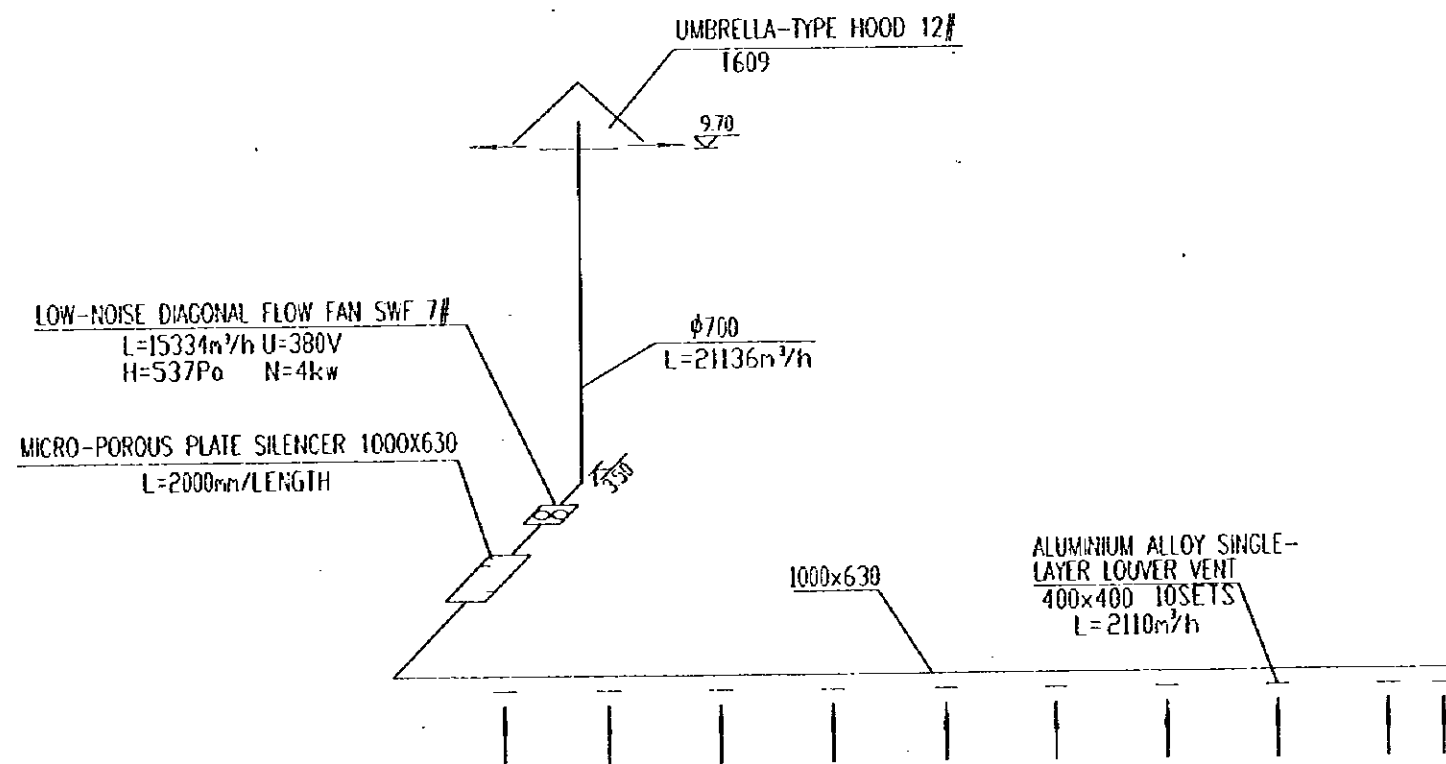
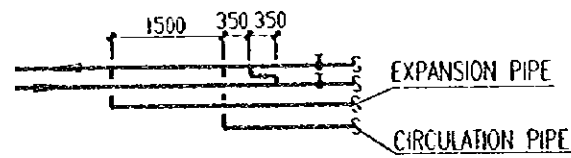
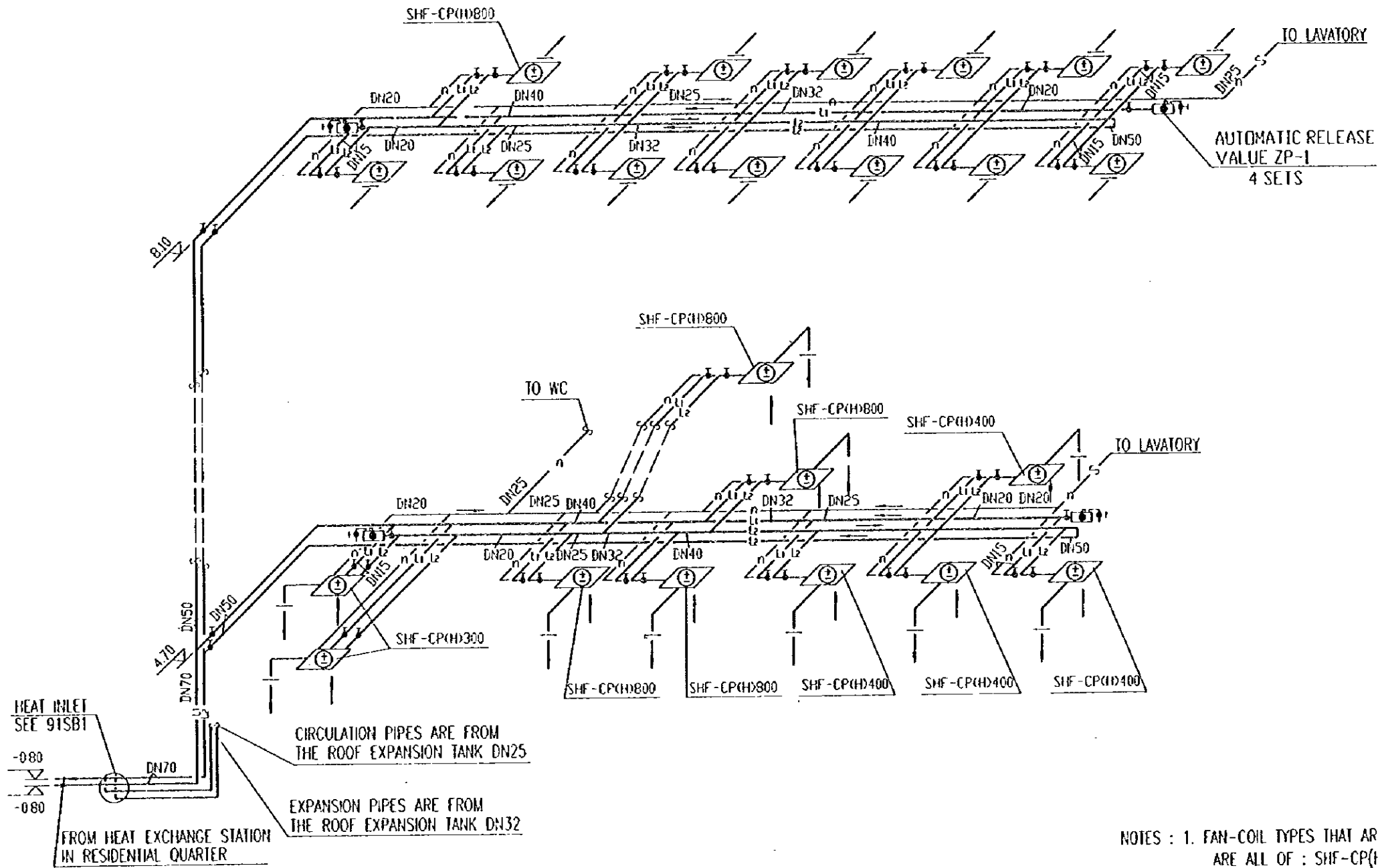


MAIN FIRE STATION P-1 SYSTEM DIAGRAM



MAIN FIRE STATION P-2 SYSTEM DIAGRAM

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUCONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
P-1 P-2 SYSTEM DIAGRAM	
SCALE 0 10 25 50	DWG 41-M5
JAPAN INTERNATIONAL COOPERATION AGENCY	

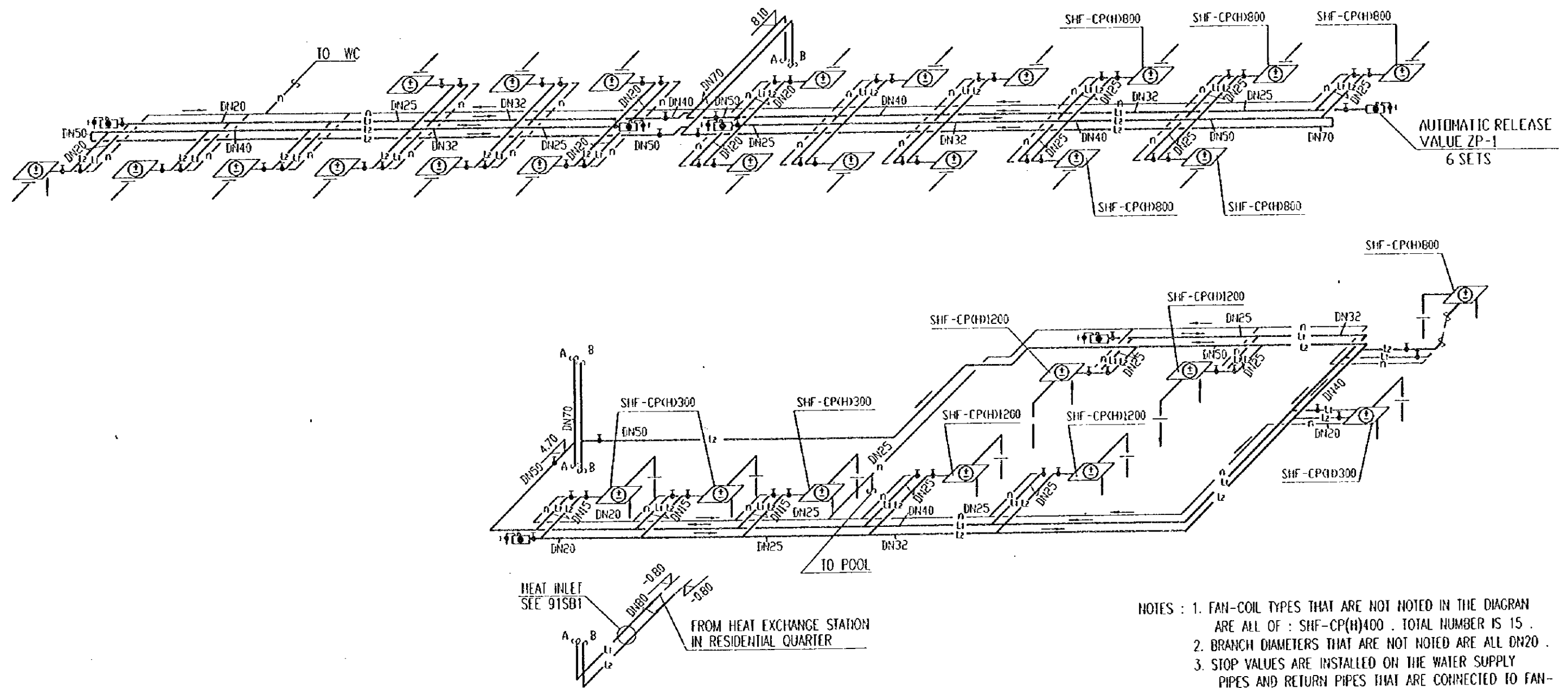


THE INSTALLATION DETAIL OF THE HEAT INLETS OF THE EXPANSION PIPE AND CIRCULATION PIPE

1:50

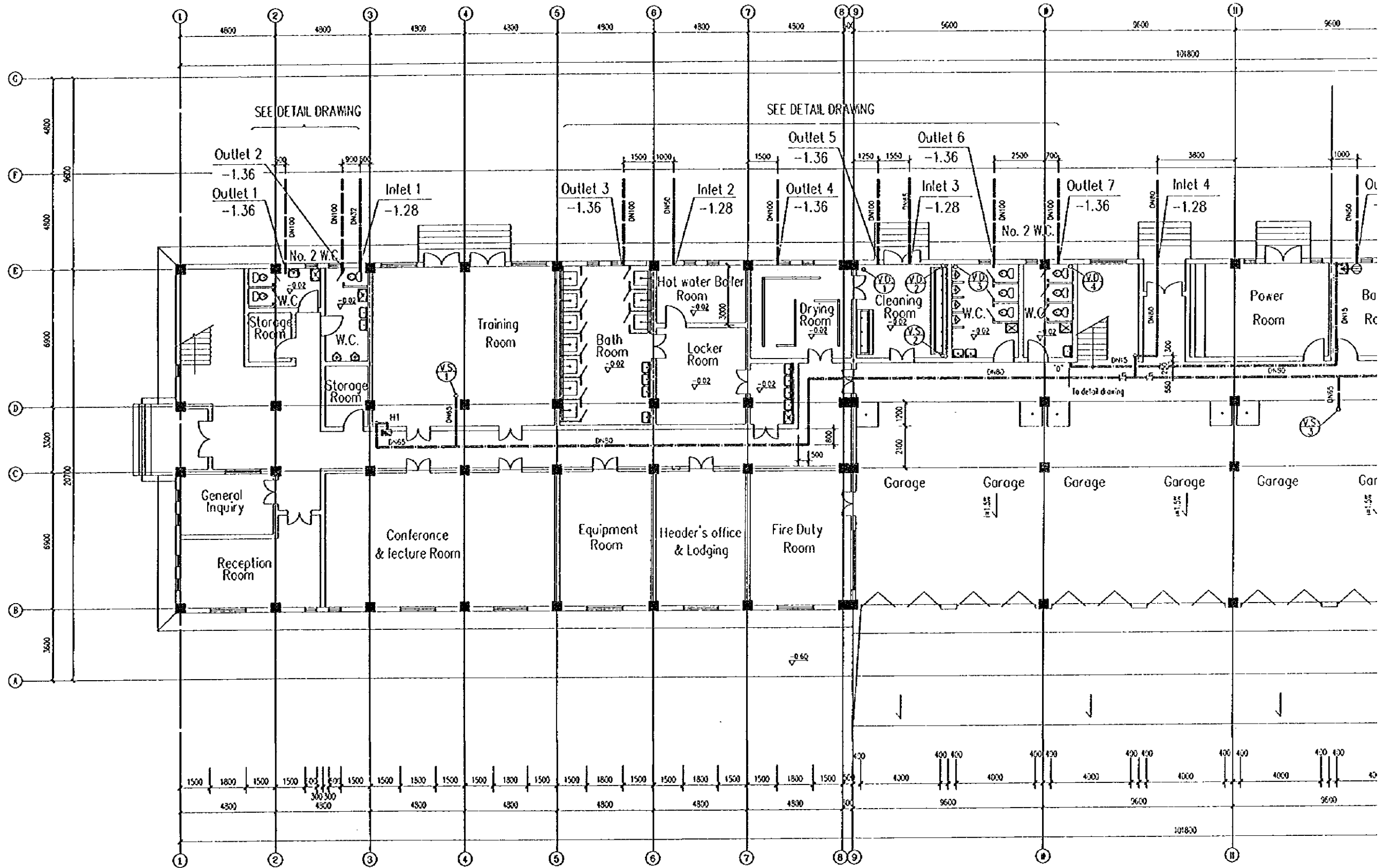
- NOTES :
1. FAN-COIL TYPES THAT ARE NOT NOTED IN THE DIAGRAM ARE ALL OF : SHF-CP(H)400 . TOTAL NUMBER IS 12 .
 2. BRANCH DIAMETERS THAT ARE NOT NOTED ARE ALL DN15 .
 3. STOP VALVES ARE INSTALLED ON THE WATER SUPPLY PIPES AND RETURN PIPES THAT ARE CONNECTED TO FAN-COILS. THE DIAMETER OF THE STOP VALUE ARE ALL DN15 .
 4. THE DIAMETERS OF THE CONDENSATION PIPES CONNECTING WITH THE FAN-COILS ARE ALL DN20 .

