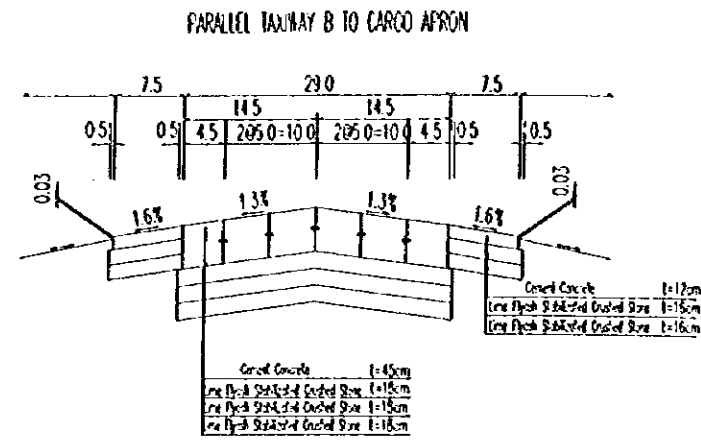
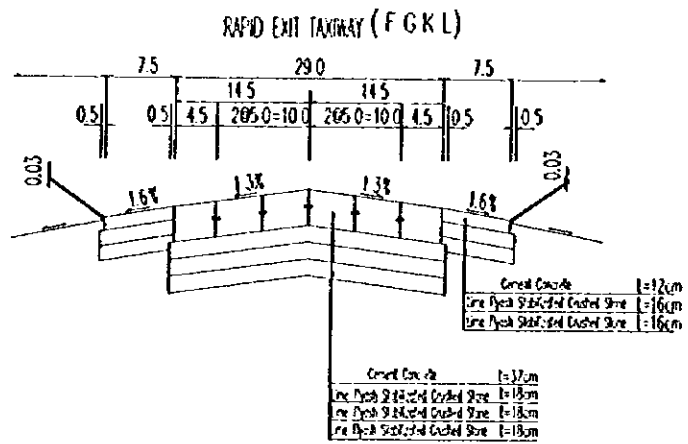
TAXIWAY INTERSECTION MARKING

N.O'S	MARKING NAME	COLOUR AND AREA		REMARKS
		YELLOW M ²	RED M ²	
1	THRESHOLD MARKING	1632		30X1.7
2	RUNWAY DESIGNATION	210		
3	TOUCHDOWN ZONE MARKING	1350		22.5X3
4	AIMING POINT MARKING	2400		60X10
5	RUNWAY CENTRE LINE MARKING	1782		30X0.9
6	RUNWAY CENTRE CIRCLE MARKING	67		
7	RUNWAY SIDE STRIPE MARKING	5686		0.9
8	OVER RUN MARKING	310		0.9
9	TAXI-HOLDING POSITION MARKING	290		
10	TAXIWAY CENTRE LINE MARKING	3600		0.15
11	TAXIWAY SIDE STRIPE MARKING	7200		0.15
12	TAXIWAY INTERSECTION MARKING	360		
13	TAXIWAY SHOULDER MARKING	2123		6X0.9
14	TAXI CENTRE LINE MARKING	2340		0.15
15	AIRCRAFT STAND DESIGNATION MARKING	137		
16	STOP LINE MARKING	70		
17	LEAD-IN APRON MARKING	387		
18	LANE MARKING	6400		0.2
19	APRON SAFETY LINE MARKING		864	0.2
AREA TOTAL SUM (UNIM ²)		37004	864	

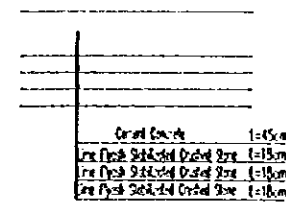


RUNWAY CENTER CIRCLE MARKING

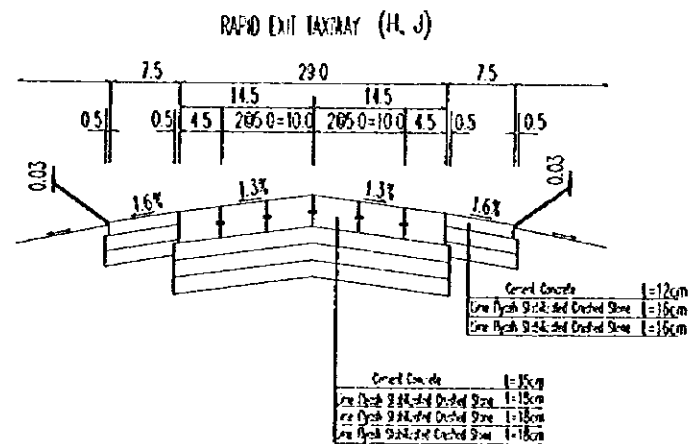
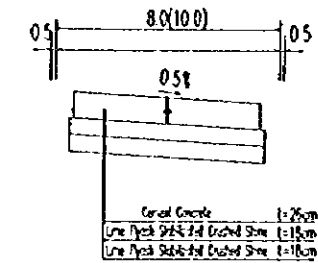
PEOPLE'S REPUBLIC OF CHINA		
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT		SEPTEMBER 1997
MARKING DETAILS (8/8)		
SCALE	NON SCALE	CWCI-P4(8/8)
JAPAN INTERNATIONAL COOPERATION AGENCY		



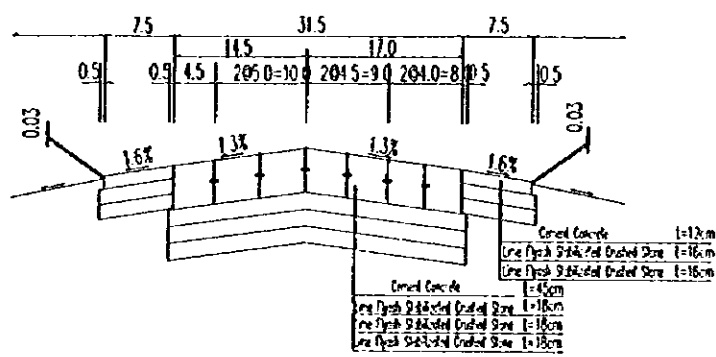
APRON (E TYPE) CARGO APRON



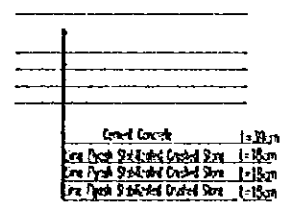
GSE Road



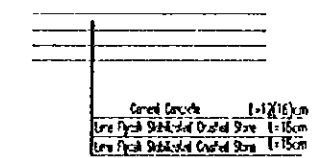
TAXIWAY (C, P)



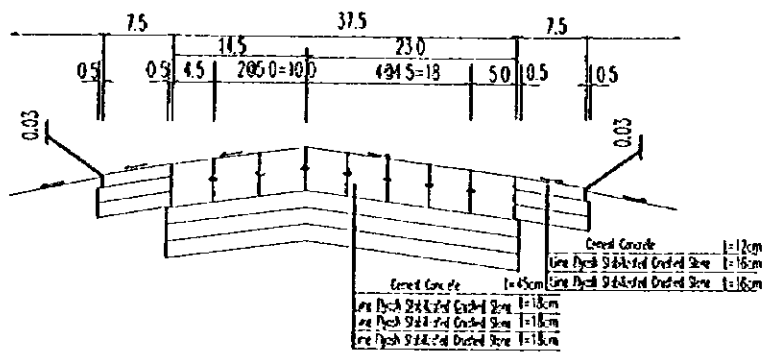
APRON (D TYPE)



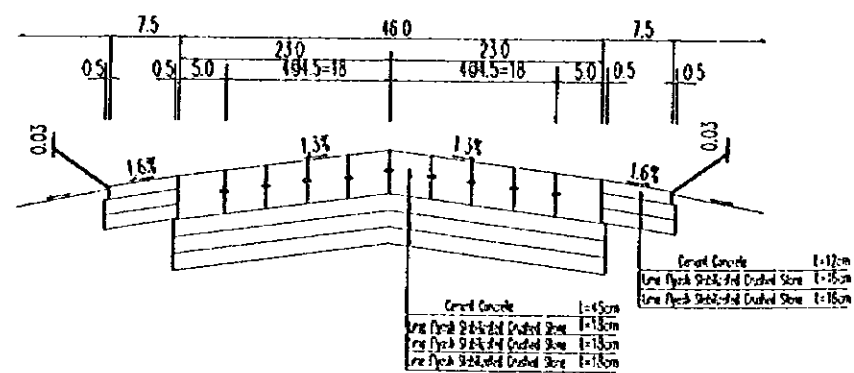
APRON SHOULDER



TAXIWAY (C, P)



APRON TAXIWAY (D E F G H J K L M N)

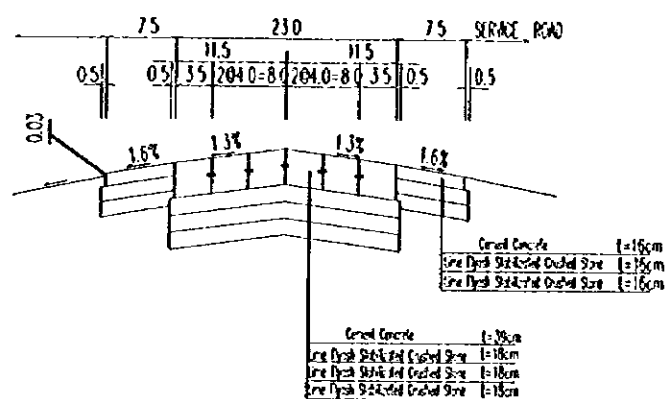


NOTE

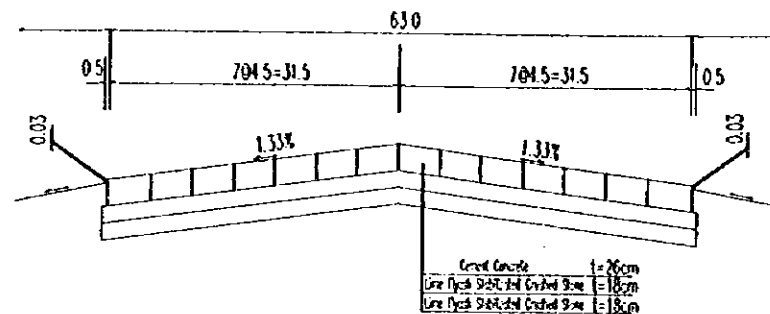
1. Unit is meter except mentioned.
2. Plan Location of pavement cross section is shown in "DWG1-P3".
3. Design requirement for lime flyash crushed stone is as follows :

Item Name	Composition	Degree of Compaction	Compression Strength
Upper and lower base	lime flyash crushed stone	≥0.98	≥2.0MPa
Subbase	lime flyash crushed stone	≥0.96	≥1.5MPa