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
AIRCONDITION SYSTEM DIAGRAM 1/2	
SCALE 1:50	DWG 41-M7
JAPAN INTERNATIONAL COOPERATION AGENCY	



- NOTES :
1. FAN-COIL TYPES THAT ARE NOT NOTED IN THE DIAGRAM ARE ALL OF : SHF-CP(H)400 . TOTAL NUMBER IS 15 .
 2. BRANCH DIAMETERS THAT ARE NOT NOTED ARE ALL DN20 .
 3. STOP VALVES ARE INSTALLED ON THE WATER SUPPLY PIPES AND RETURN PIPES THAT ARE CONNECTED TO FAN-COILS. THE DIAMETER OF THE STOP VALVE IS IDENTICAL WITH THE PIPE IT CONNECTS WITH .
 4. THE DIAMETERS OF THE CONDENSATION PIPES CONNECTING WITH THE FAN-COILS ARE ALL DN20 .

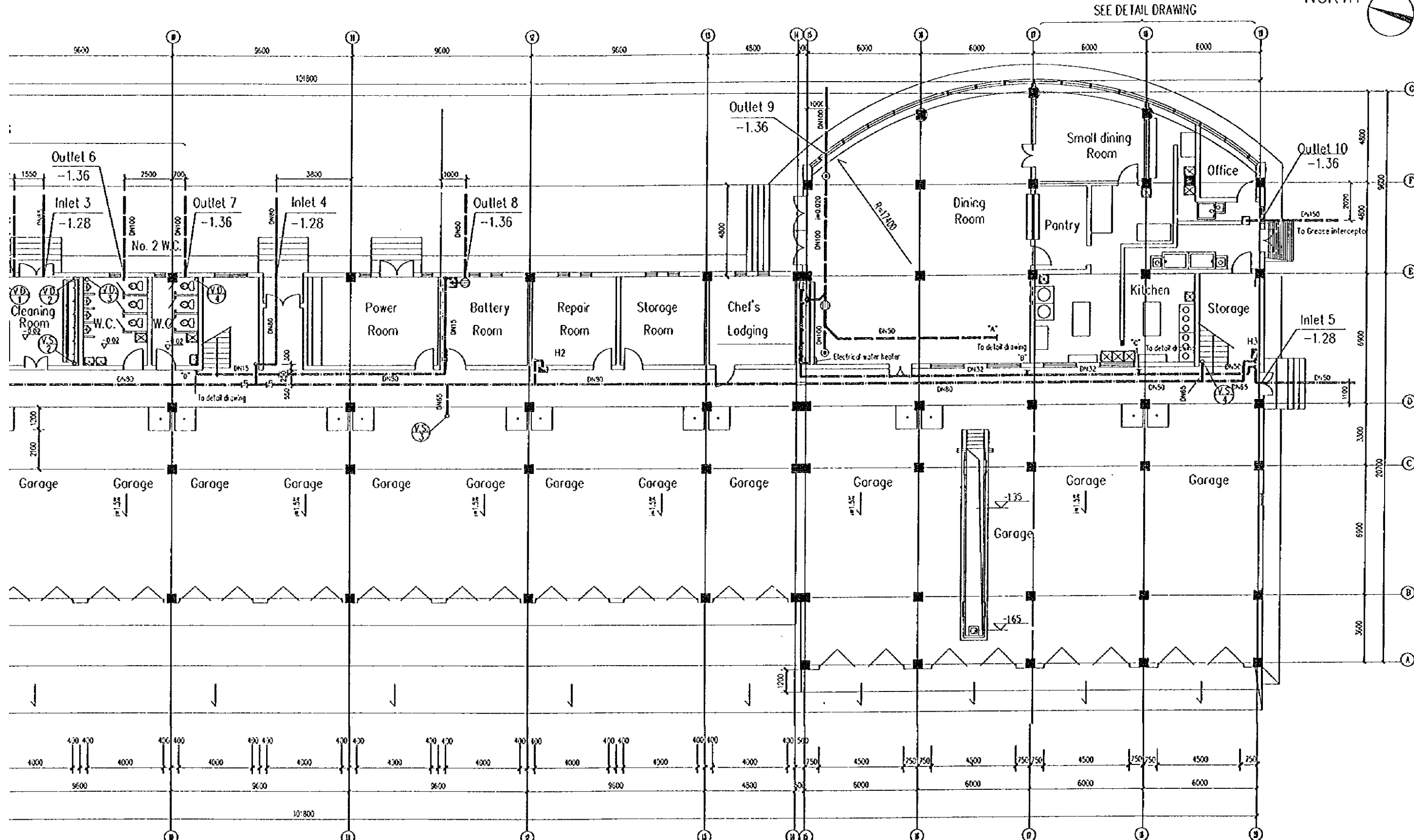
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
AIRCONDITION SYSTEM DIAGRAM 2/2	
SCALE	DWG 41-M8
JAPAN INTERNATIONAL COOPERATION AGENCY	



Legend :

- | | | | | |
|---------------------|---------------|-----------------------|---------------------------------|---|
| — Water Supply Pipe | ⊥ Globe | — Metal flexible Pipe | ⊕ Cleanout | ⊕ Vertical Water Supply Pipe Passing Through Floors |
| — Drainage Pipe | ⊥ Water Tap | ⊥ Trap | ⊕ Flange Plug | ⊕ Vertical Drainage Pipe Passing Through Floors |
| — Hot Water Pipe | H Gate Valve | ⊥ Vent coil | ⊕ Hydrant | |
| ⊕ Butterfly Valve | ⊕ Check Valve | ⊕ Floor Drain | ⊕ Float Valve | |
| ⊕ Ball Valve | ⊕ Shower | ⊕ Checkhole | ⊕ Automatic Gas Discharge Valve | |

1st FLOOR PLAN WATER S



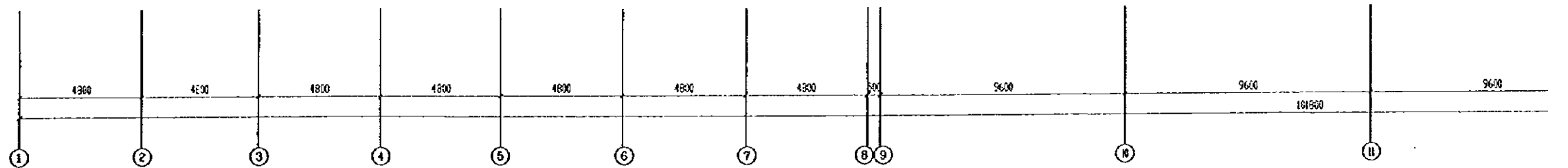
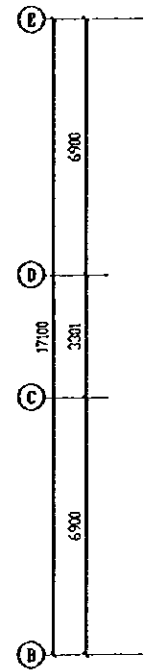
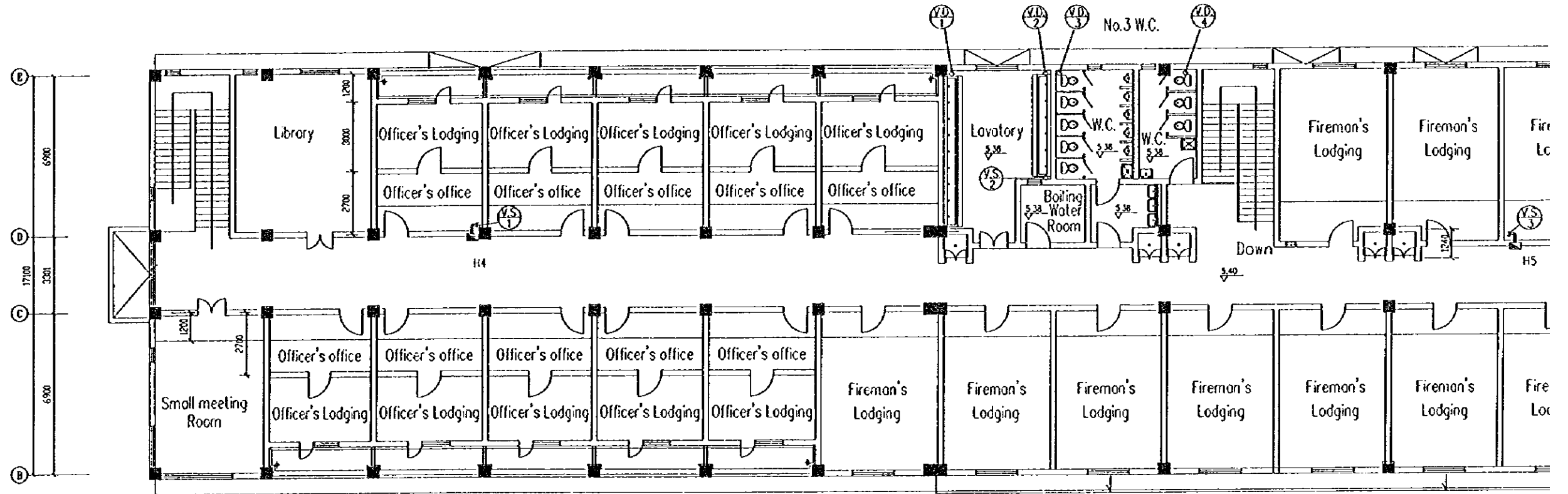
4y Pipe
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1st FLOOR PLAN WATER SUPPLY AND DRAINAGE, FIRE HYDRANT

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
1st FLOOR PLAN WATER SUPPLY AND DRAINAGE, FIRE HYDRANT	
SCALE	DWG 41-MP1
JAPAN INTERNATIONAL COOPERATION AGENCY	