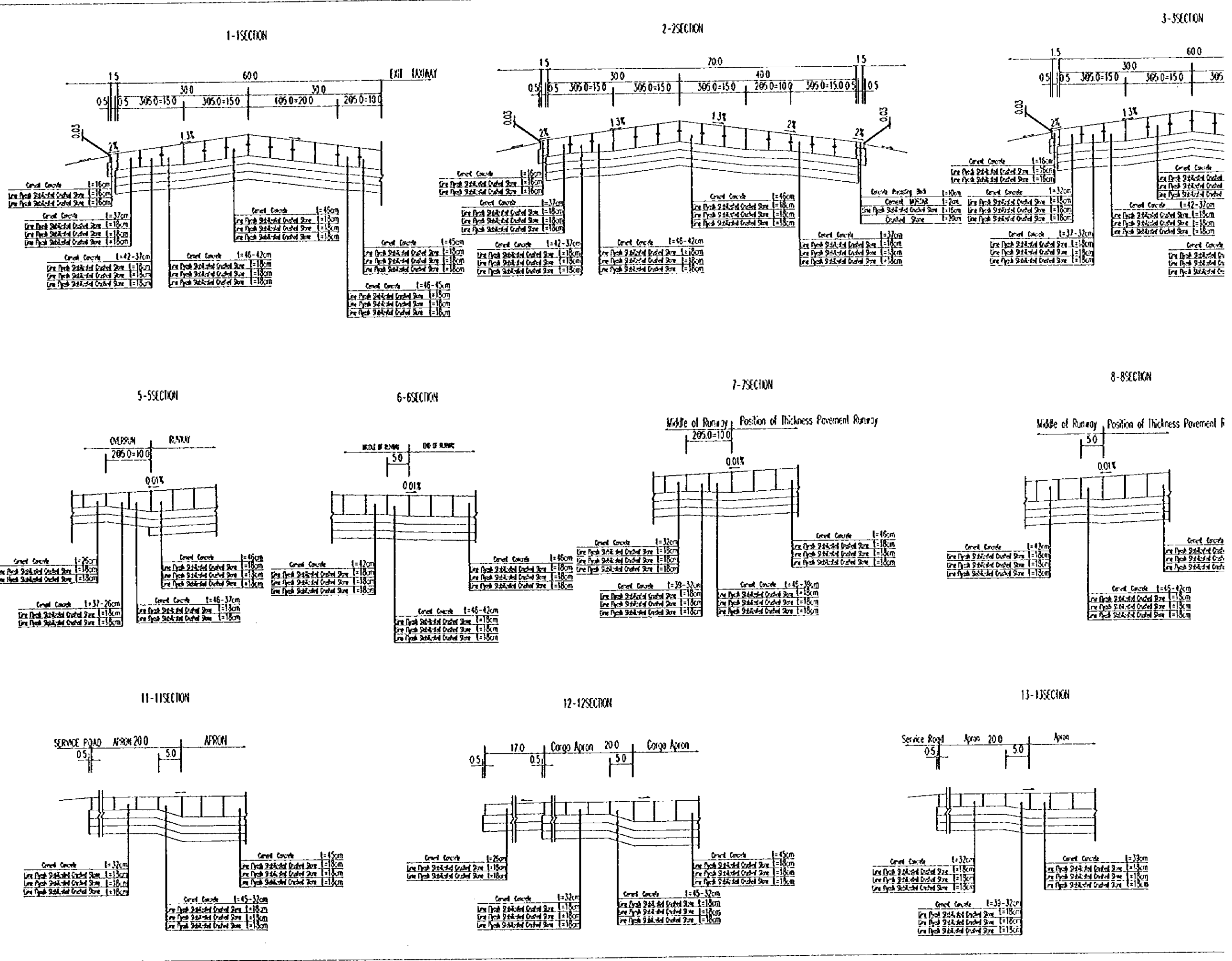
APRON (D TYPE) TAXIWAY

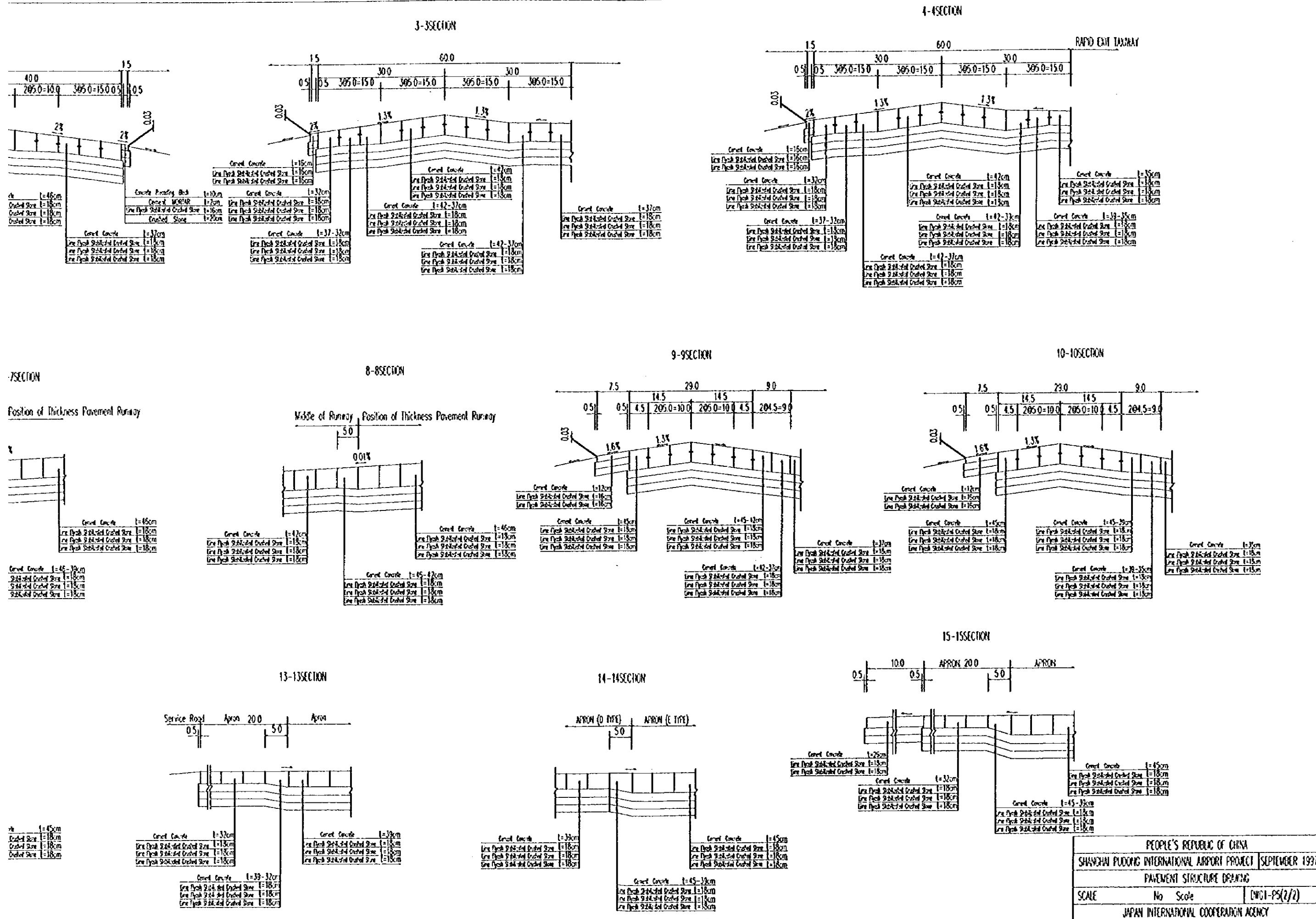


OVERRUN

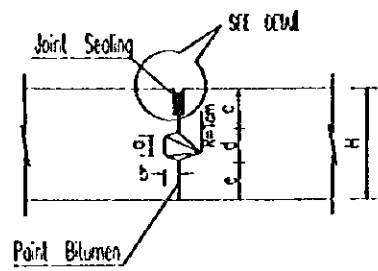


PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
PAYMENT STRUCTURE DRAWING	
SCALE	No Scale DWG1-PS(1/2)
JAPAN INTERNATIONAL COOPERATION AGENCY	

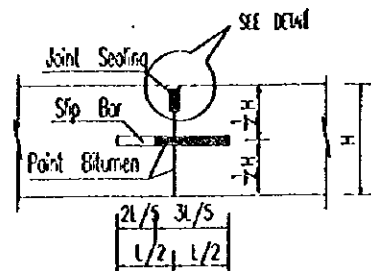




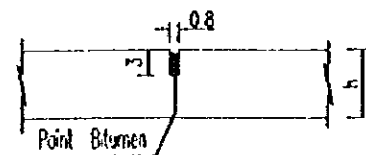
PEOPLE'S REPUBLIC OF CHINA		
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997	
PAVEMENT STRUCTURE DRAWING		
SCALE	No Scale	DWG1-PS(2/2)
JAPAN INTERNATIONAL COOPERATION AGENCY		



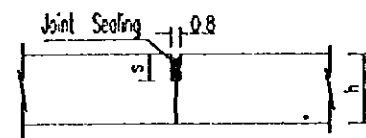
Key Joint



Flat Joint With Slip Bar

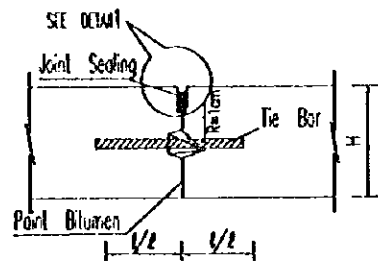


Flat Joint of Shoulder

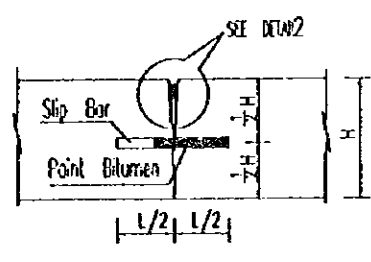


(\pm : h=12cm, s=3cm
h=16cm, s=4cm)

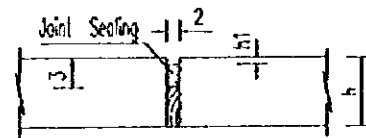
Dummy Joint of Shoulder



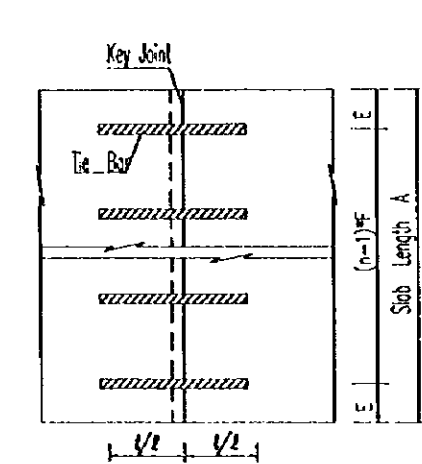
Key Joint With Tie Bar



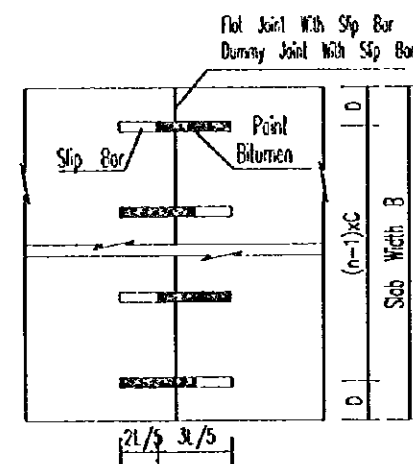
Dummy Joint With Slip Bar



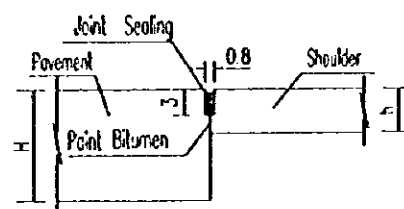
Expansion Joint of Shoulder



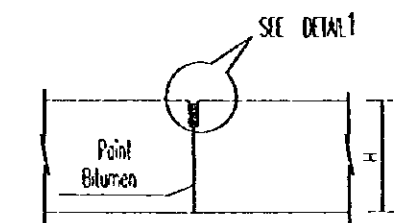
Tie Bar Arrangement Plan



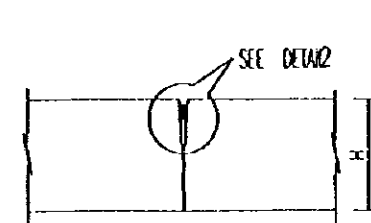
Slip Bar Arrangement Plan



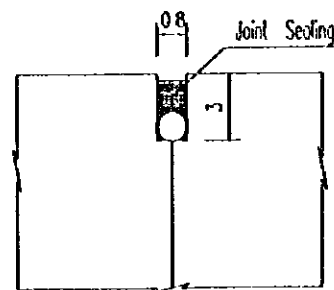
Flat Joint between Pavement and Shoulder



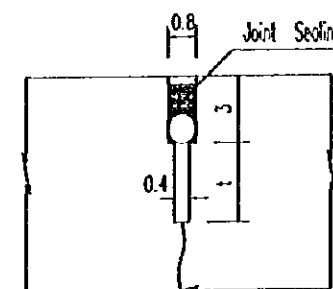
Flat Joint



Dummy Joint



DETAIL 1



(H>39cm, t=7cm
H=32, 35, 37cm, t=5cm
H=26cm, t=3cm)

DETAIL 2

Reinforcement Bar List of One Flat (Dummy) Joint with Slip Bar

Slab Length B (m)	Reinforce Bar		D (cm)	C (cm)	n	Total Length (m)	Weight Per Meter (kg/m)	Total Weight (kg)
	Diameter (mm)	Length L (cm)						
3.0	35	50	15	30	10	5.0	7.57	37.85
3.5	35	50	15	32	11	5.5	7.57	41.64
4.0	35	50	14	31	13	6.5	7.57	49.21
4.5	35	50	15	30	15	7.5	7.57	56.78
5.0	35	50	12	34	15	7.5	7.57	56.78