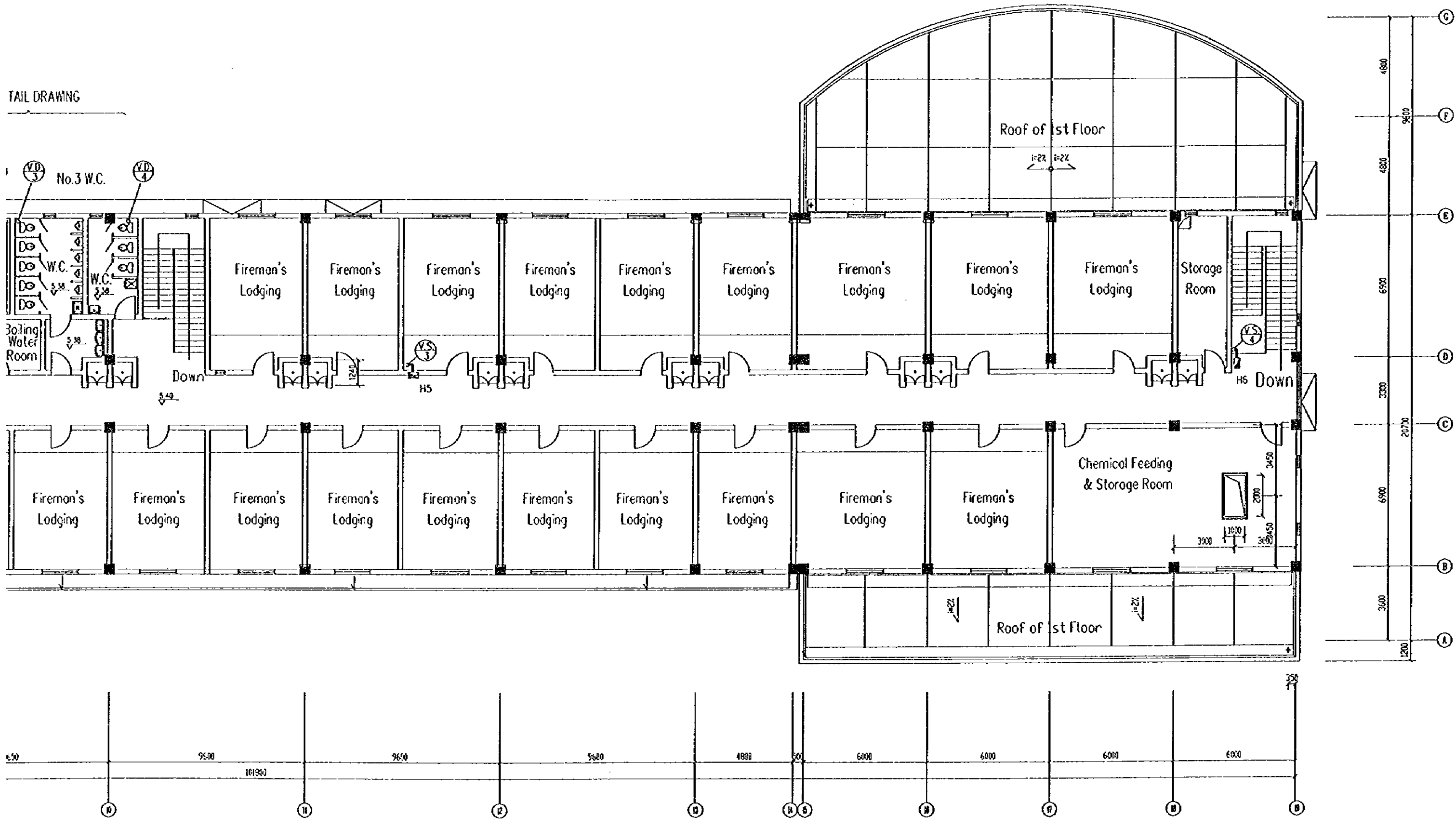


SEE DETAIL DRAWING



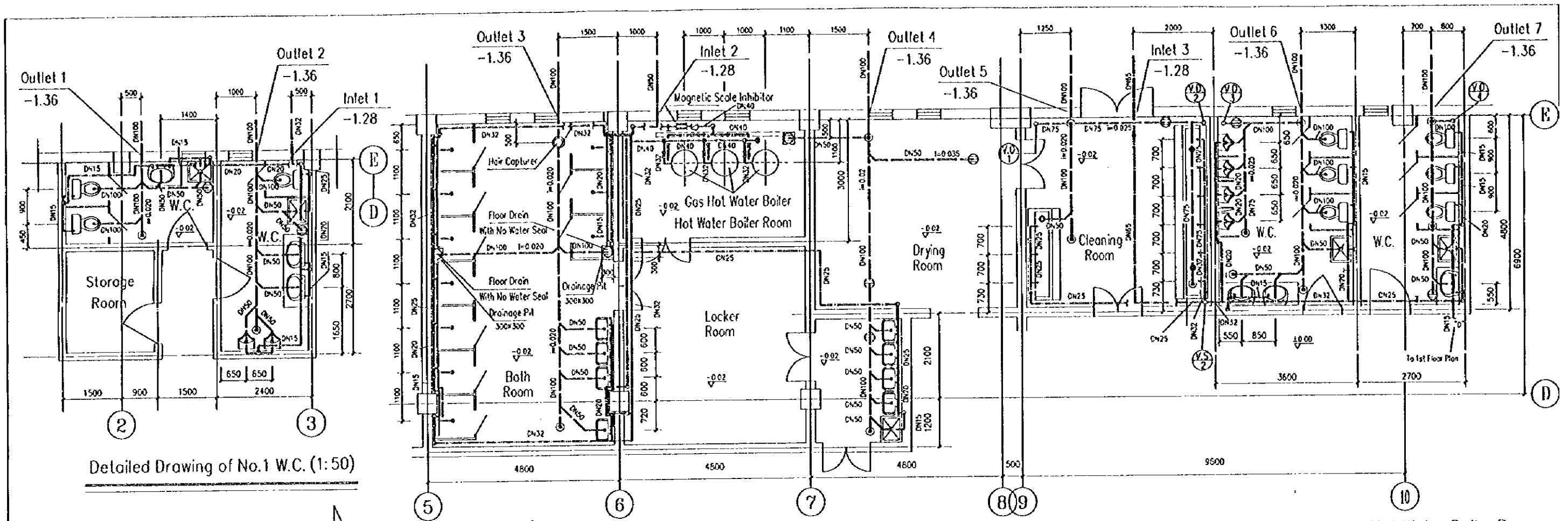
2nd FLOOR PLAN

TAIL DRAWING



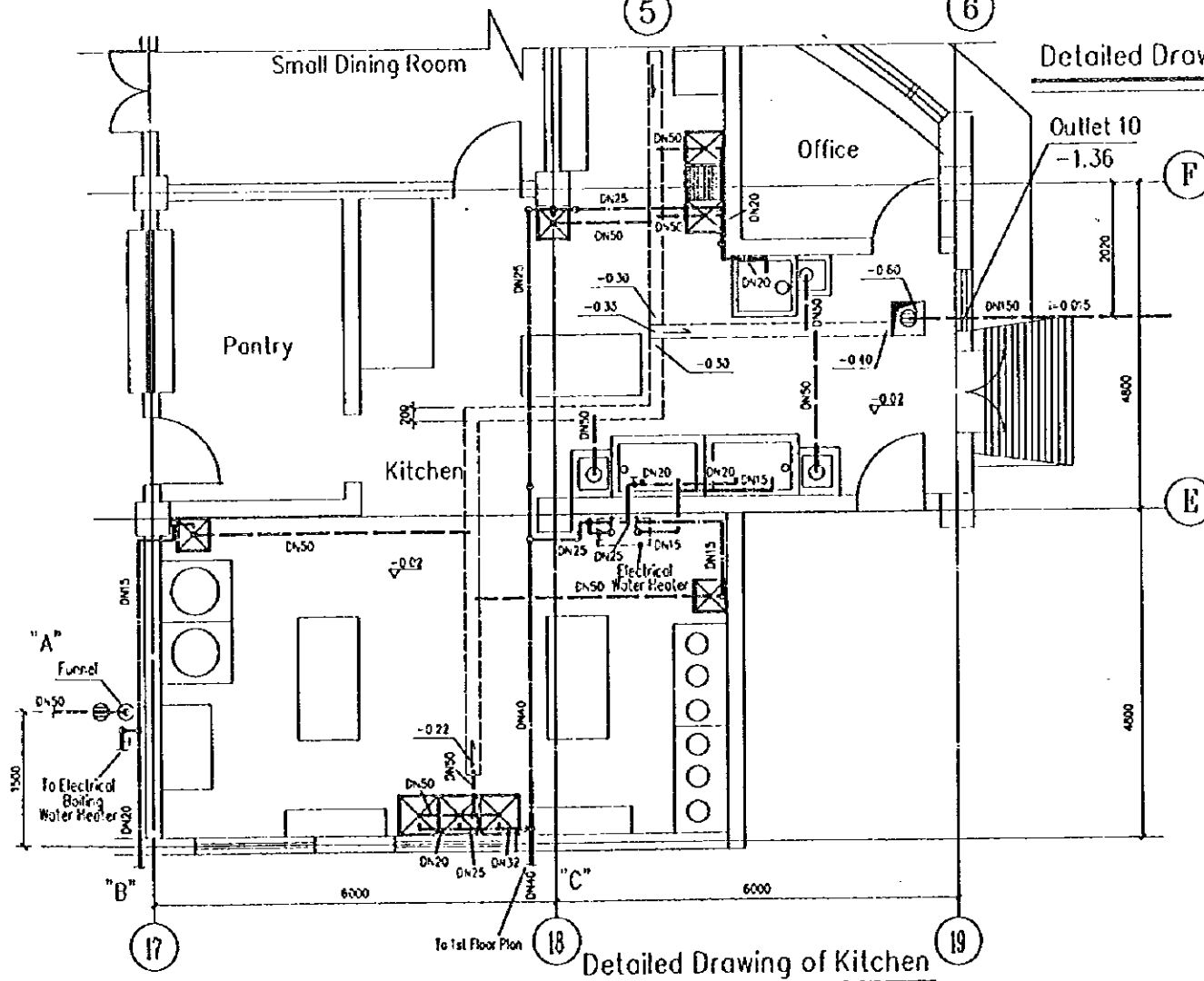
2nd FLOOR PLAN

PEOPLE'S REPUBLIC OF CHINA	
SHANSHI PUJING INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
2nd FLOOR PLAN WATER SUPPLY AND DRAINAGE, FIRE HYDRANT	
SCALE 1:300	DWG 41-MP2
JAPAN INTERNATIONAL COOPERATION AGENCY	

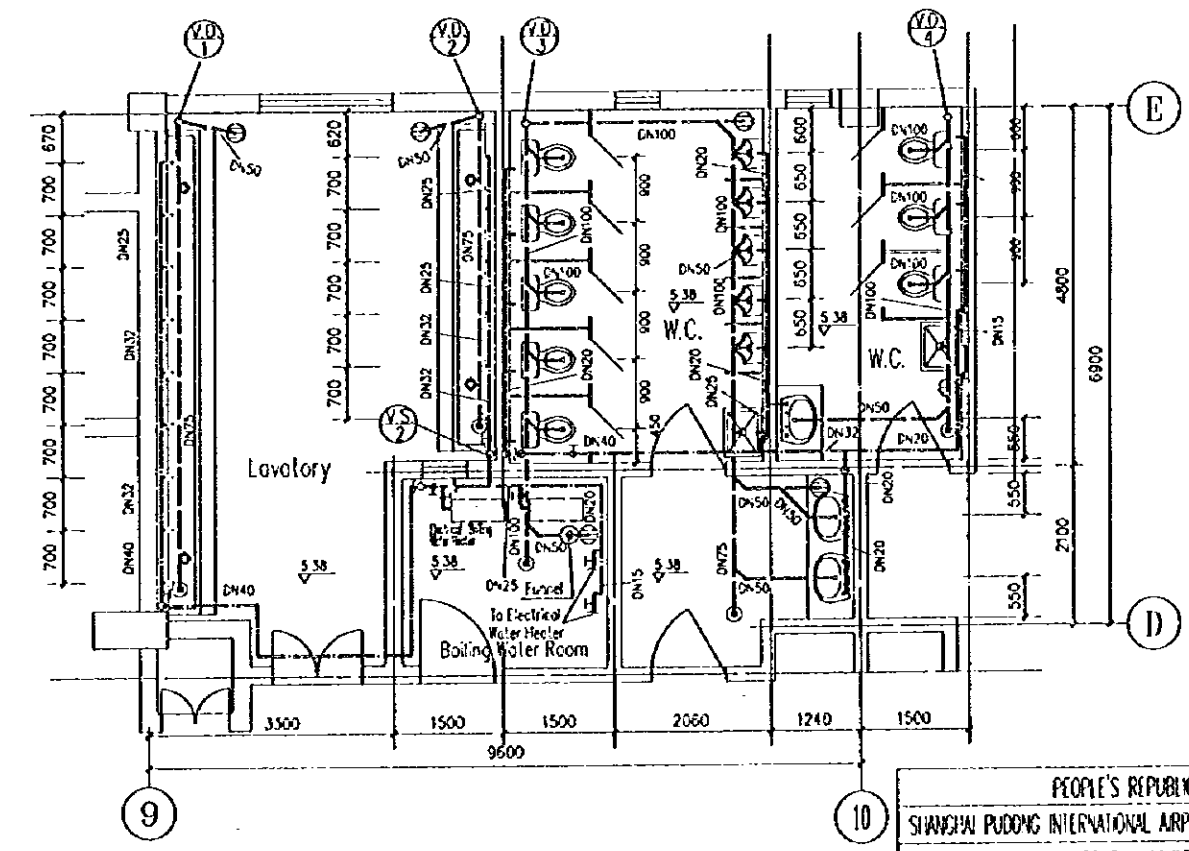


Detailed Drawing of No.1 W.C. (1:50)

Detailed Drawing of No.2 W.C., Bath Room, Locker Room, Drying Room and Cleaning Room. Hot Water Boiler Room,