Reinforcement Bar List of One Key Joint with Tie Bar

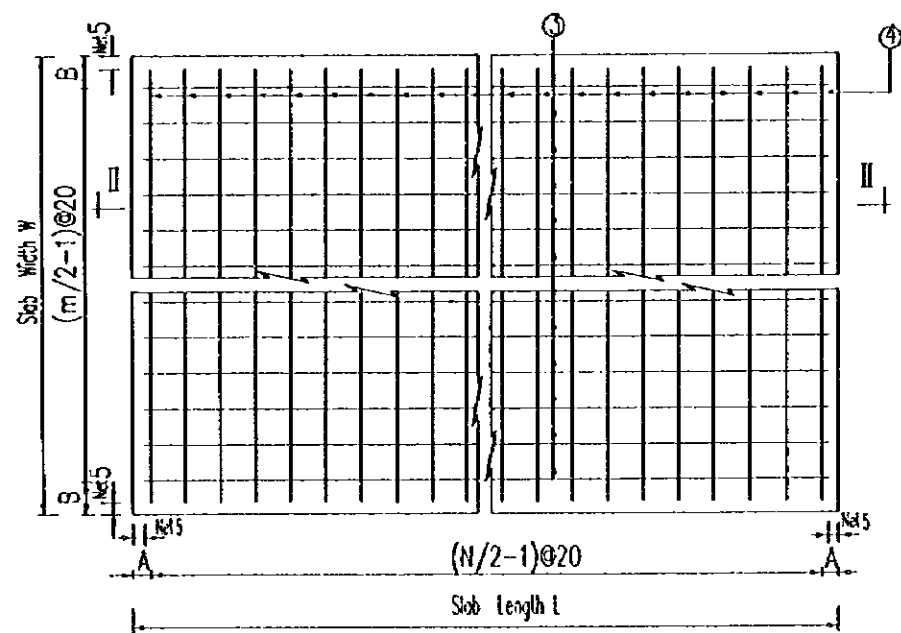
Slab Length A (m)	Reinforce Bar				n	Total Length (m)	Weight Per Meter (kg/m)	Total Weight (kg)
	Diameter (mm)	Length L (cm)	E (cm)	F (cm)				
5.0	Φ18	140	33	62	8	11.2	2.0	22.4
4.5	Φ18	140	33	64	7	9.8	2.0	19.6
4.0	Φ18	140	32	56	7	9.8	2.0	19.6

Dimension List of Key Joint

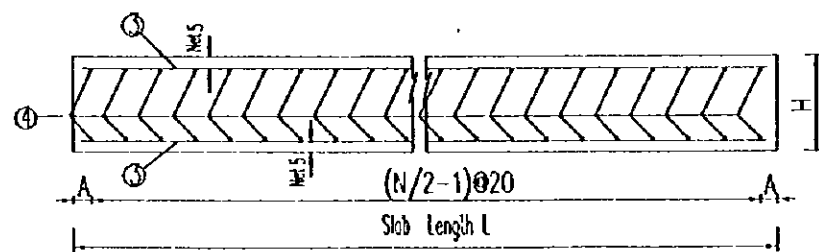
H (cm)	a (cm)	b (cm)	c (cm)	d (cm)	e (cm)
46	7	5	18	9	19
45	7	5	18	9	18
42	7	5	18	9	15
39	7	5	18	9	12
37	5	4	15	8	14
35	5	4	15	8	12
32	5	4	15	8	9
26	4.5	3	10	6	10

NOTE

1. Unit is centimeter except mentioned.
2. H -- Thickness of pavement cement concrete slab ..
h -- Thickness of pavement shoulder cement concrete slab .



Reinforcement Bar Arrangement Plan



II-II Section

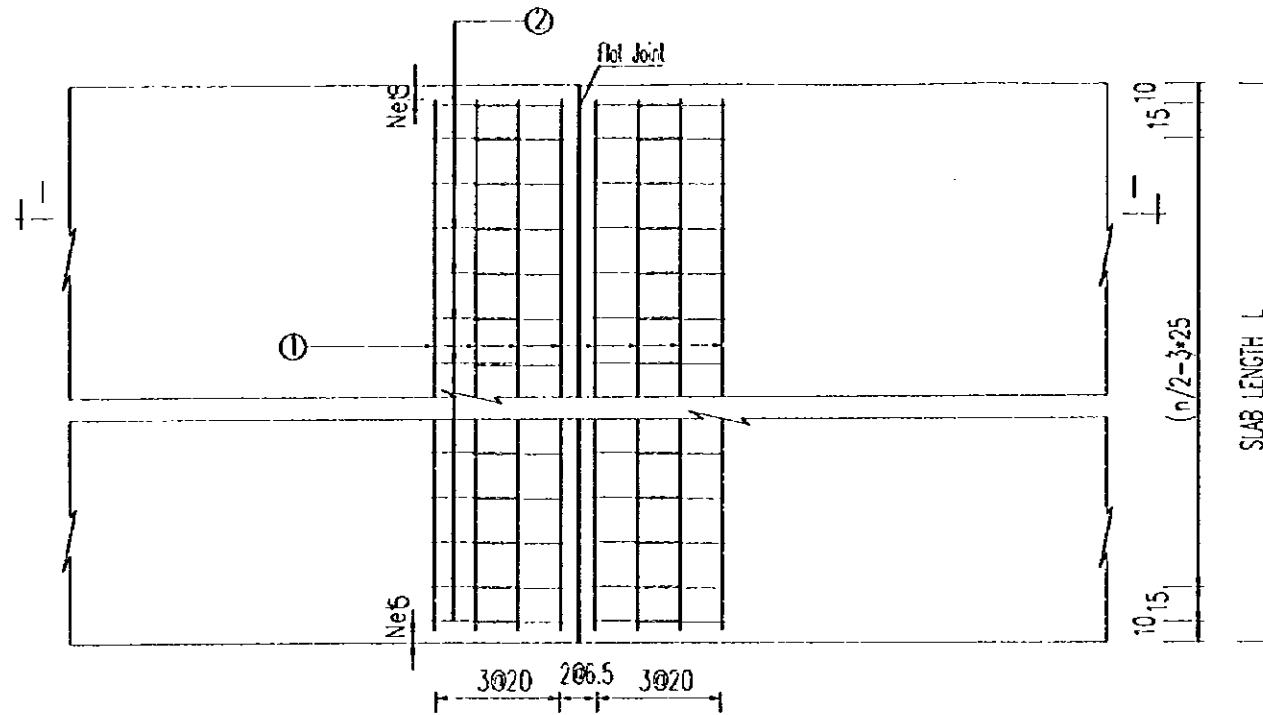
Reinforcement Bar List of One Slab

Type	LXW (m)	NO.	Shape (cm)	Dia. (mm)	A (cm)	B (cm)	Length (m)	NO's mark	Total Length (m)	Weight (kg)	Total Weight (kg)
1	5x5	①	490	φ12	10	10	4.9	50	245.0	217.56	435.12
		②	490	φ12	10	10	4.9	50	245.0	217.56	
2	5x4.5	③	490	φ12	10	15	4.9	44	215.6	191.45	386.81
		④	440	φ12	10	15	4.4	50	220.0	195.36	
3	5x4	⑤	490	φ12	10	10	4.9	40	196.0	174.05	347.21
		⑥	390	φ12	10	10	3.9	50	195.0	173.16	
4	5x3.5	⑦	490	φ12	10	15	4.9	34	166.6	147.94	298.90
		⑧	340	φ12	10	15	3.4	50	170.0	150.96	
5	4.5X4.	⑨	440	φ12	15	15	4.4	44	193.6	171.92	343.84
		⑩	440	φ12	15	15	4.4	44	193.6	171.92	
6	4.5X4	⑪	440	φ12	15	10	4.4	40	176.0	156.29	308.67
		⑫	390	φ12	15	10	3.9	44	171.6	152.38	
7	4.5X3.	⑬	440	φ12	15	15	4.4	34	149.6	132.84	265.68
		⑭	340	φ12	15	15	3.4	44	149.6	132.84	

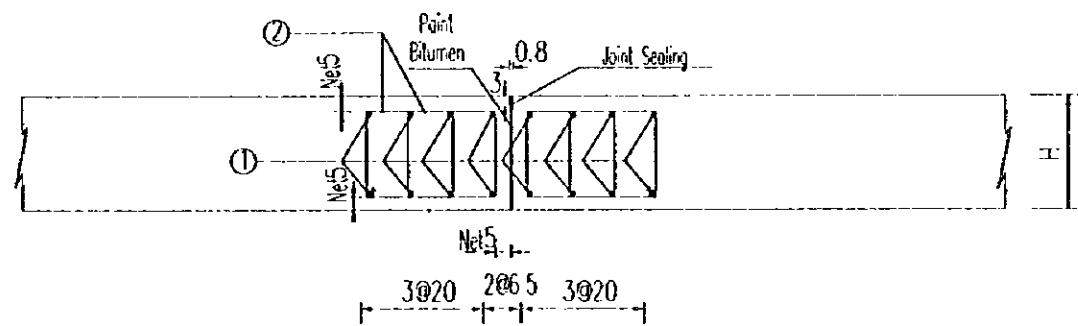
NOTE

1. Unit is centimeter except mentioned.
2. Location of steel reinforcement is shown in "DWG1-P11".

PEOPLE'S REPUBLIC OF CHINA		
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997	
REINFORCEMENT STANDARD FOR CONCRETE SLAB		
SCALE	NO SCALE	DWG1-P7
JAPAN INTERNATIONAL COOPERATION AGENCY		



REINFORCE ARRANGEMENT PLAN



I—I SECTION

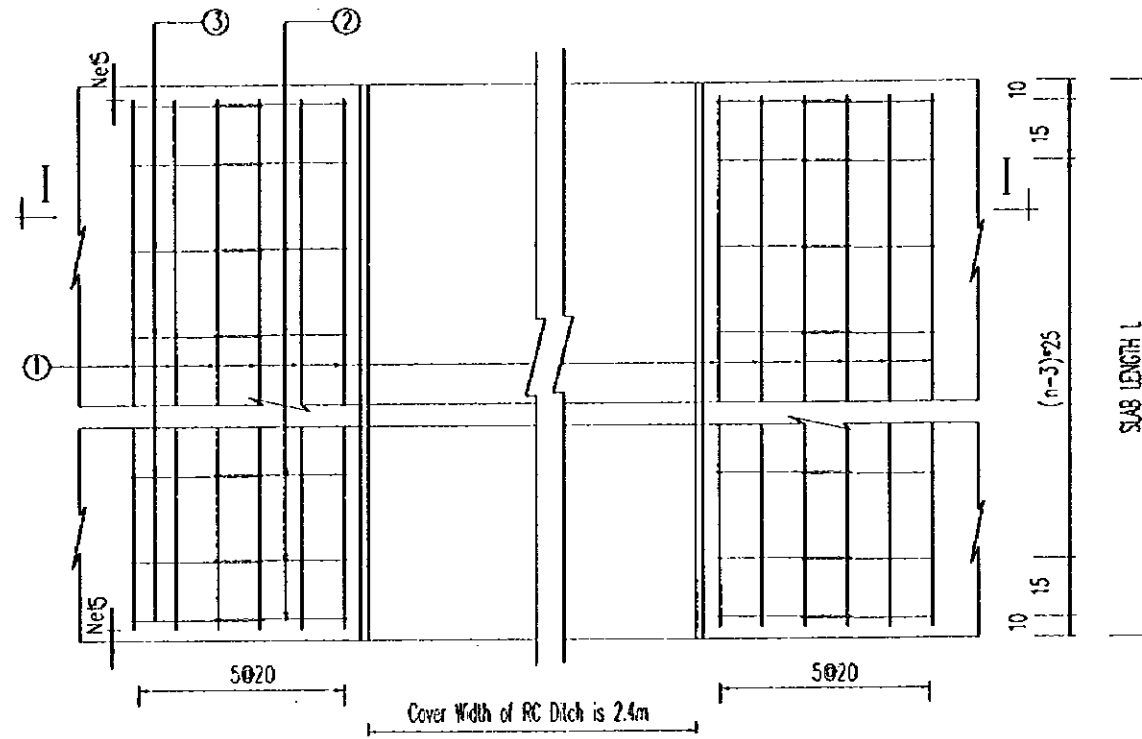
BENDING SCHEDULE

TRIE	SLAB LENGTH (L) (m)	THICKNESS H (cm)	No.	SHAPE (cm)	DIAMETER (mm)	LENGTH (m)	NoS n	TOTAL LENGTH (m)	WEIGHT (kg)
1	32	32	①	490	φ16	4.9	8	39.2	61.86
			②	22 43	φ8	1.40	42	58.80	23.23
2	35	35	①	490	φ16	4.9	8	39.2	61.86
			②	25 43	φ8	1.46	42	61.32	24.22
3	37	37	①	490	φ16	4.9	8	39.2	61.86
			②	27 43	φ8	1.50	42	63.0	24.89
4	39	39	①	490	φ16	4.9	8	39.2	61.86
			②	29 43	φ8	1.54	42	64.68	25.55
5	42	42	①	490	φ16	4.9	8	39.2	61.86
			②	32 43	φ8	1.60	42	67.2	26.54
6	45	45	①	490	φ16	4.9	8	39.2	61.86
			②	35 43	φ8	1.66	42	69.72	27.54
7	37	37	①	440	φ16	4.4	8	35.2	55.55
			②	27 43	φ8	1.50	38	57.00	22.52
8	45	45	①	440	φ16	4.4	8	35.2	55.55
			②	35 43	φ8	1.66	38	63.08	24.92
9	40	40	①	390	φ16	3.9	8	31.2	49.23
			②	35 43	φ8	1.66	34	56.44	22.29
10	35	35	①	340	φ16	3.4	8	27.2	42.92
			②	35 43	φ8	1.66	30	49.80	19.67