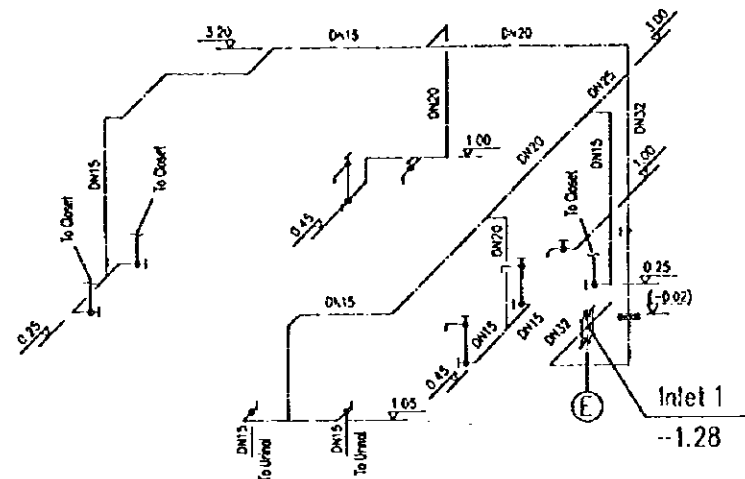


Detailed Drawing of Kitchen

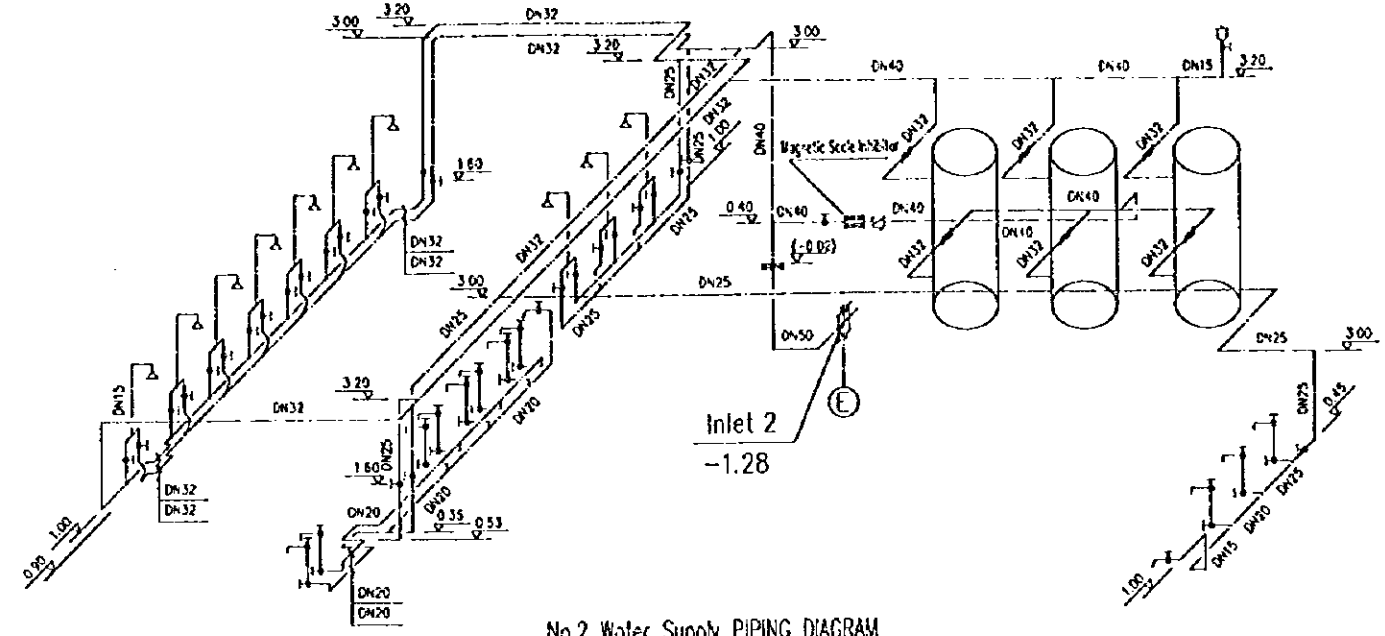


Detailed Drawing of No.3 W.C. and Lavatory, Boiling Water Room

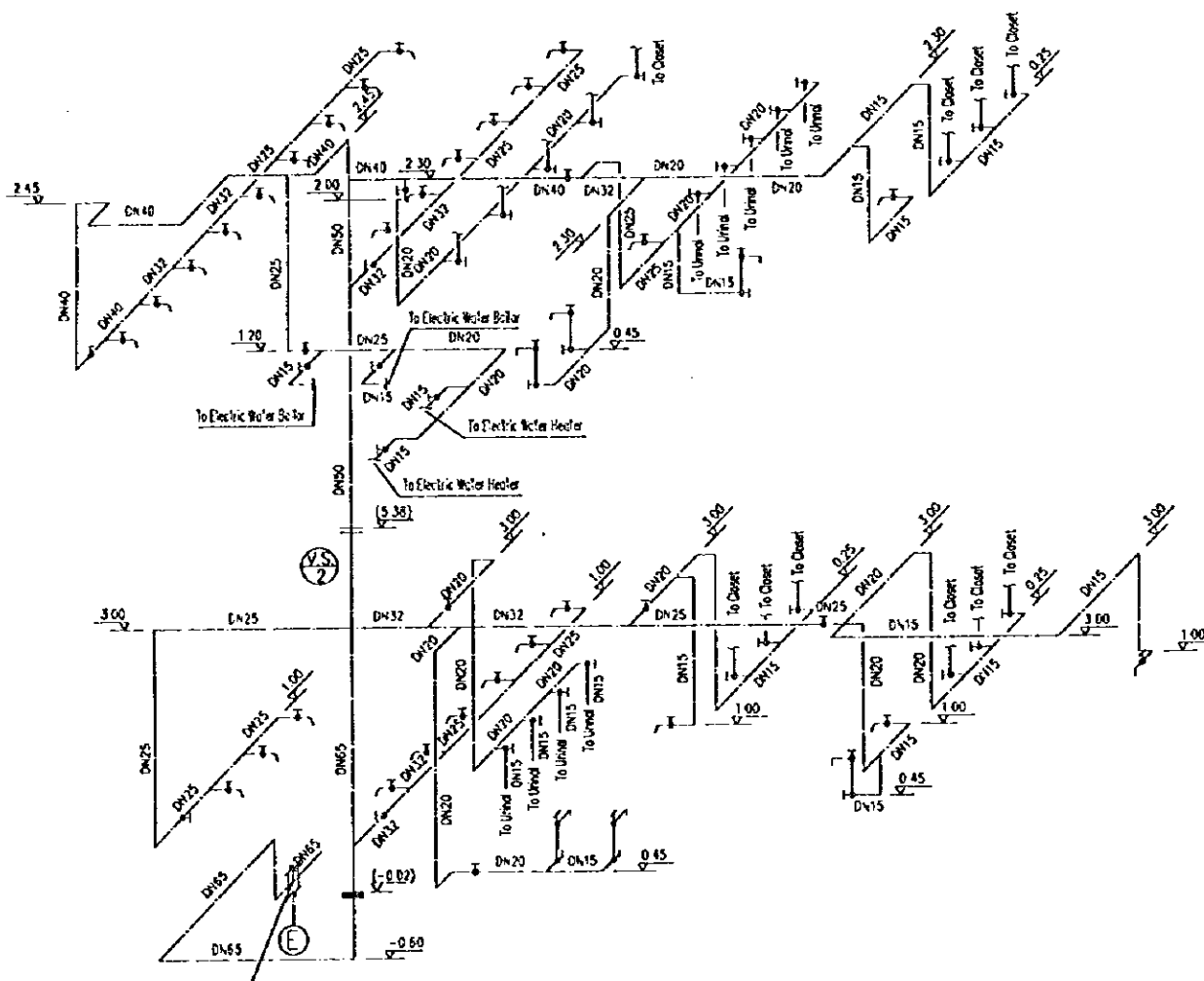
PEOPLE'S REPUBLIC OF CHINA
 SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT | SEPTEMBER 1997
 TOILET, KITCHEN, LAVATORY PLAN DETAILS
 SCALE 1:50
 DWG 41-KP3
 JAPAN INTERNATIONAL COOPERATION AGENCY



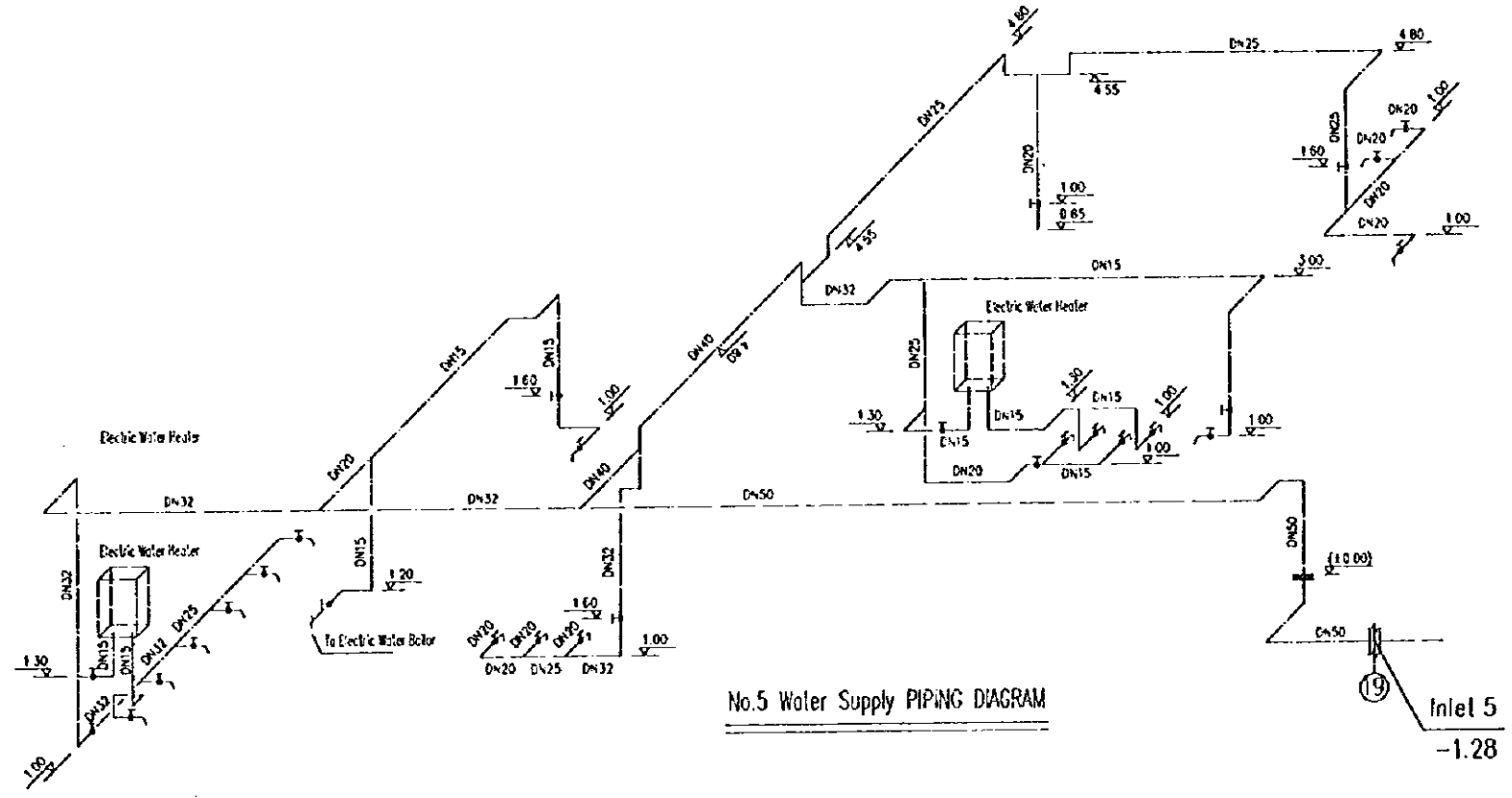
No.1 Water Supply PIPING DIAGRAM



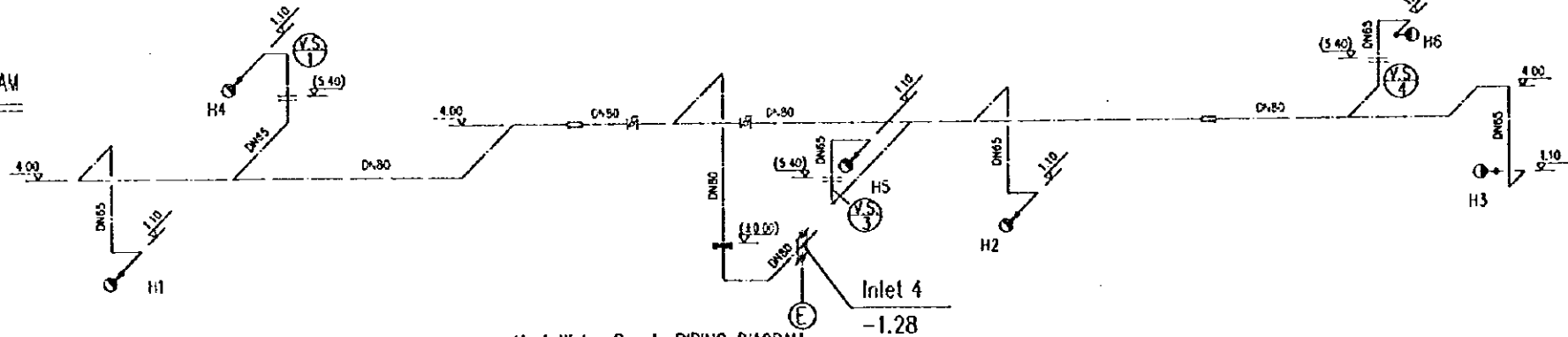
No.2 Water Supply PIPING DIAGRAM



Inlet 3
-1.28
No.3 Water Supply PIPING DIAGRAM



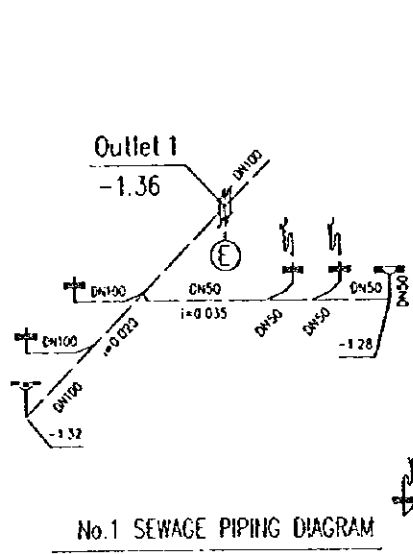
No.5 Water Supply PIPING DIAGRAM



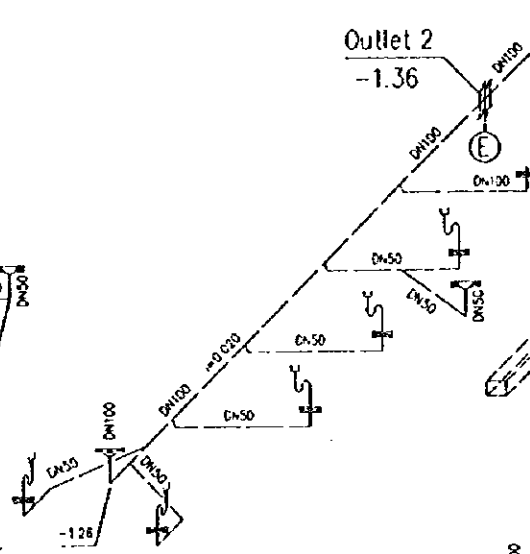
No.4 Water Supply PIPING DIAGRAM

- Remarks:
1. Elevation in This Drawing is What Above or Below the Current Layer.
 2. Elevation With Bracket in This Drawing is What Above or Below the Ground Floor.

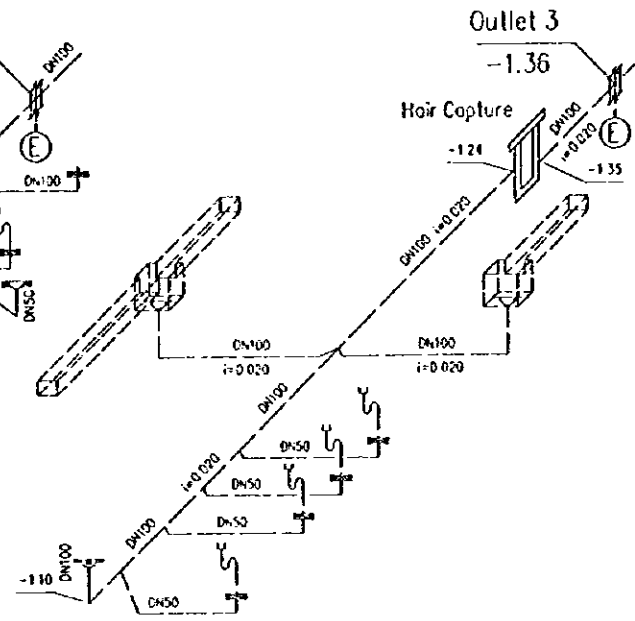
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
WATER SUPPLY, HYDRANT PIPING DIAGRAM	
NO SCALE	DWG 41-VP4
JAPAN INTERNATIONAL COOPERATION AGENCY	