NOTE

1. Unit is centimeter except mentioned.
2. Location of steel reinforcement is shown in "DWG1-P11".

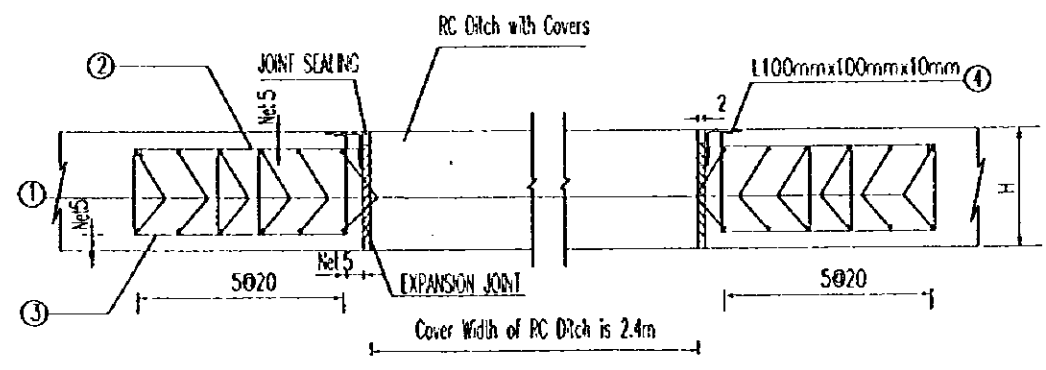
PEOPLE'S REPUBLIC OF CHINA		
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997	
PAVEMENT FLAT JOINT REINFORCEMENT DRAWING		
SCALE	NO SCALE	DWG1-P8
JAPAN INTERNATIONAL COOPERATION AGENCY		



Reinforcement Bar Arrangement Plan

Reinforcement Bar List of Each Slab

TYPE	SLAB LENGTH L (m)	NO.	SHAPE (cm)	DIAMETER (mm)	LENGTH (m)	NO'S n	TOTAL LENGTH (m)	TOTAL WEIGHT (kg)
1	4.5	①	490	φ16	4.4	12	52.8	83.32
		②		φ8	2.12	19	40.28	15.91
		③		φ8	2.06	19	39.14	15.46
		④		L100x100x10	4.5	1	4.5	68.04
2	5	①	490	φ16	4.9	12	58.8	92.79
		②		φ8	2.12	21	44.52	17.59
		③		φ8	2.06	21	43.26	17.09
		④		L100x100x10	5.0	1	5.0	75.60



I-I Section

NOTE

- Unit is centimeter except mentioned.
- Location of RC Ditch With Covers is shown in "DWG1-P11".

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
PAVEMENT SLAB REINFORCEMENT DRAWING AT RC DITCH WITH COVERS AT AIRPORT	
SCALE	NO SCALE DWG1-P9
JAPAN INTERNATIONAL COOPERATION AGENCY	

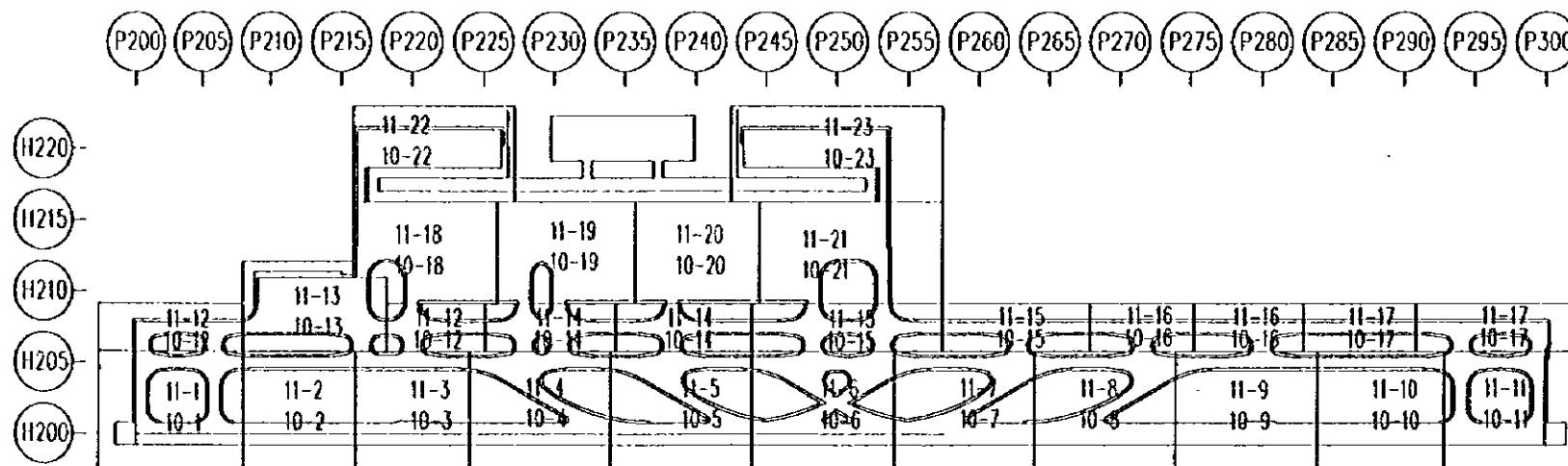
Legend :

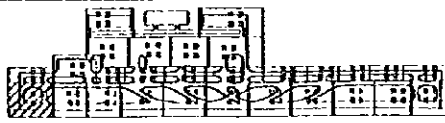
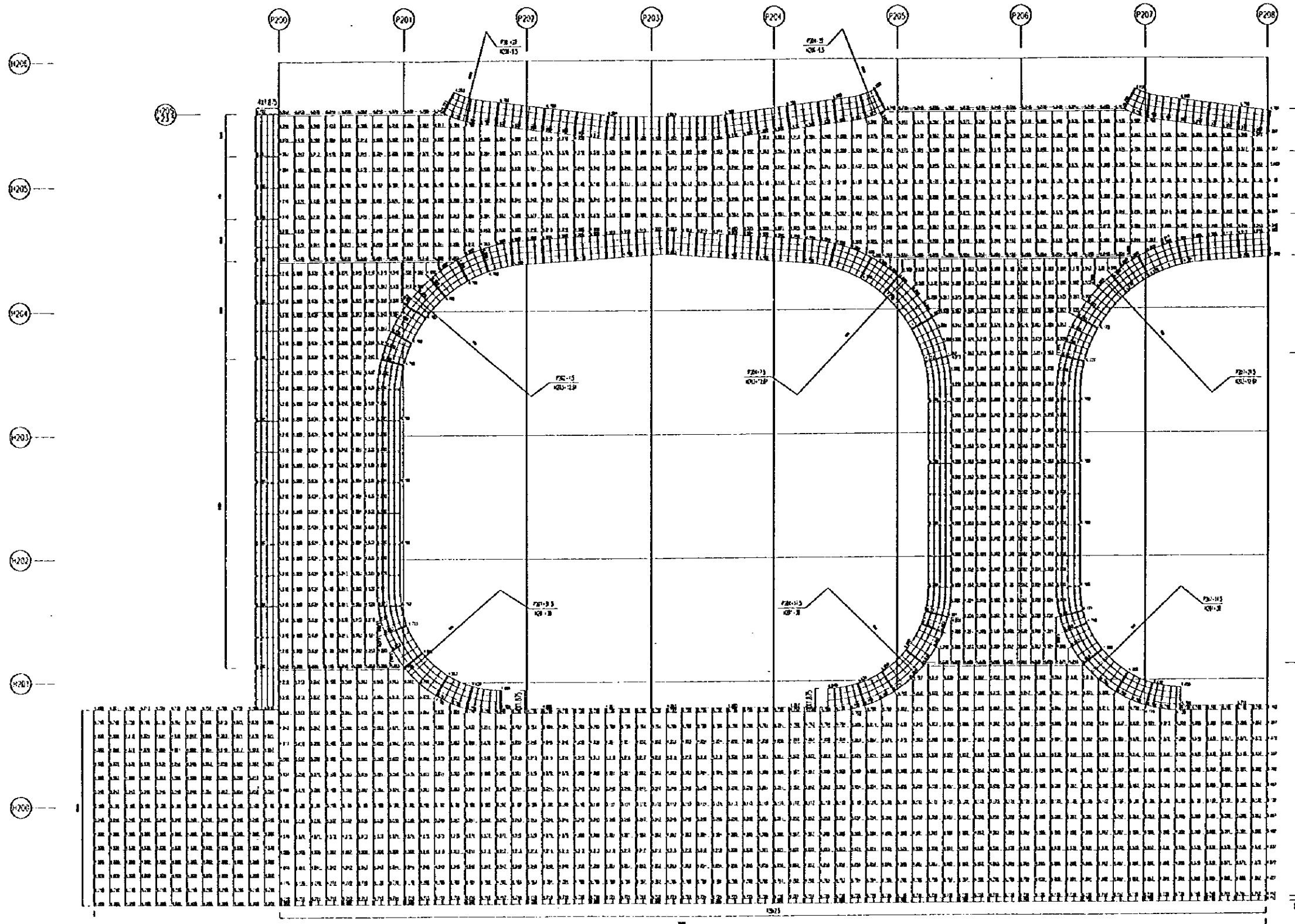
- | | | | |
|-------|---|----------|--------------------------------------|
| ————— | Pavement Flat Joint | ---XF--- | Fire Fighting Duct Crossing Pavement |
| ————— | Pavement Key Joint With No Tie Bar, Shoulder Flat Joint | ---Y--- | Fuel Pipe Crossing Pavement |
| ————— | Pavement Key Joint With Tie Bar | ---DG--- | Cable Duct Crossing Pavement |
| ----- | Pavement Dummy Joint With No Slip Bar, Shoulder Dummy Joint | ---TD--- | Communication Duct Crossing Pavement |
| ----- | Pavement Dummy Joint With Slip Bar | ---PS--- | Drainage Line Crossing Pavement |
| ===== | Shoulder Expansion Joint | ⊕ | Shoulder Light |
| ===== | Single Side Reinforcement of Flat Joint | ○ | Pavement Light Cavity |
| ===== | Double Side Reinforcement of Flat Joint | ⊗ | Earthing |
| ▨ | Reinforcement of Concrete Slab | ⊙ | Anchorage |
| ▩ | Position of Anchor Beam | ⊕ | Fueling Supply Hydrant Pit |
| ▭ | Pavement Shoulder With Precasted Block | ⊗ | Water Supply Hydrant Pit |
| | | ⊕ | Foundation of High Rod Light |

Part Quantities of Pavement Engineering

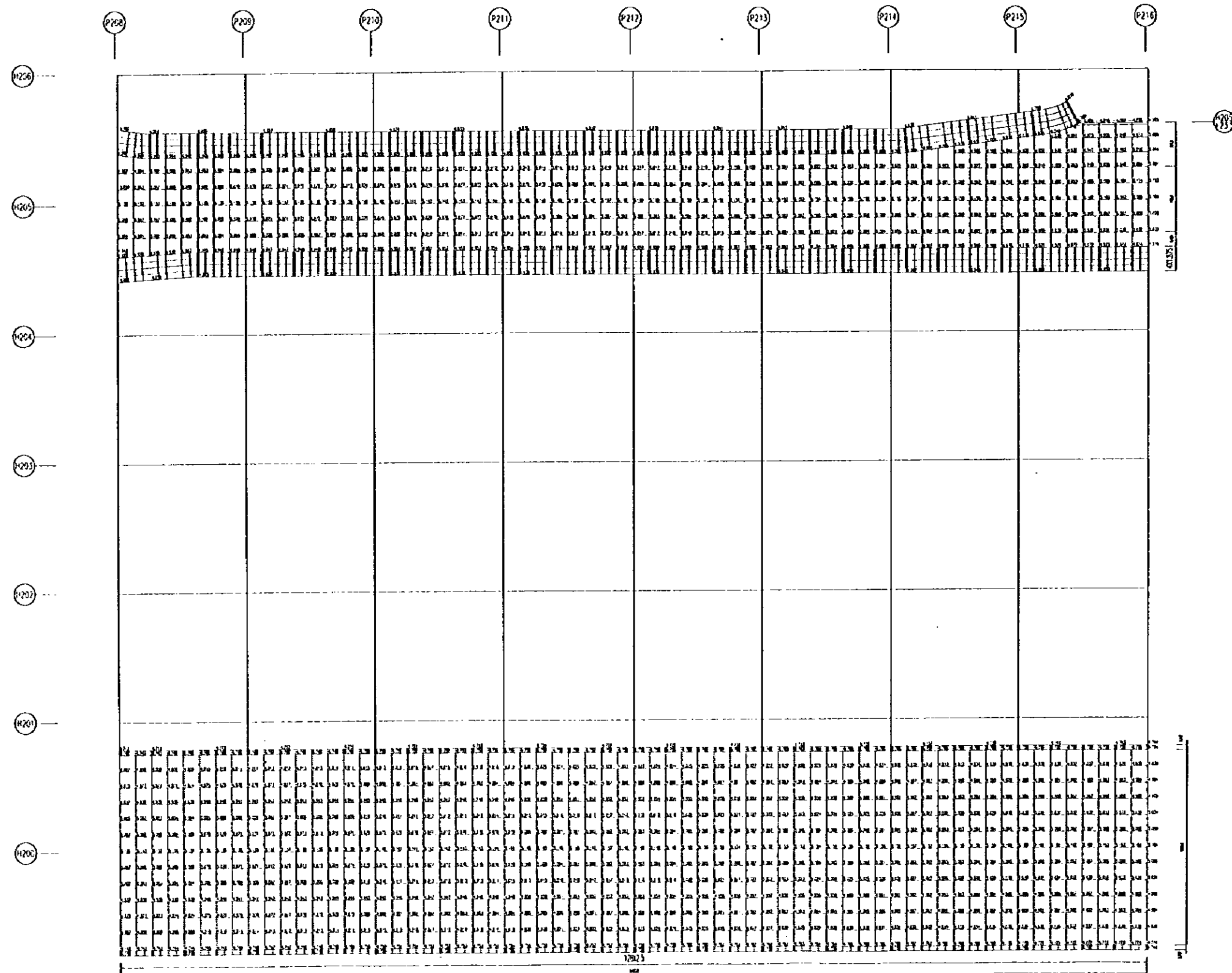
Item	Length (m)	No's of Slot	No's
Pavement	Dummy Joint With No Slip Bar	106282	
	Dummy Joint With Slip Bar	140991	
	Key Joint With No Tie Bar	123416	
	Key Joint With Tie Bar	110742	
	Flat Joint	49421	
Shoulder	Flat Joint	47275	
	Dummy Joint	84223	
	Expansion Joint	14696	
Reinforcement Slab		1134	
Pavement Light Cavity			4072
Earthing			152
Anchorage			24
Fueling Supply Hydrant Pit			84
Water Supply Hydrant Pit			84
Anchor Beam	708		
Reinforcement Slab Beside Drainage Ditch At Apron	2990		
Single Side Reinforcement of Flat Joint	9046		

KEY PLAN

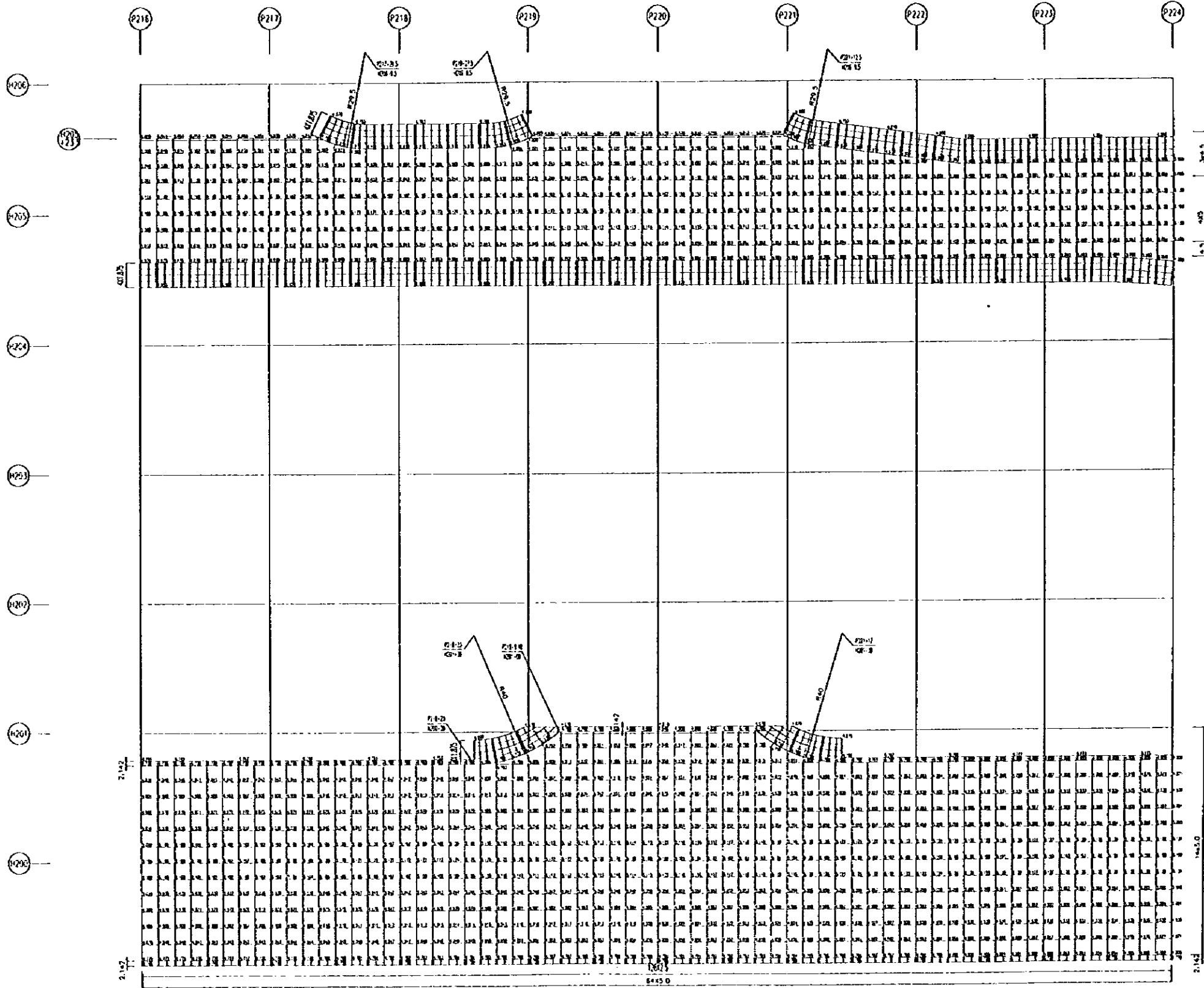




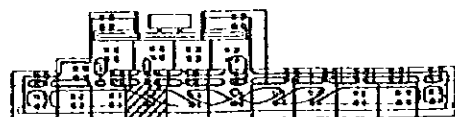
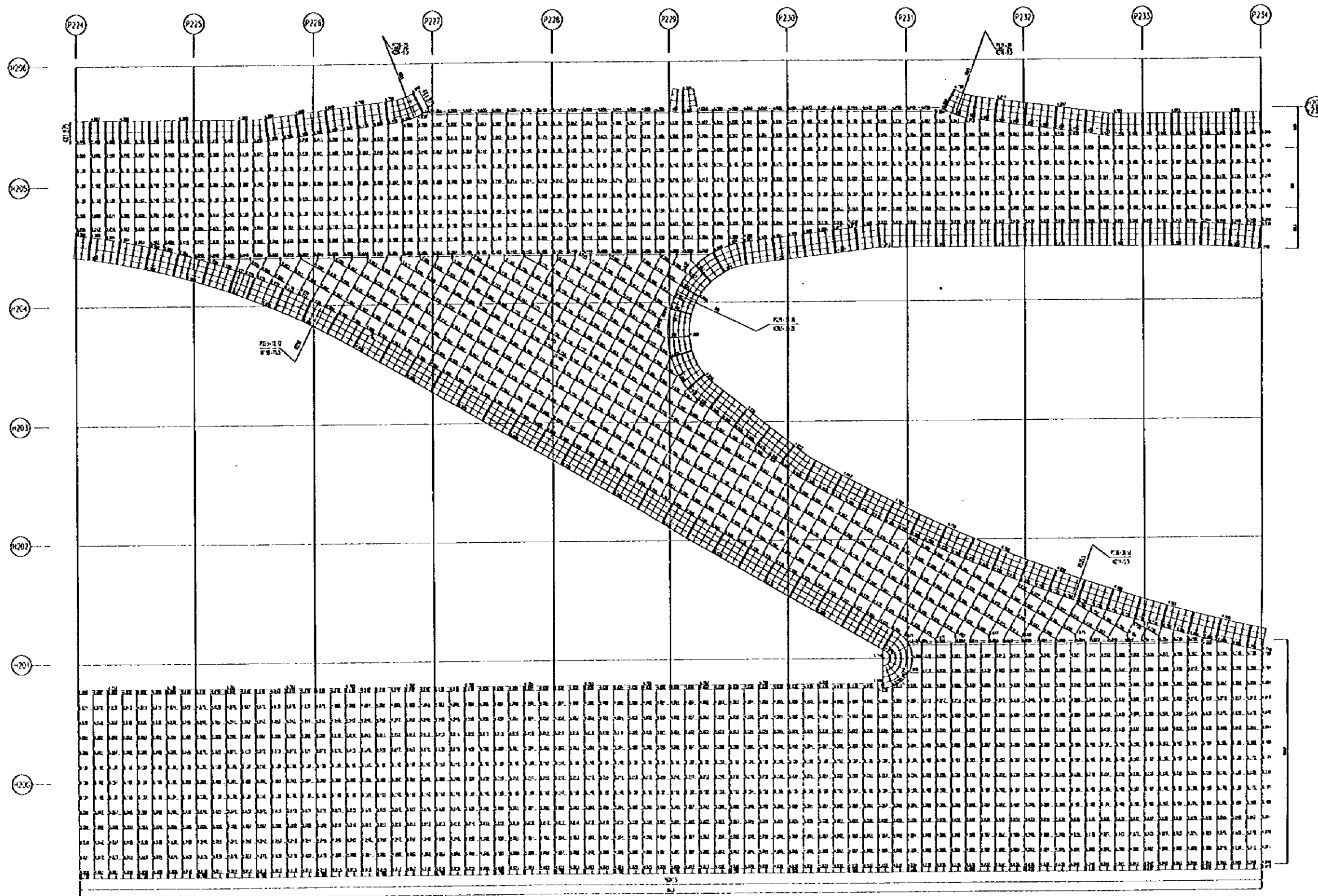
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
PLANNING HEIGHTS OF CONCRETE PAVEMENTS	
SCALE	1:250
DWG1-P10(1/23)	
JAPAN INTERNATIONAL COOPERATION AGENCY	