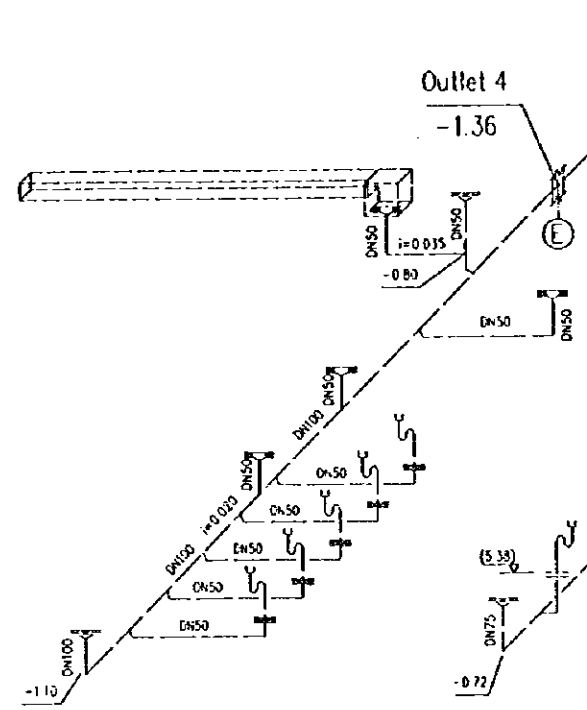
No.1 SEWAGE PIPING DIAGRAM



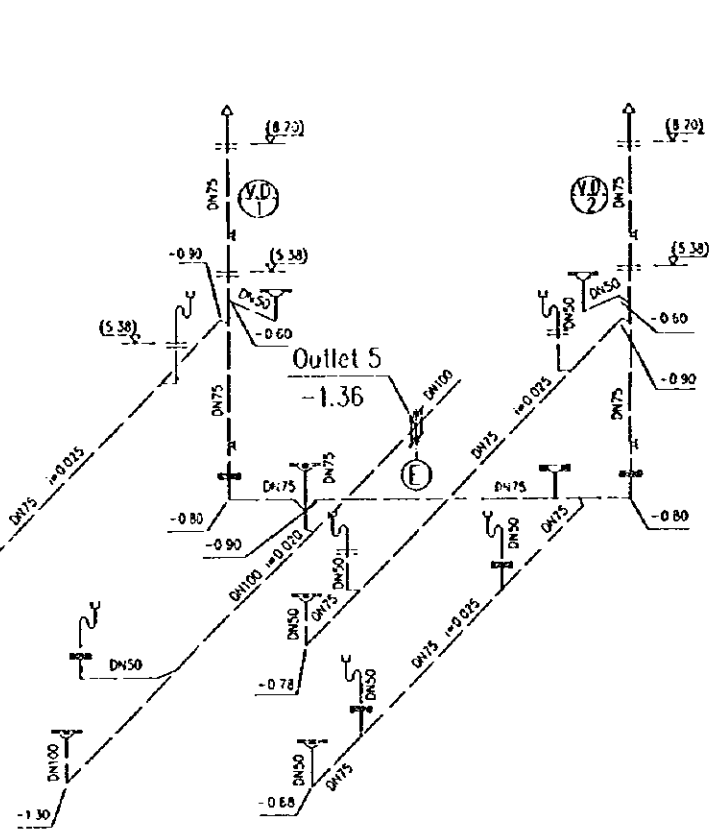
No.2 SEWAGE PIPING DIAGRAM



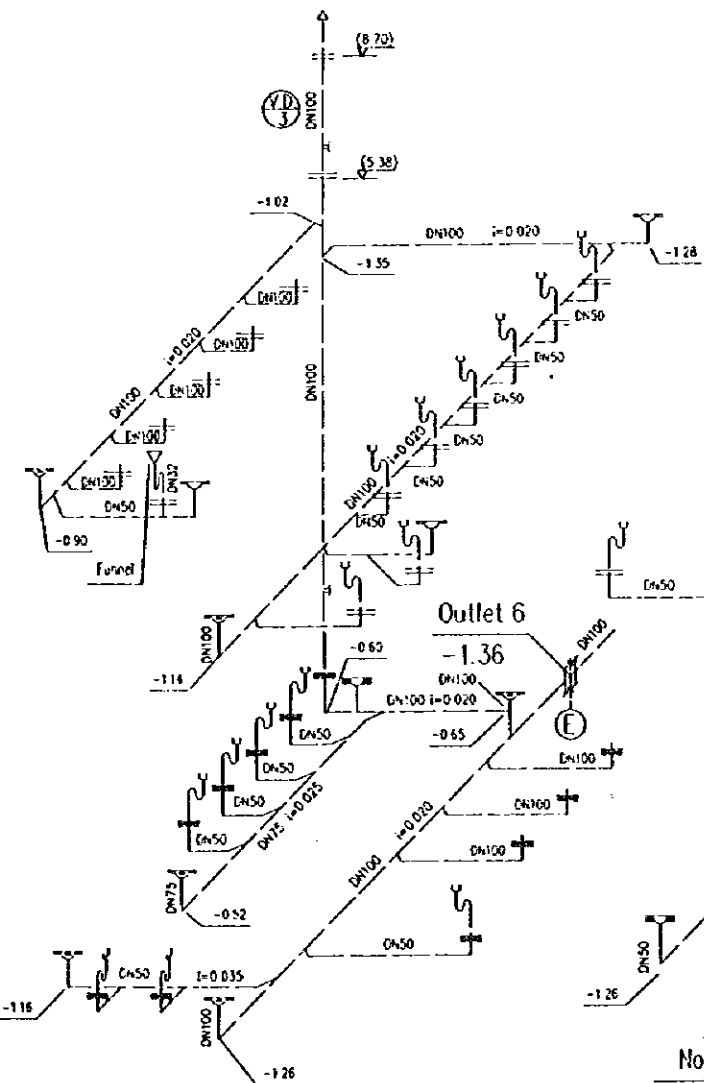
No.3 SEWAGE PIPING DIAGRAM



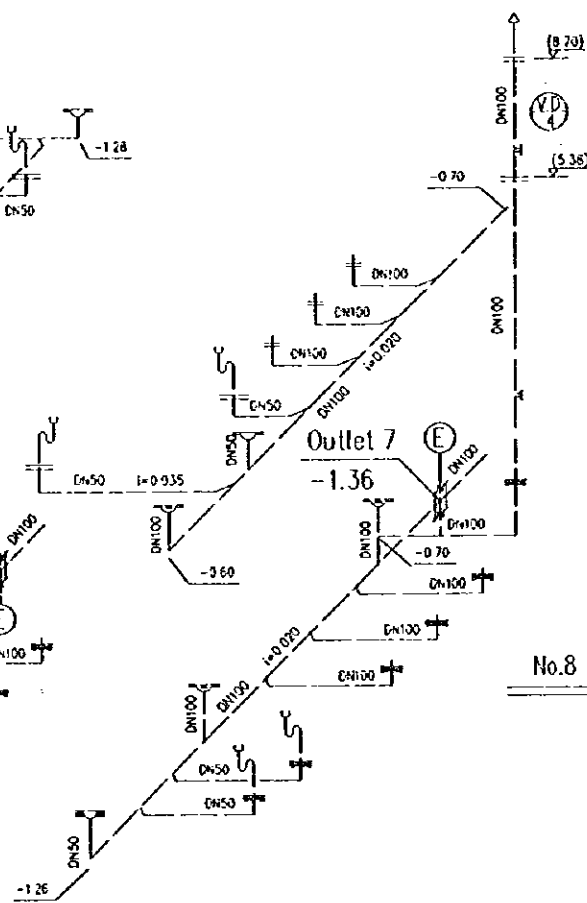
No.4 SEWAGE PIPING DIAGRAM



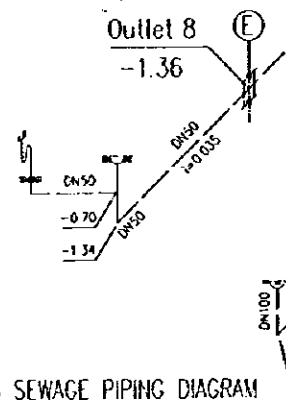
No.5 SEWAGE PIPING DIAGRAM



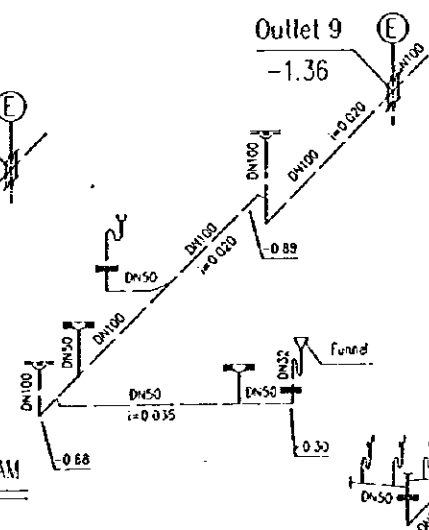
No.6 SEWAGE PIPING DIAGRAM



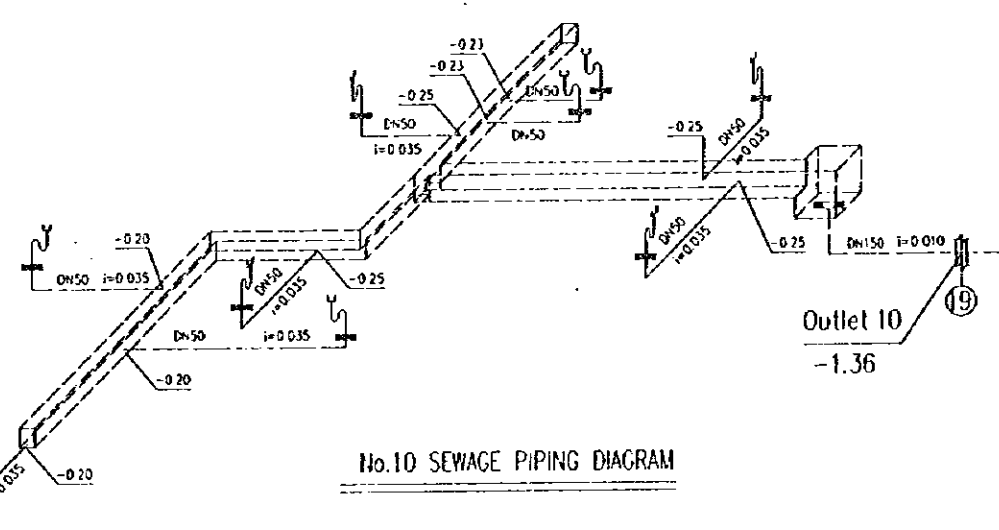
No.7 SEWAGE PIPING DIAGRAM



No.8 SEWAGE PIPING DIAGRAM



No.9 SEWAGE PIPING DIAGRAM



No.10 SEWAGE PIPING DIAGRAM

Remarks:

1. Elevation in This Drawing is What Above or Below the Current Layer.
2. Elevation With Bracket in This Drawing is What Above or Below the Ground Floor.

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
SEWAGE PIPING DIAGRAM	
NO SCALE	DWG 41-MPS
JAPAN INTERNATIONAL COOPERATION AGENCY	

FINISHING TECHNICAL SPECIFICATIONS

No.	Topping	Construction
Floor 1	Concrete	<ol style="list-style-type: none"> 150thick C15 concrete priming as plastering, 1:1 cement mortar polishing. 150thick pebble, grouting M2.5 mixed mortar. Soil tamping
Floor 2	Cement Floor	<ol style="list-style-type: none"> 20 thick 1:2.5 cement mortar mopping, tamping & polishing. Brush one coat of plain wet cement binder course. 60thick C10 concrete 150 thick broken gravel, grouting M2.5 mixed mortar.
Floor 3	Floor Brick	<ol style="list-style-type: none"> Spread plain cement (with appropriate water). 30thick 1:4 hard cement mortar binding course. One coat of plain wet cement binder course. 60 thick C10 course. 150 thick pebble, grouting M2.5 mixed mortar. Soil tamping.
Floor 4	Floor Brick	<ol style="list-style-type: none"> 10thick floor brick pavement, dry cement mortar. Spread plain cement (with appropriate water). 30thick 1:4 hard cement mortar binding course. One coat of plain wet cement binder course. 60 thick (highest point) 1:2.4 fine stone concrete flashing from door to drain with lowest point of not less than 30 thick. One-fell-two asphalt water-proof layer, ridding up to 150 high all around, pasting coarse sand outside. 20thick 1:2.5 cement mortar levelling course. 150 thick pebble, grouting M2.5 mixed mortar. Soil tamping.

No.	Topping	Construction
Skirt 1	Cement Mortar	<ol style="list-style-type: none"> 6 thick 1:2.5 cement mortar finish cool, tamping & polishing. 8thick 1:3 cement mortar medium layer. 12thick 1:3 cement mortar priming, deburring.
Skirt 2	Floor Brick height:120	<ol style="list-style-type: none"> Dry cement pointing. 10 thick floor brick pavement. 8 thick 1:2.5 cement mortar binder course. 12thick 1:3 cement mortar priming, deburring or scratching.
Roof 1		<ol style="list-style-type: none"> 495*495*50, c20 fine stone concrete overhead thermal insulating board, to be reinforced with 60 two-way steel mesh with spacing of 150. 200high overhead thermal insulating course, brick abutment making by M2.5 mortar. Polyurethane cooling water-proof layer (three-coats of 851 water-proof film). Thinnest point: 50 thick breeze levelling course. 20thick 1:2.5 cement mortar plus 5% water-proof agent levelling course. Cast-in-situ R.C. roof slab.
Exterior Wall 1	Floor Brick	<ol style="list-style-type: none"> 1:1 cement mortar (fine sand) pointing. Paste 10 thick facing brick (as pasting as brushing one of YJ-302 type concrete interface treatment agent to increase binding force). 12thick 1:0.2:2 cement lime putty mortar binder course. Brush one coat of plain wet cement (mixing 107 glue with water 3%--5%). 8 thick 1:3 cement mortar priming, deburring or scratching. Brush one coat of YJ-302 type concrete interface treatment agent (as brushing as priming).

No.	Topping	Construction
Ramp 1	Concrete	<ol style="list-style-type: none"> 20 thick 1:2 cement mortar mopping, emery on slip strip of 15 in width wet cement binder course. One coat of plain wet cement binder course. 50 thick C15 concrete. 300 thick C15 concrete. Soil tamping.
Dado 1	Point	<ol style="list-style-type: none"> Brush lusterless point; 5 thick 1:2.5 cement mortar, tamping & polishing; 11 thick 1:3 cement mortar priming, deburring or scratching.
Interior Wall	Coating	<ol style="list-style-type: none"> Point interior wall coating; 2 thick grummet finish cool; 8 thick 1:3 lime putty mortar; 13 thick 1:3 lime putty mortar priming.
Interior Wall 2	Facing brick	<ol style="list-style-type: none"> White cement pointing; Paste 5 thick white glazed brick; 8 thick 1:0.1:2.5 cement lime putty mortar binder course; 12 thick 1:3 cement mortar priming, deburring or scratching.
Ceiling	Coating	<ol style="list-style-type: none"> Point white scrubbing-resisting coating; 2 thick grummet finish cool; 6 thick 1:3:9 cement lime putty mortar; 2 thick 1:0.5:1 cement lime putty mortar priming; R.C. slab bottom to be brushed one coat of plain wet cement (mixing 107 glue with water 3%--5%)
Pointing 1	Point (wood natural color)	<ol style="list-style-type: none"> Polishing; Three coats of acrylic acid; One coat of alcohol acid cooling; Full coat of claircolle; One coat of lubricating powder.
Pointing 2		<ol style="list-style-type: none"> Two coats of mixed point Claircolle making. One coat of antirusting point.

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
FINISHING TECHNICAL SPECIFICATIONS	
SCALE NONSCALE	DWG 42-A1
JAPAN INTERNATIONAL COOPERATION AGENCY	

DESIGN INTRODUCTION

1. This project is designed based on preliminary design and the Owner's modification requirements.
2. This project is Rescue Car Storage Works of Shanghai Pudong International Airport, with general planar positions and ± 0.000 as absolute elevation referring to General Drawing.
3. Floor area: $35.64 \times 8.34 + 8.04 \times 3.3 = 323.8 \text{m}^2$.
4. Wall: 1) Except otherwise noted, all walls are 240 thick brick walls, to be constructed by M7.5 brick, Mu5 mortar.
2) All brick walls shall be provided 20 thick 1:2 cement mortar damp-proof layer at -0.060 , mixing 3%-5% of water-proof agent;
3) 1:2 cement mortar angle bead shall be provided for indoor convex corner, height 1500, width at two sides 150.
5. Door & Window:
 - 1) Except for positions especially noted, all doors and windows shall be installed in walls;
 - 2) Finish coat medium-class make of wood natural color coating to be used for wooden door painting.
6. Finishing:
 - 1) Indoor finishing construction as per Building Material Construction Table & Material Distribution Table, in which dado height: 1500;
 - 2) Outdoor finishing construction as per Building Material Construction Table & Material Distribution Table, the colors of exterior walls refer to Color Notes of each elevation;
apron construction as per J330 Page 50, $6 \text{ L} = 900$ rain pipe to be brushed with two coats of white paint;
7. All roof constructions refer to Material Construction Table & Material Distribution Table;
8. Corrosion-proof treatment shall be done for all built-in parts, fire hydrant snapping into wall, positions see per water supply & drainage drawing.