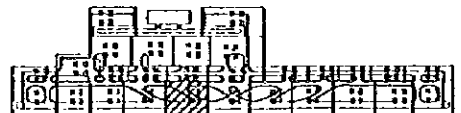
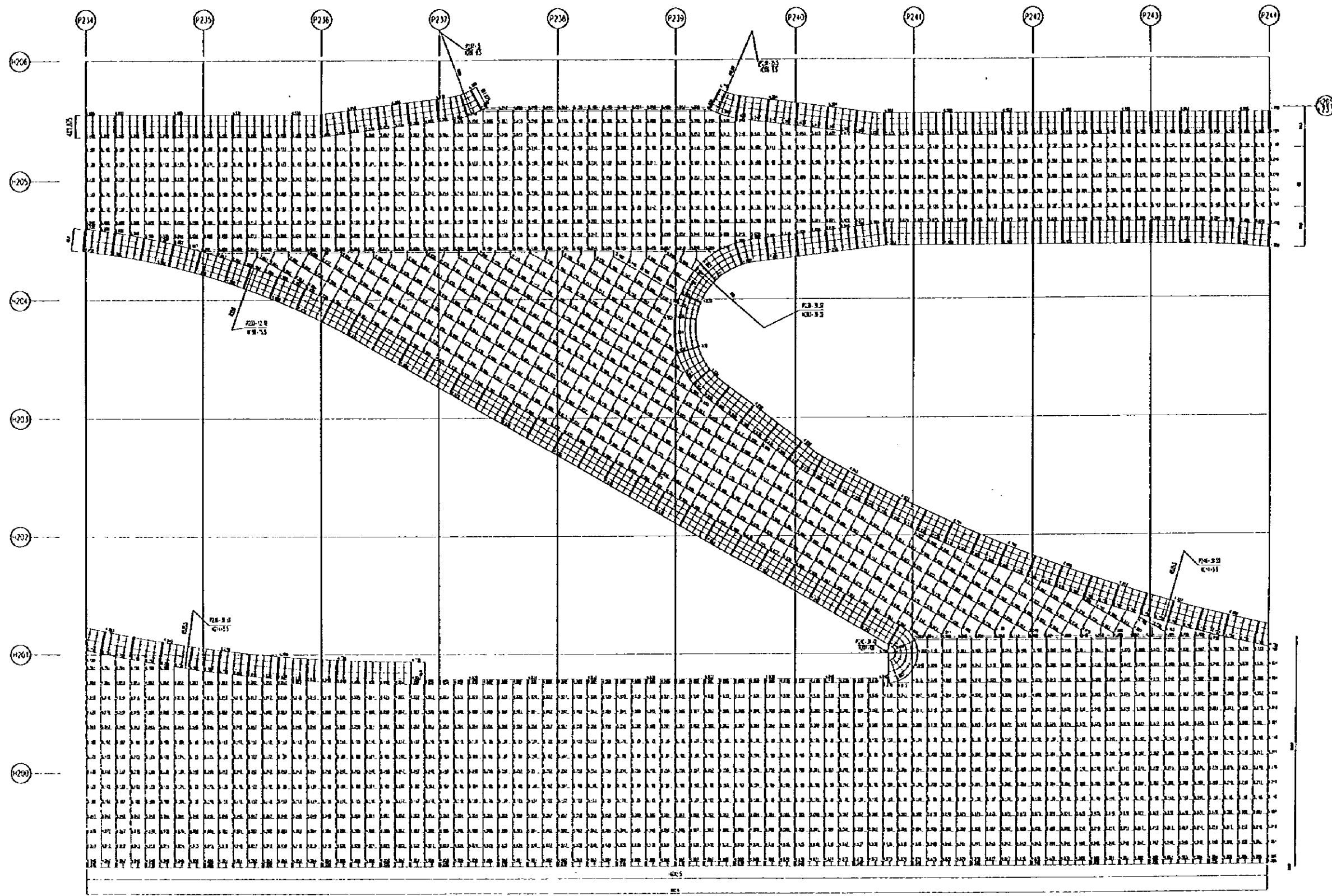
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PLANNING HEIGHTS OF CONCRETE PAVEMENTS	
SCALE	DWG1-P10(2/23)
JAPAN INTERNATIONAL COOPERATION AGENCY	



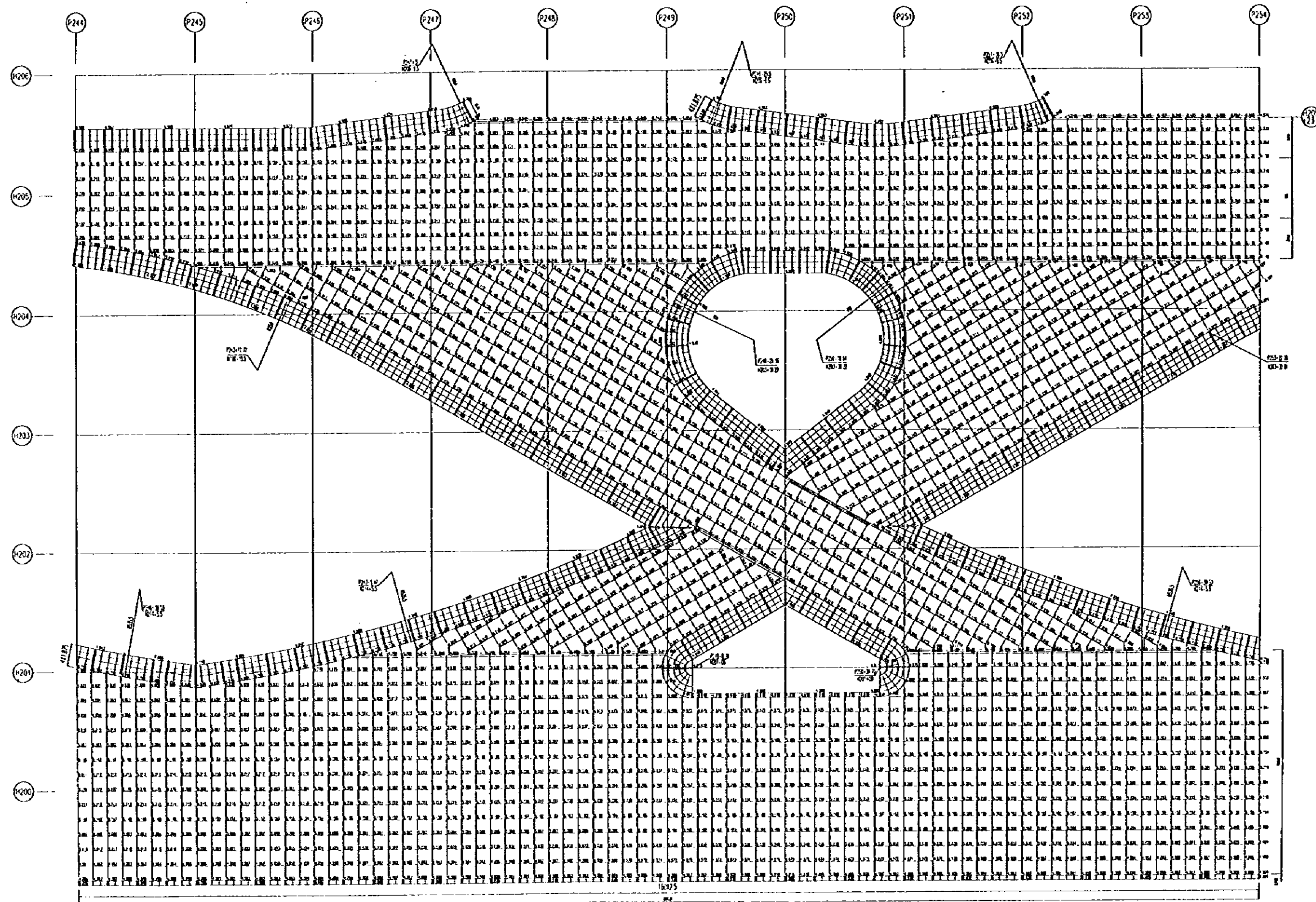
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
PLANNING HEIGHTS OF CONCRETE PAVEMENTS	
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JAPAN INTERNATIONAL COOPERATION AGENCY	



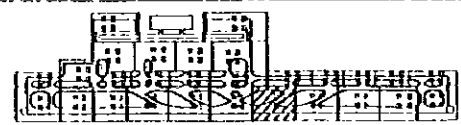
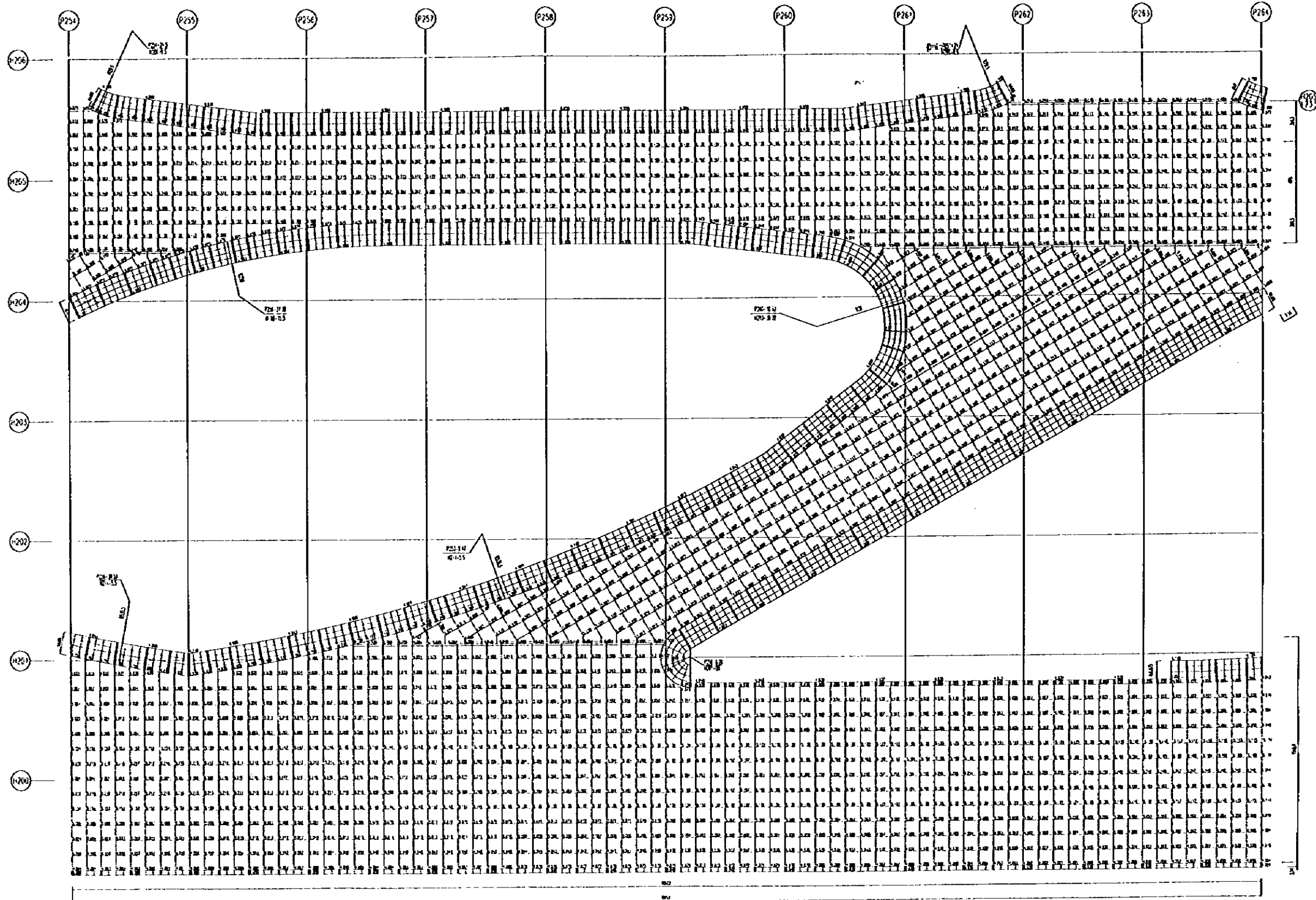
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
PLANNING HEIGHTS OF CONCRETE PAVEMENTS	
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JAPAN INTERNATIONAL COOPERATION AGENCY	



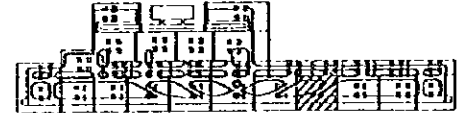
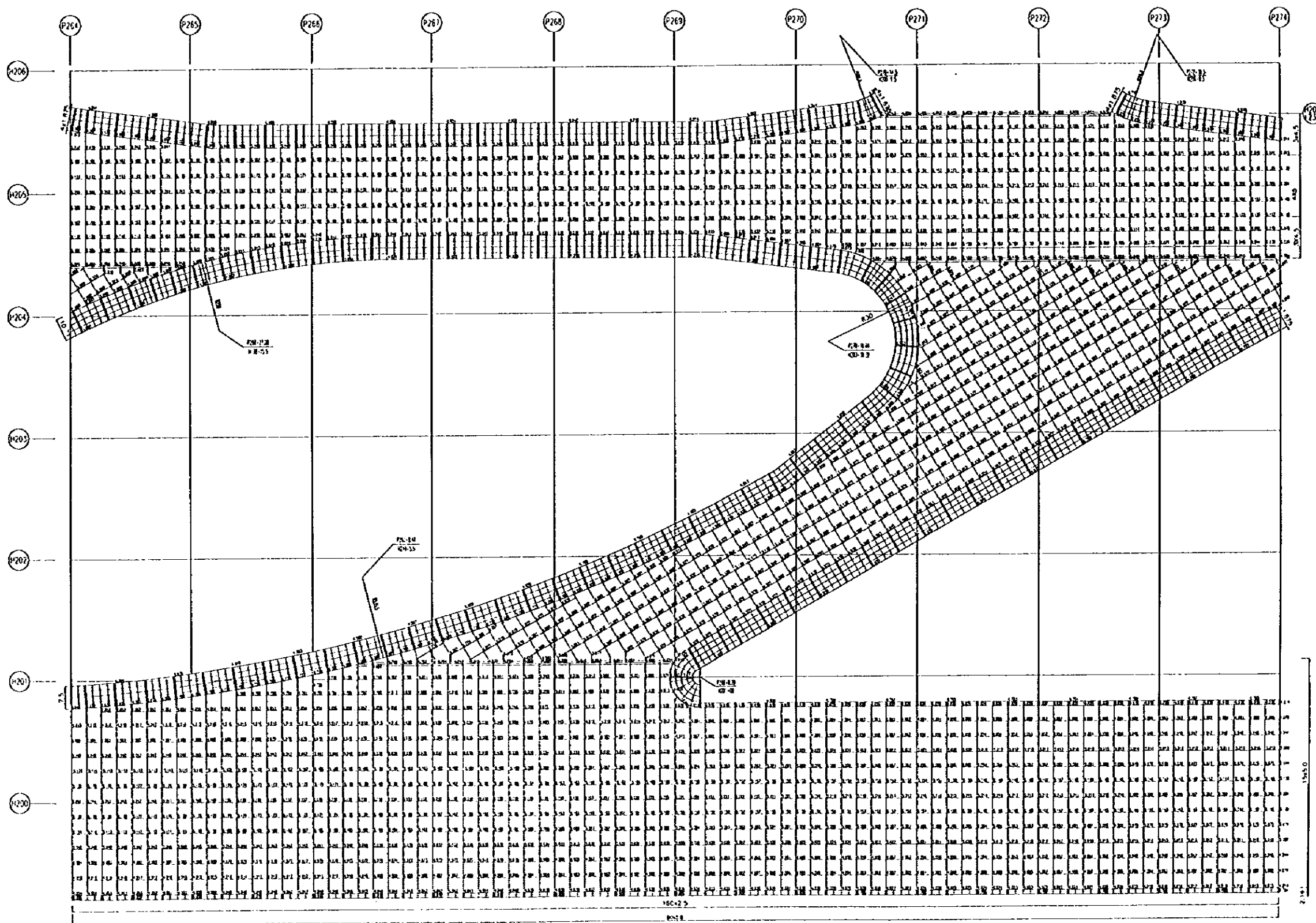
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PLANNING HEIGHTS OF CONCRETE PAVEMENTS	
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DWG1-P10(S/23)	
JAPAN INTERNATIONAL COOPERATION AGENCY	



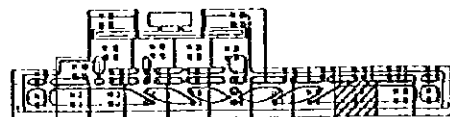
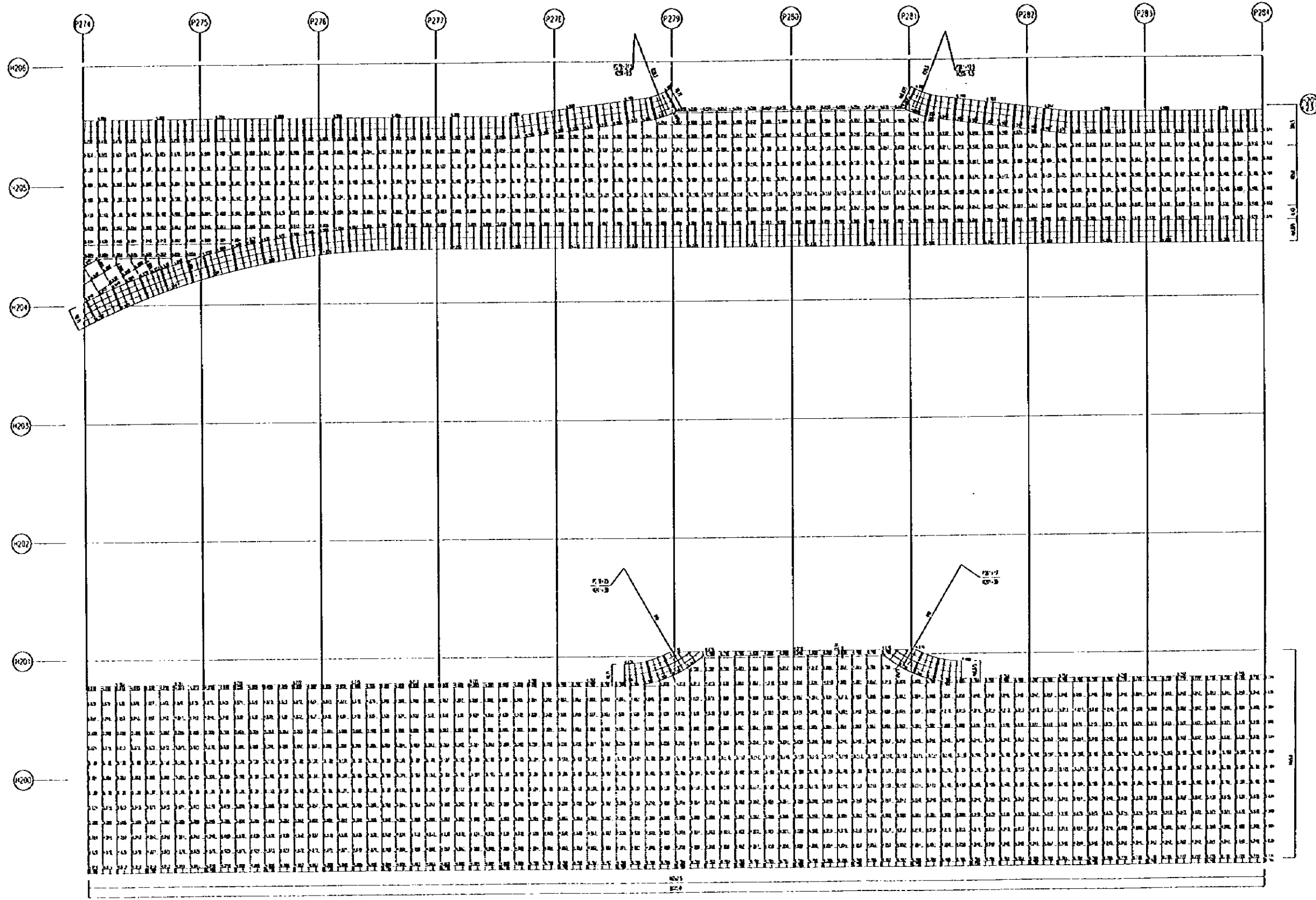
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PLANNING HEIGHTS OF CONCRETE PAVEMENTS	
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JAPAN INTERNATIONAL COOPERATION AGENCY	



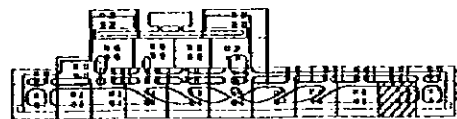
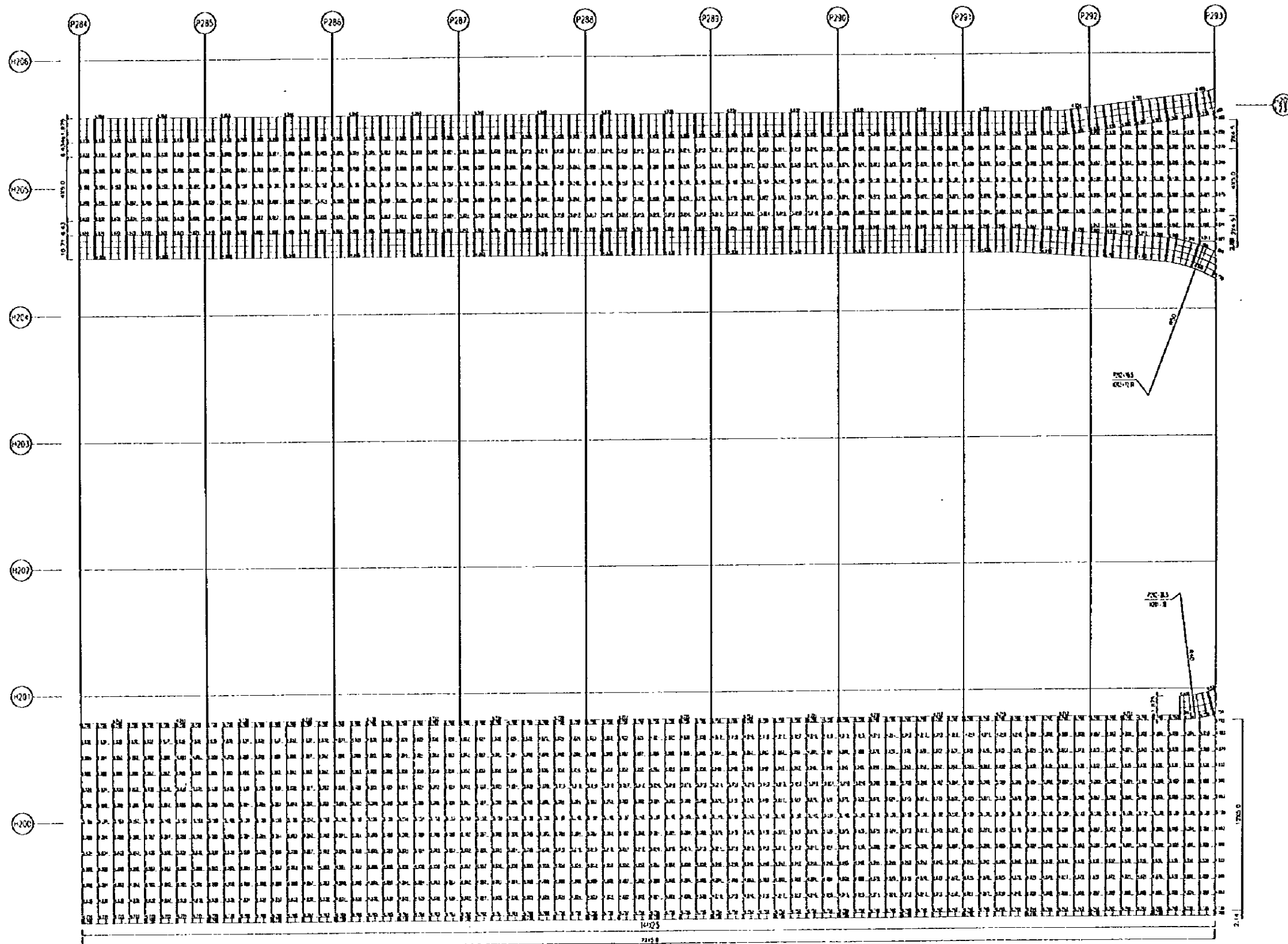
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
PLANNING HEIGHTS OF CONCRETE PAVEMENTS	
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DWG1-P10(1/23)	
JAPAN INTERNATIONAL COOPERATION AGENCY	



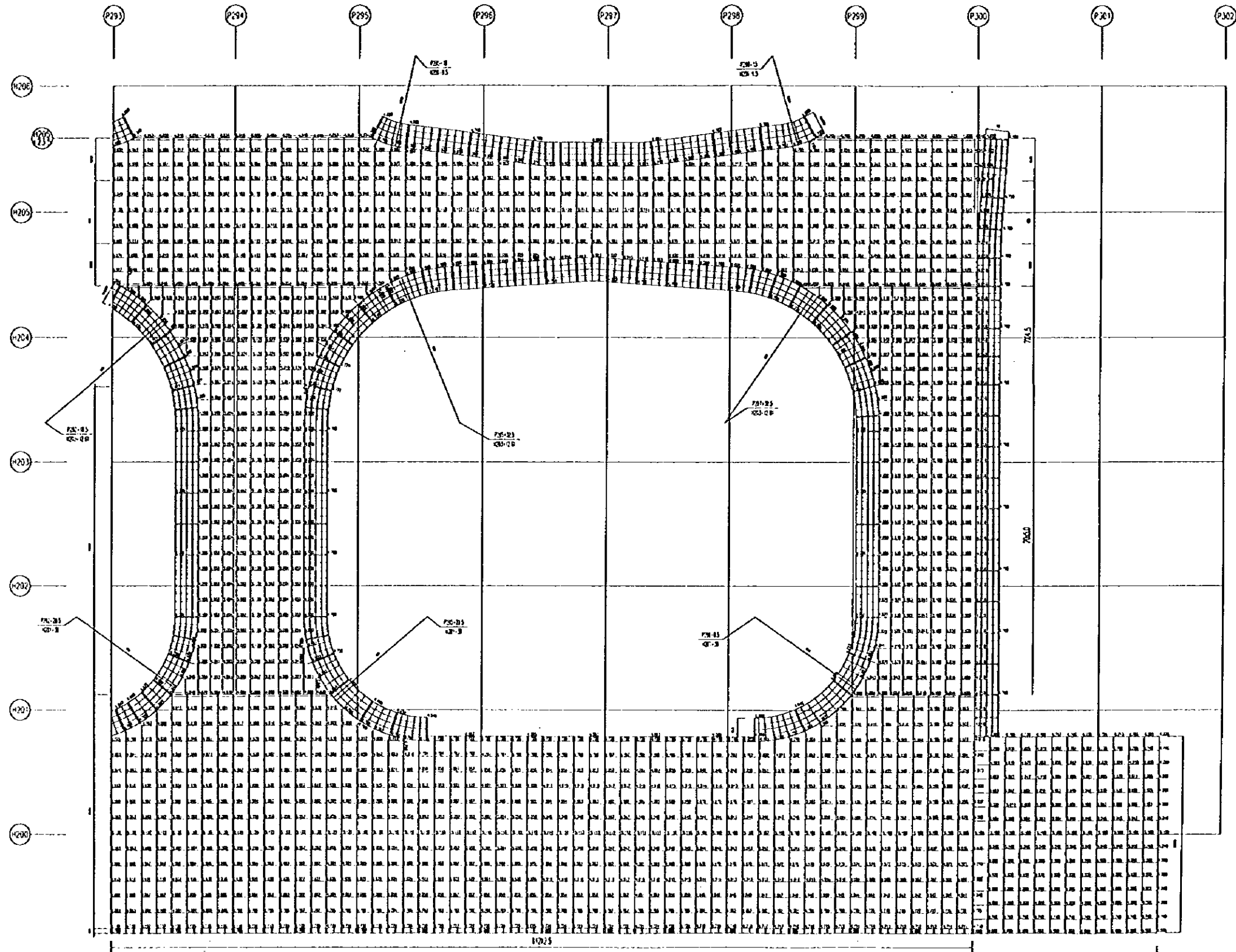
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SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
PLANNING HEIGHTS OF CONCRETE PAVEMENTS	
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JAPAN INTERNATIONAL COOPERATION AGENCY	