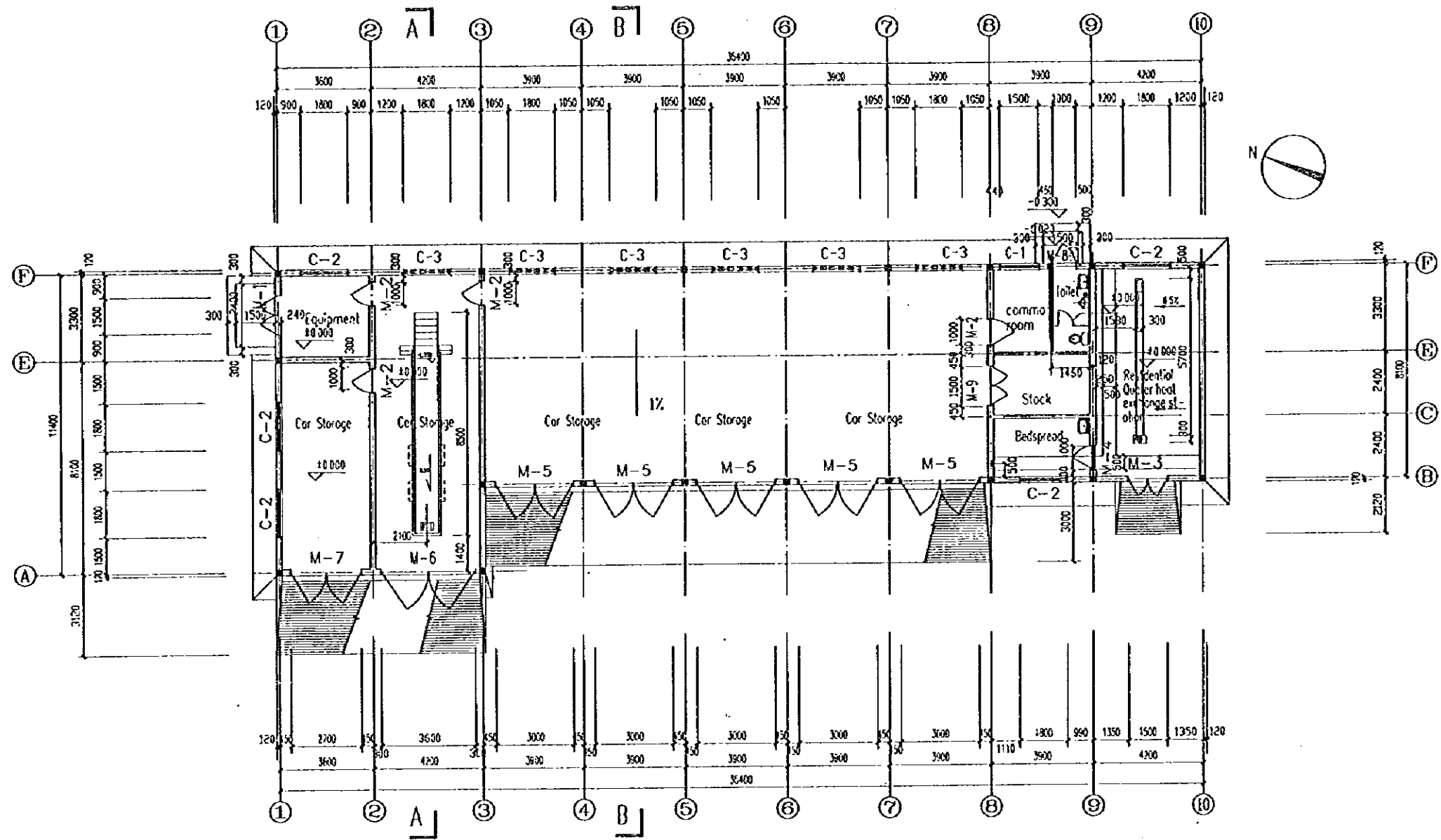
DOOR & WINDOW TABLE

Door Name	Opening Size	Number	Standard Drawing		Remark
			No of Standard Drawing	No of Door & Window	
M-1	1500x3000	1	J640	M14-1530	
M-2	1000x2400	4	J640	M45-1204	
M-3	1500x3000	1	J640	See M13-1524	See construction
M-4	1000x2100	1	J649(-)	CM-1021	Sound isolating Door, 30dB
M-5	3000x4000	4	J640	See M11-3339	See construction
M-5'	3000x4000	1	J640	See M12-3339	See construction
M-6	3600x4000	1	J640	See M12-3639	See construction
M-7	2700x4000	1	J640	See M12-3339	See construction
M-8	1000x3000	1	J640	See M45-1030	See construction
M-9	1500x2400	1	J640	M44-1524	
C-1	1500x2100	1	Xie91J604	TC1521-s	
C-2	1800x2100	5	Xie91J604	TC1821-s	Moving leaf plus aluminum alloy screening leaf
C-3	1800x1800	6	Xie91J604	TC1818-s	

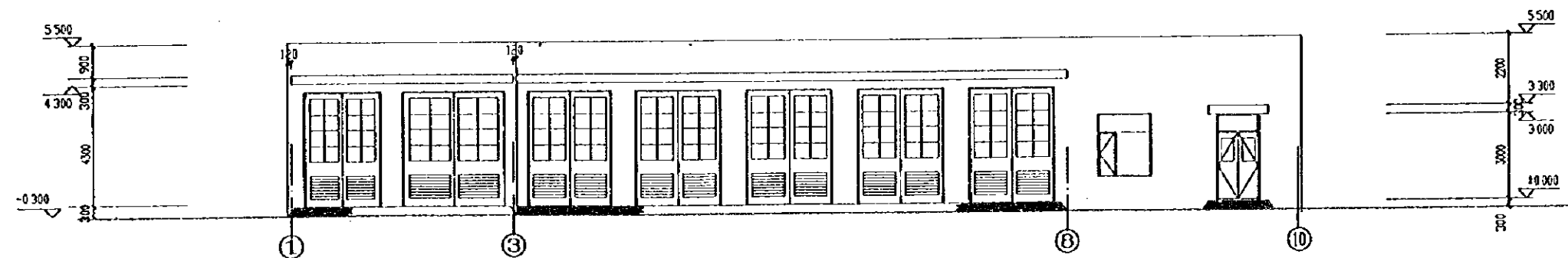
BUILDING CONSTRUCTION TABLE

No.	ITEM	FLOOR	DADO	SKIRT	EXTERIOR	CEILING
1	Car Storage	Floor 1	Dado 1	Skirt 1	Exterior Wall 1	Ceiling 1
2	Equipment	Floor 2	Dado 1	Skirt 1	Exterior Wall 1	Ceiling 1
3	Stock	Floor 2	Dado 1	Skirt 1	Exterior Wall 1	Ceiling 1
4	Common room	Floor 3	Dado 1	Skirt 2	Exterior Wall 1	Ceiling 1
5	Bedsread	Floor 3	Dado 1	Skirt 2	Exterior Wall 1	Ceiling 1
6	Toilet	Floor 4			Exterior Wall 2	Ceiling 1
7	Residential Quarter heat exchange station	Floor 2	Dado 1	Skirt 1	Exterior Wall 1	Ceiling 1

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
DOOR & WINDOW TABLE AND DESIGN INTRODUCTION	
SCALE NONSCALE	DWG 42-A2
JAPAN INTERNATIONAL COOPERATION AGENCY	

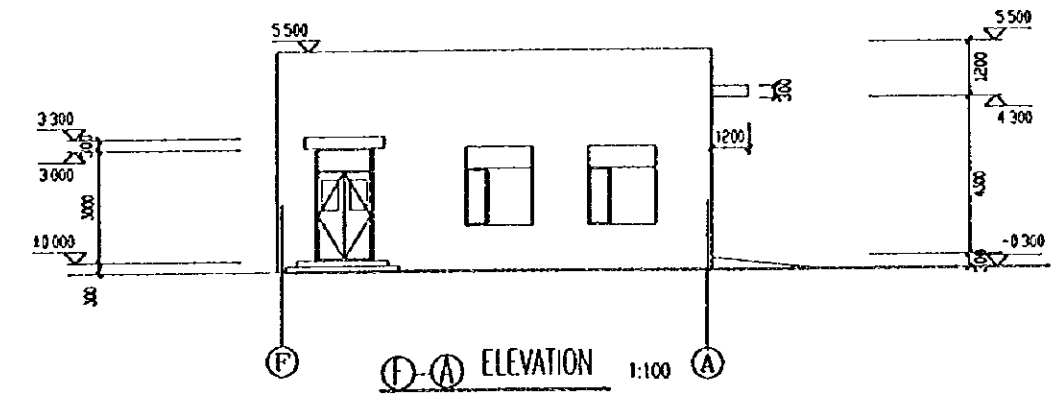
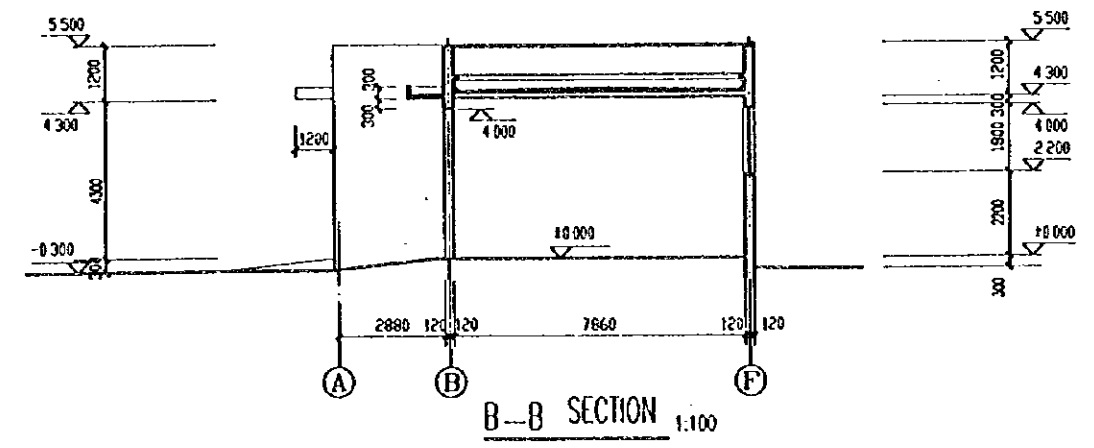
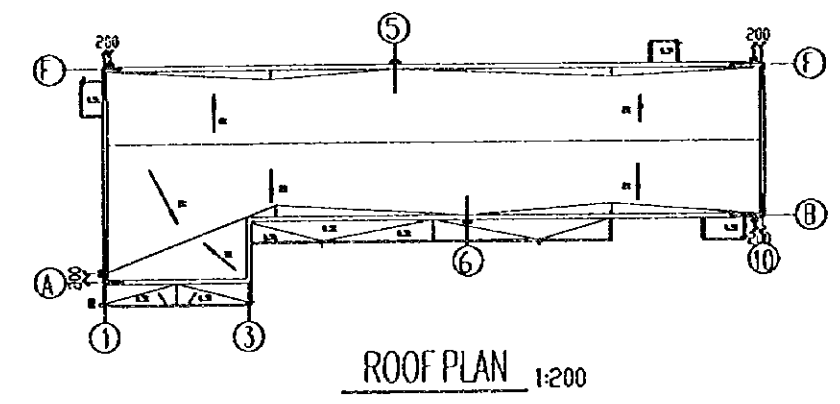
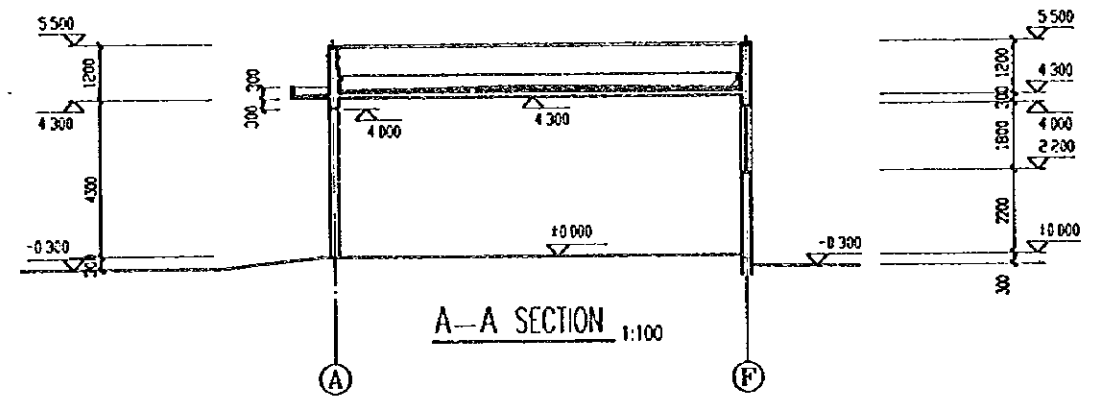
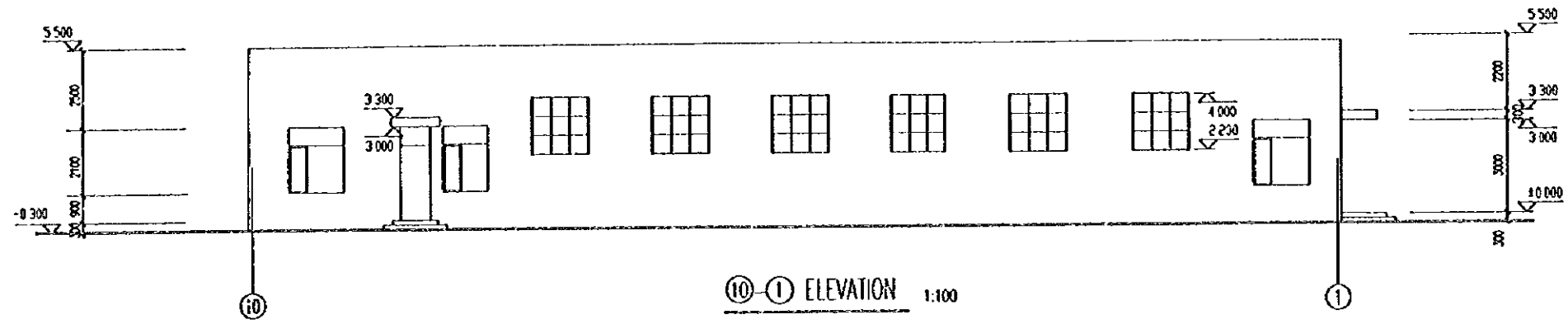