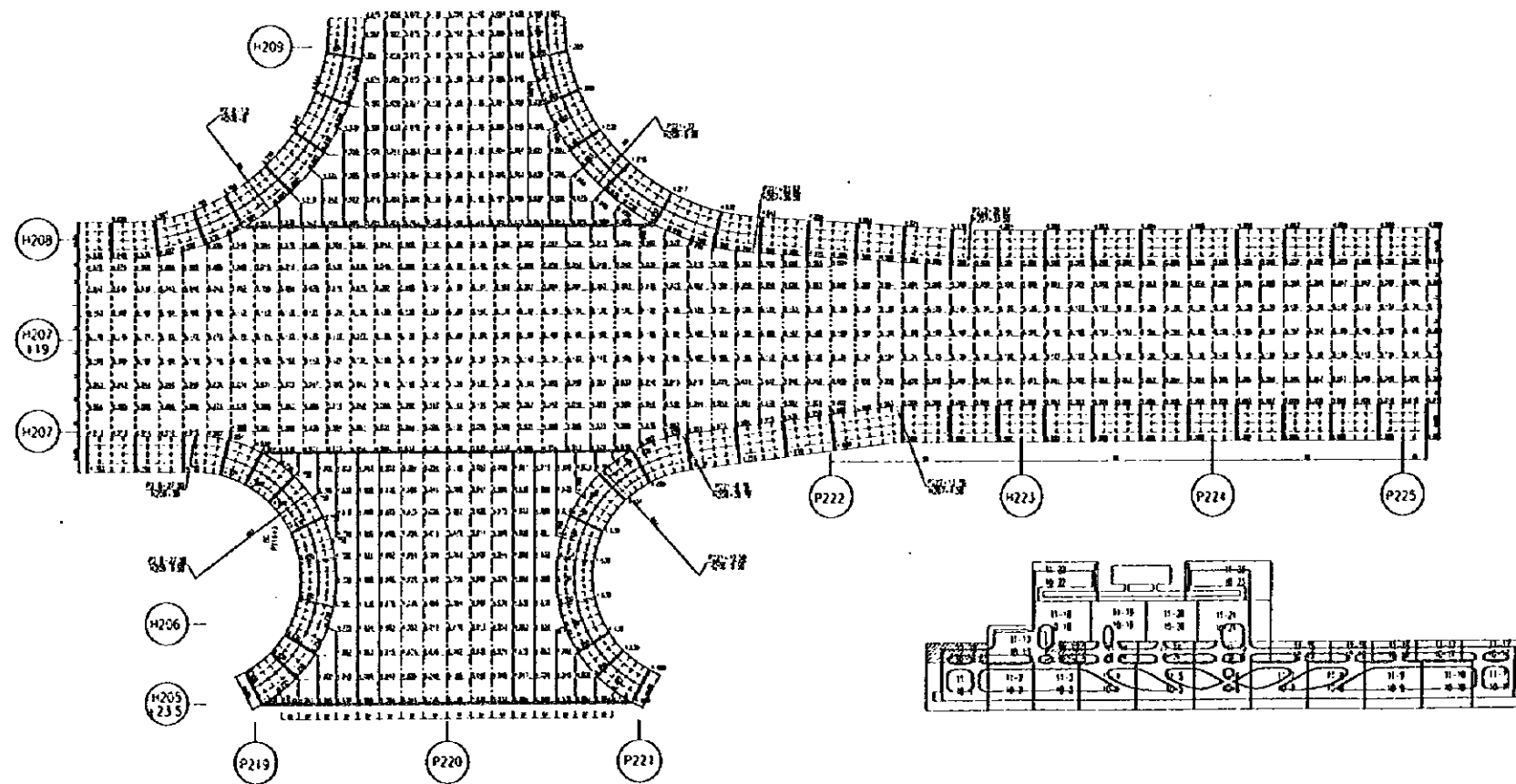
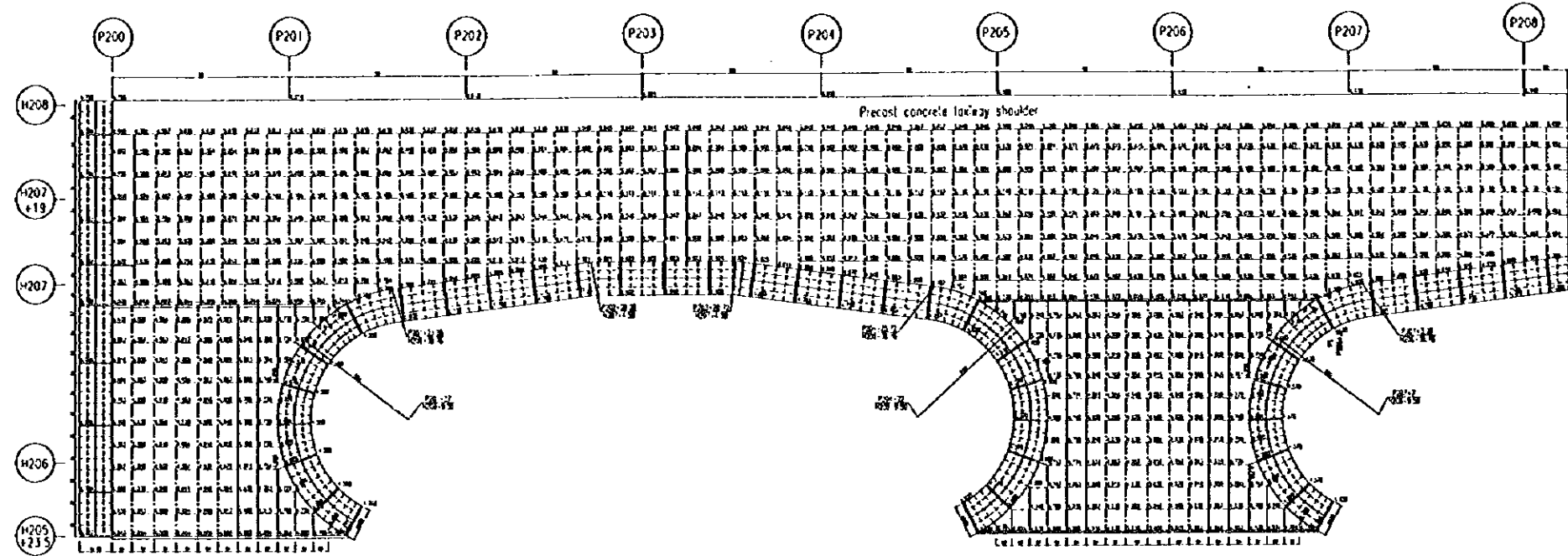
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
PLANNING HEIGHTS OF CONCRETE PAVEMENTS	
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JAPAN INTERNATIONAL COOPERATION AGENCY	



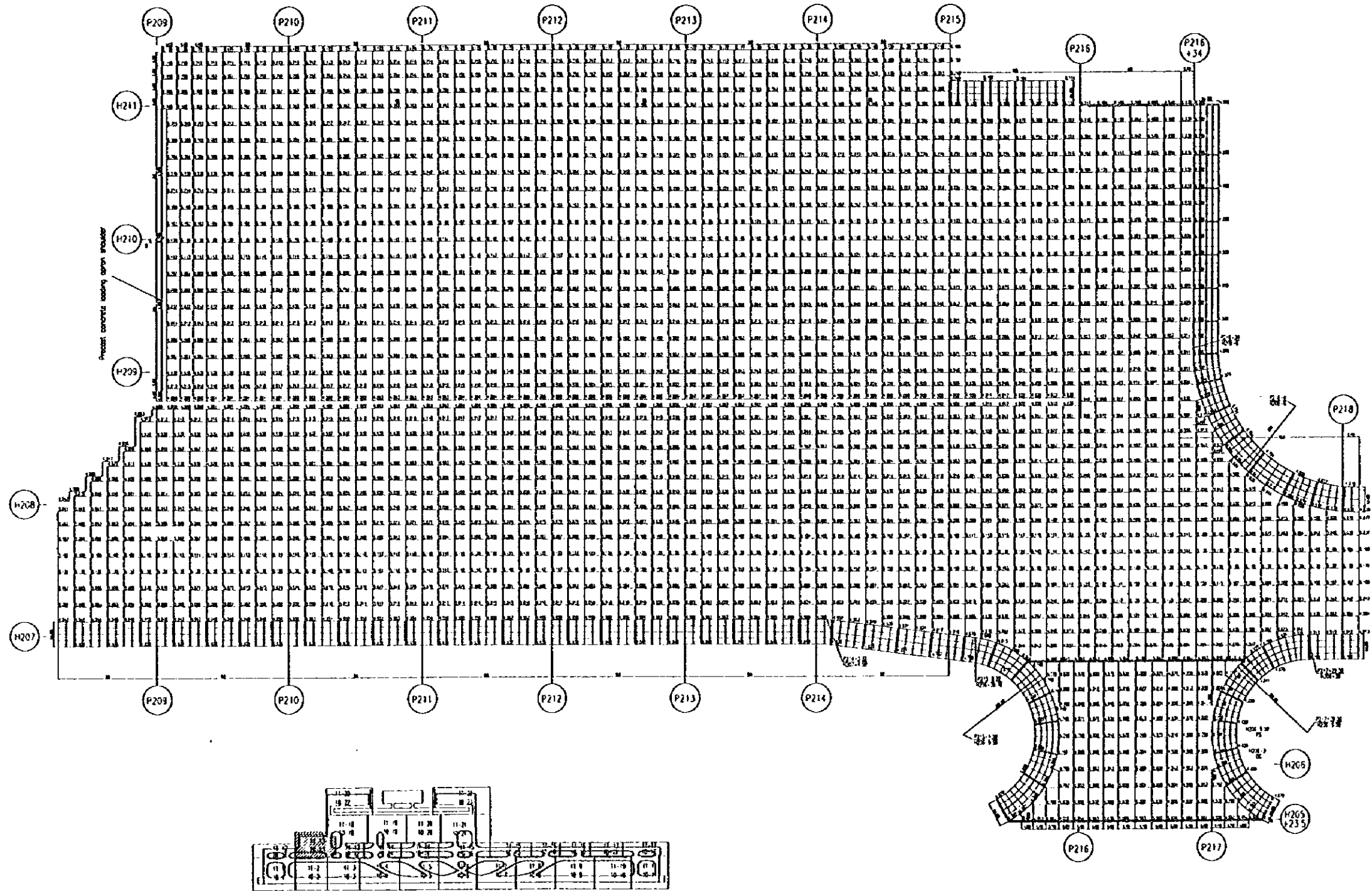
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
PLANNING HEIGHTS OF CONCRETE PAVEMENTS	
SCALE	1:1000
DWG1-P10(10/23)	
JAPAN INTERNATIONAL COOPERATION AGENCY	



PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
PLANNING HEIGHTS OF CONCRETE PAVEMENTS	
SCALE 1:100	DWG1-P10(11/23)
JAPAN INTERNATIONAL COOPERATION AGENCY	



PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
PLANNING HEIGHTS OF CONCRETE PAVEMENTS	
SCALE	1:500
DWG1-P10(12/23)	
JAPAN INTERNATIONAL COOPERATION AGENCY	



PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
PLANNING HEIGHTS OF CONCRETE PAVEMENTS	
SCALE 1:1000	DWG1-P10(13/23)
JAPAN INTERNATIONAL COOPERATION AGENCY	