PLAN 1:100

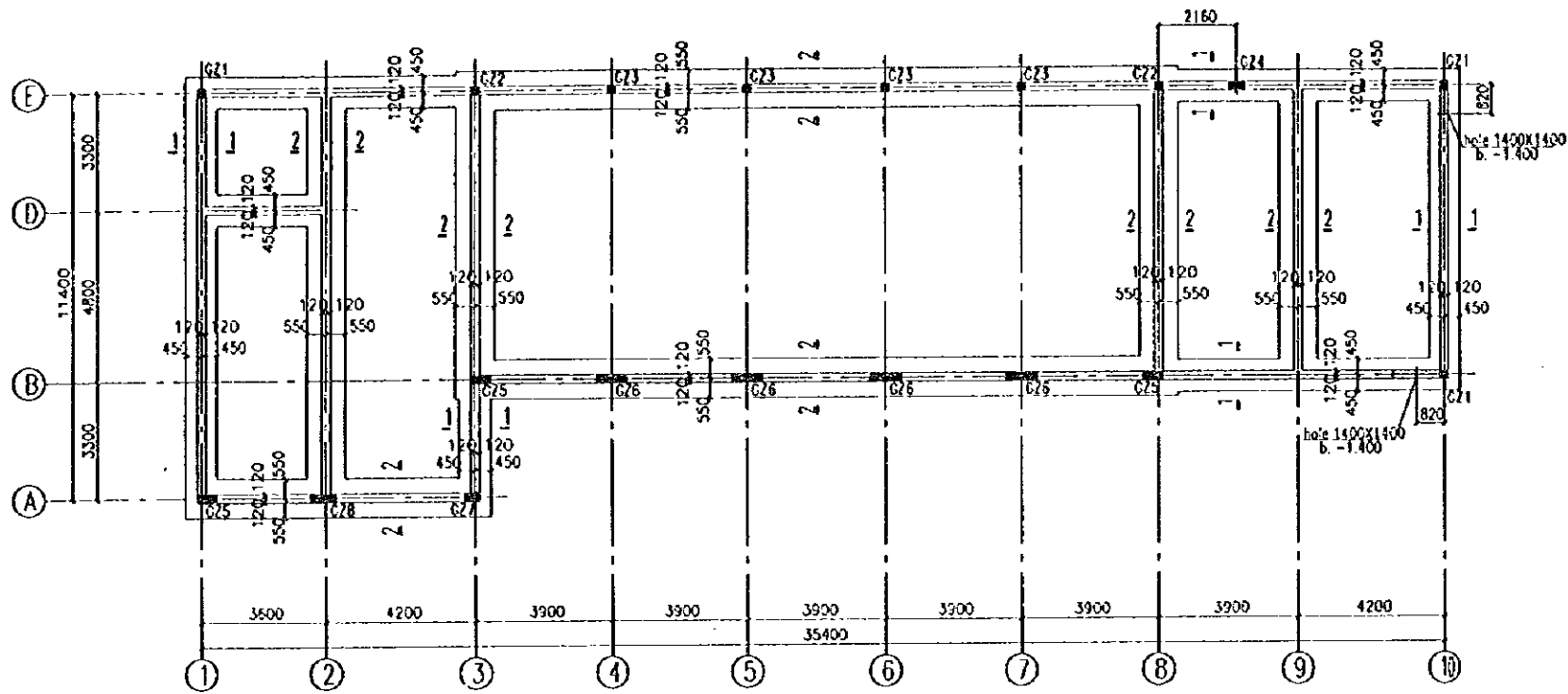


①-⑩ ELEVATION 1:100

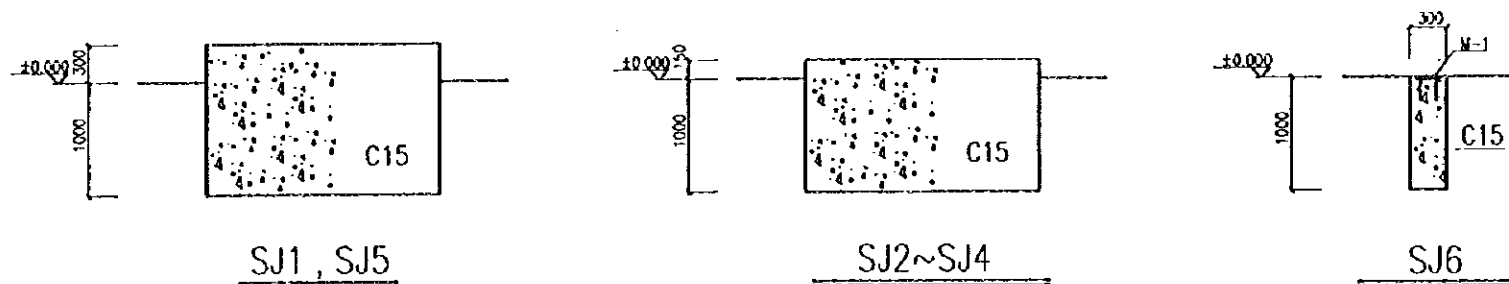
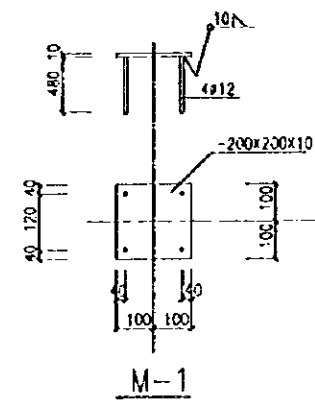
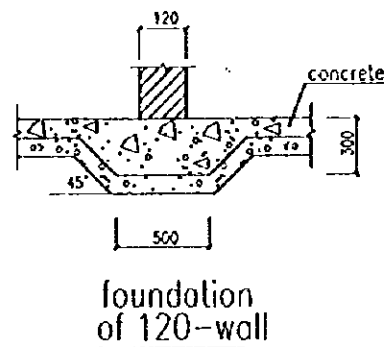
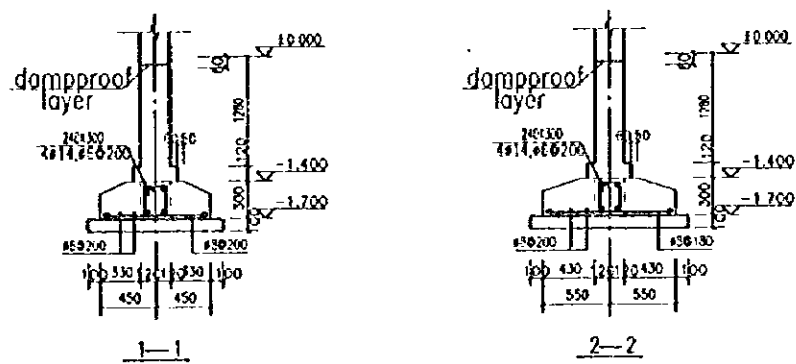
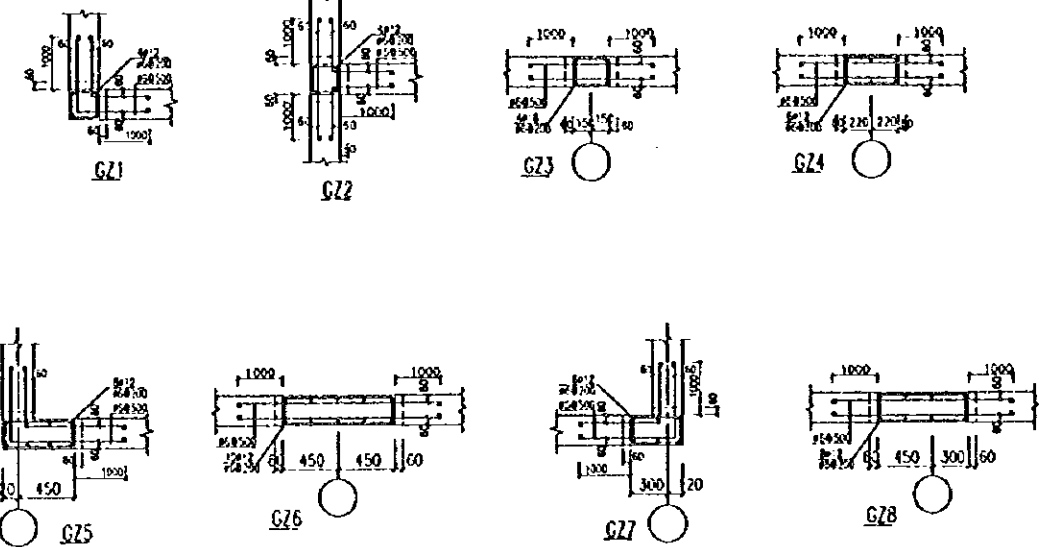
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT SEPTEMBER 1997	
PLAN AND 1~10 ELEVATION	
SCALE	DWG 42-A3
JAPAN INTERNATIONAL COOPERATION AGENCY	



PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
10~1 ELEVATION, F~A ELEVATION AND SECTIONS	
SCALE	DWG 42-A1
JAPAN INTERNATIONAL COOPERATION AGENCY	



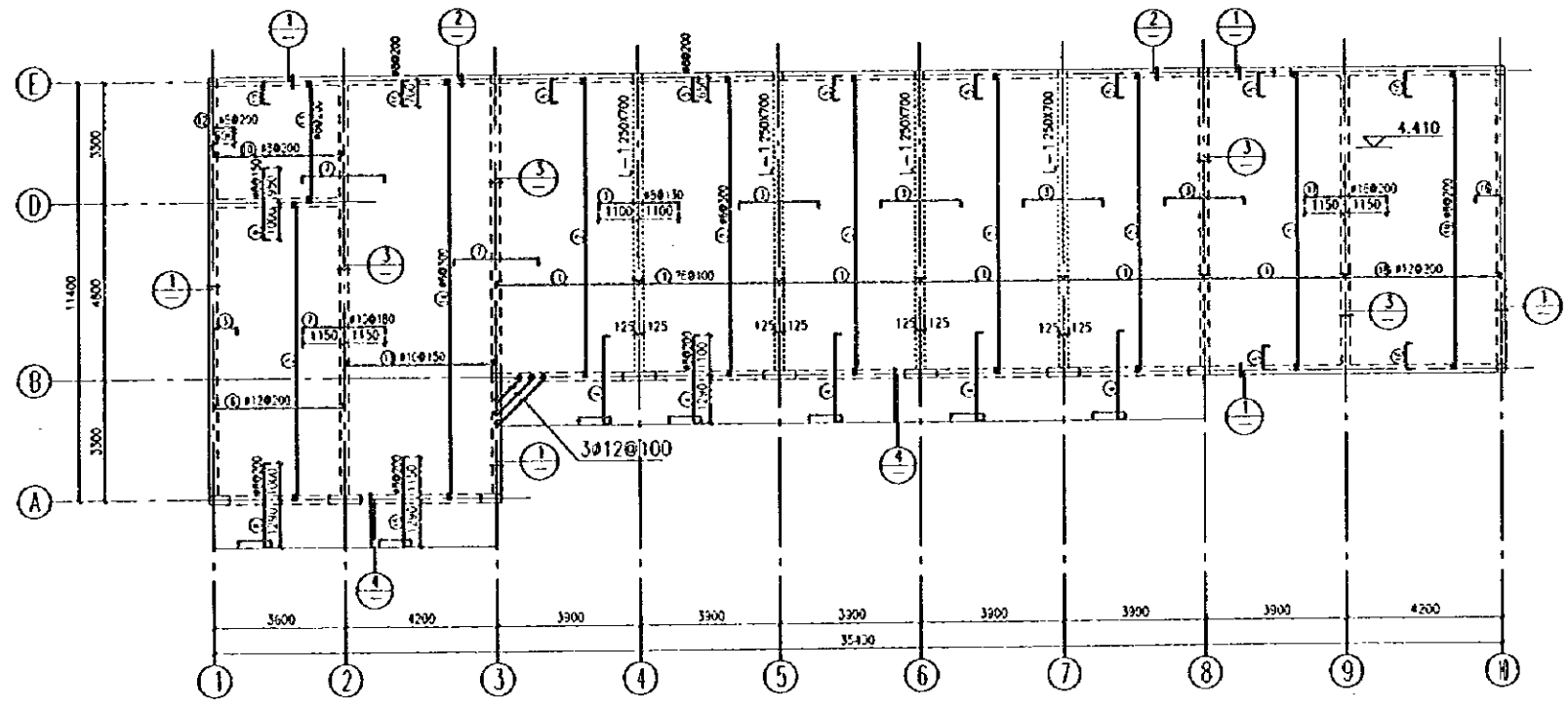
Foundation Plan Layout



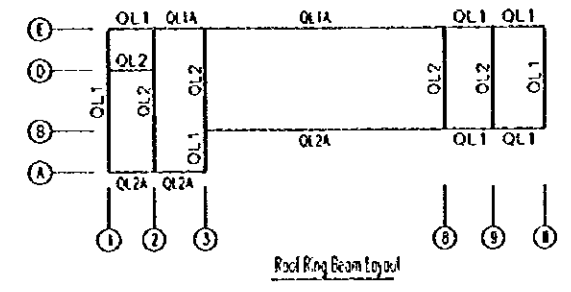
Note

- For this project, 10.000 equals to absolute elevation 4.650.
- The seismic intensity of this project is 7, base load-bearing capacity standard value=90kpa.
2-1 layer brown yellow sily clay will be the bearing course and check the foundation subsoil after excavation.
- Material:
others C25 bedcourse C10 plain concrete.
Reinforcing steel :----refers to Grade II, - - - - refers to Grade I.
partition: exterior partition: 240thick perforated clay bricks
interior partition: 200thick macroporous bricks
- Concrete protection layer thickness: 35mm for columns and beams under ± 0.000
25mm for columns and beams above ± 0.000 , 15mm for slab.
- construction of damp-proof course:
1:2 cement mortar plus 5% waterproofing powder, elevation: -0.060
- See CG329 for seismic construction.
- Foundation construction should coordinate with drawings of water, electric and telecommunication, and pay attention to upper and lower parts of main bar in upright of door frame shall go 50d each into frame beam and foundation beam

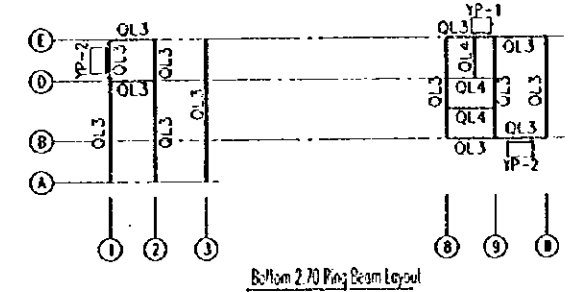
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
FOUNDATION PLAN, REINFORCEMENT DETAILS	
SCALE	DWG 42-S1
JAPAN INTERNATIONAL COOPERATION AGENCY	



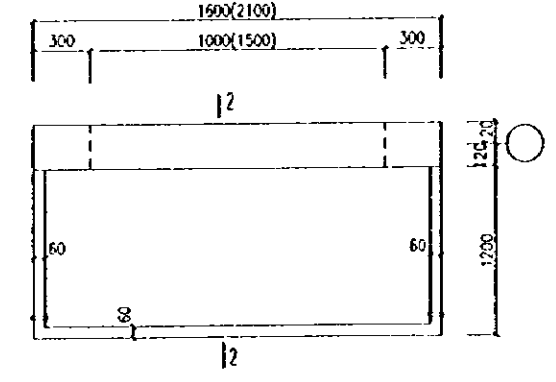
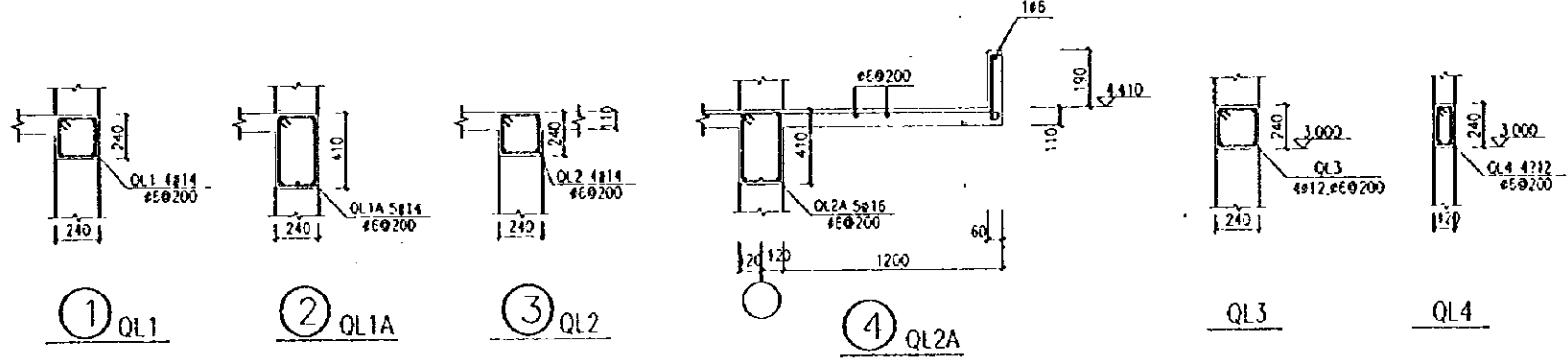
Roof Reinforcement Plan
h=110mm



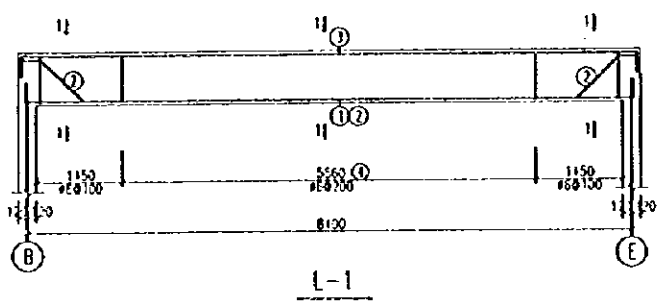
Roof Ring Beam Layout



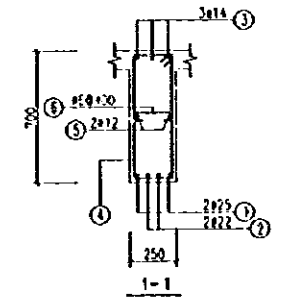
Bottom 2.70 Ring Beam Layout



YP-1(YP-2)



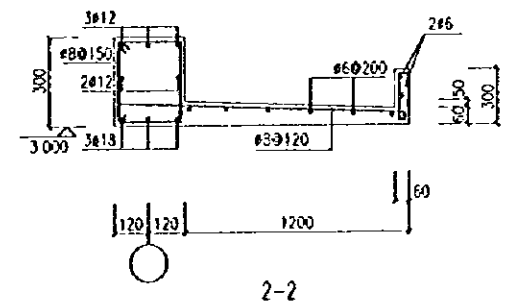
L-1



1-1

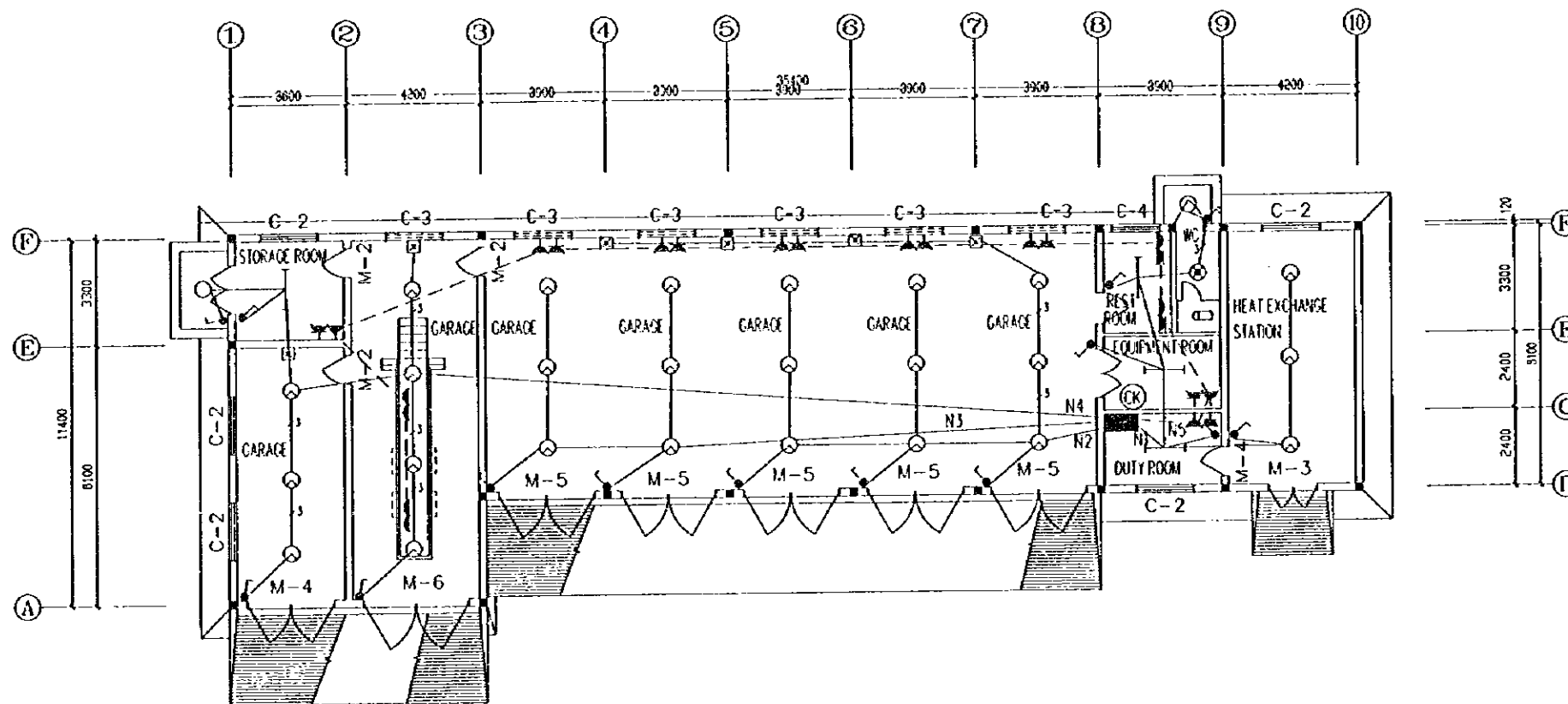
Beam Reinforcing Steel Table

No	Sketch	Speci- fication	Length	Number	Weight
①		#25	8720	2	67
②		#22	9260	2	55
③		#14	9960	3	43
④		#5	1943	50	22
⑤		#12	8220	2	15
⑥		#5	276	20	1



2-2

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SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT | SEPTEMBER 1997
ROOF REINFORCEMENT PLAN, RING BEAM LAYOUT & DETAILS
SCALE 1:50 | DWG 42-S2
JAPAN INTERNATIONAL COOPERATION AGENCY



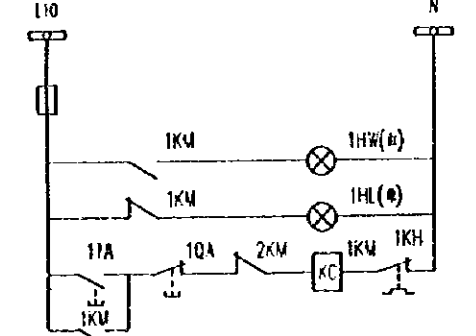
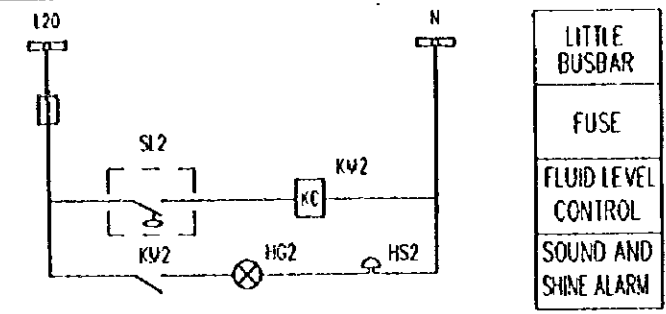
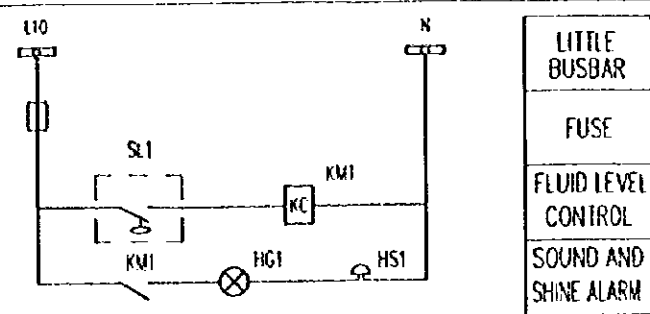
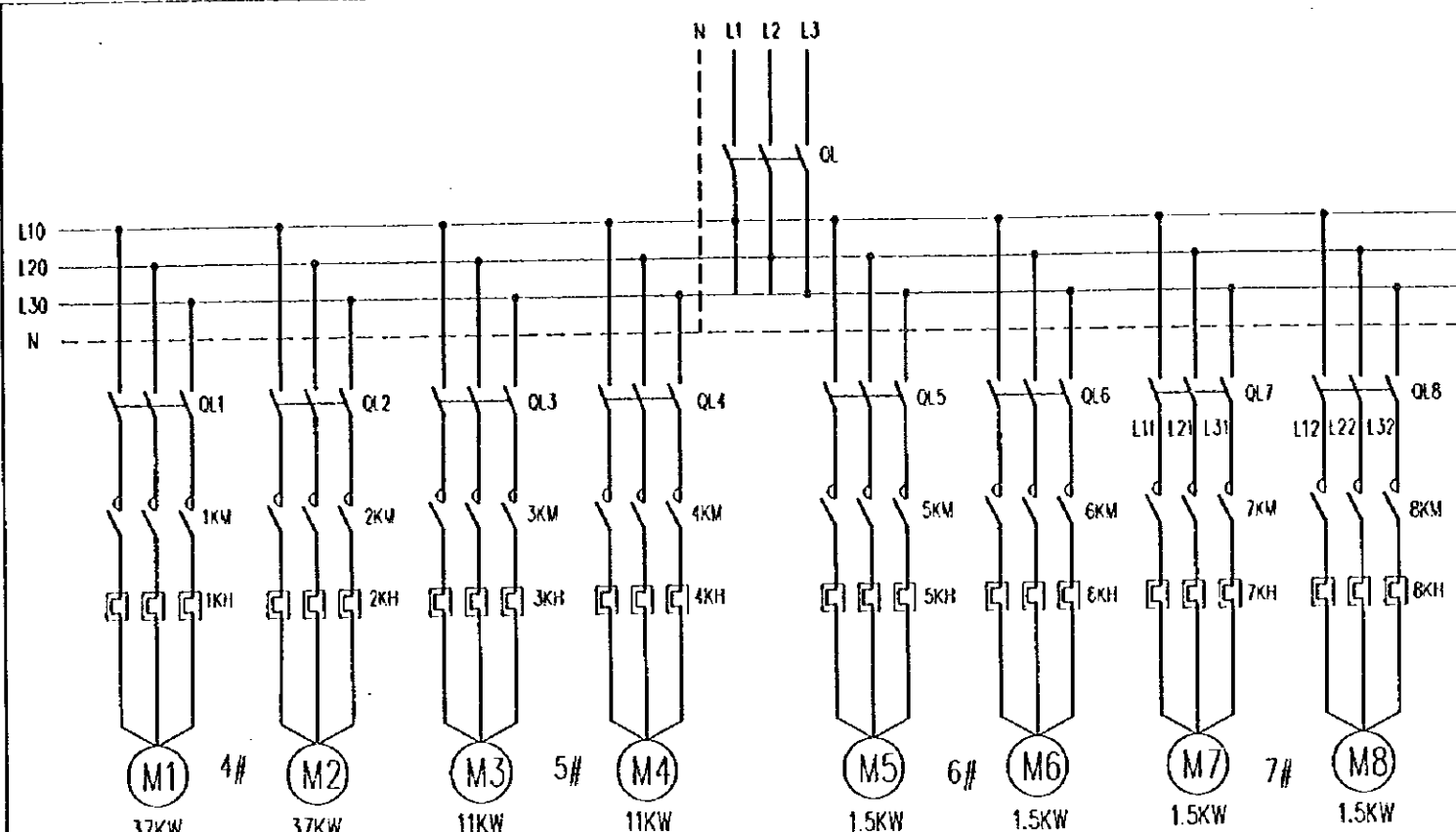
SCALE 1:100

POWER DISTRIBUTION SYSTEM

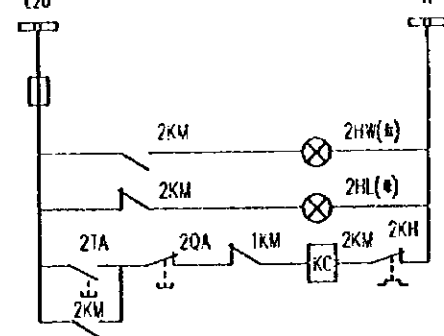
(CK) LIGHTING/RECEPTACLE DISTRIBUTION BOX	CIRCUIT NO.	MCCB	RATED	CIRCUIT NAME	PHASE ORDER	CABLE BV-500	ELECTRIC PIPE	LOAD (KW)
100A NC100	N1	C45N-2/1P	15A	LIGHTING	A	2.5mm ²	G15	0.93
	N2	C45N-2/1P	15A	LIGHTING	B	2.5mm ²	G15	2.25
	N3	C45N-2/1P	15A	LIGHTING	C	2.5mm ²	G15	1.5
	N4	C45N-2/1P	15A	LIGHTING	A	2.5mm ²	G15	1.79
	N5	C45N-2/1P+1Vigi	15A	SOCKET	B	4mm ²	G20	0.6
	N6	C45N-2/1P+1Vigi	15A	SOCKET	C	4mm ²	G20	0.6
	N7	C45N-2/1P		STAND BY	A			
	N8	C45N-2/1P		STAND BY	B			
	N9	C45N-2/1P		STAND BY	C			
	N10	NC100	80A		HEAT EXCHANGE STATION	ABC	VV-1KV 3x25+1x16mm ²	G50

NO.	SYMBOL	NAME	SPECIFICATION	UNIT	QUANTITY
16		ELECTRIC PIPE	G50	m	10
15		ELECTRIC PIPE	G20	m	80
14		ELECTRIC PIPE	G15	m	320
13		CABLE	BV-500V 4mm ²	m	250
12		CABLE	BV-500V 2.5mm ²	m	750
11		POWER SUPPLY CABLE	VV-1KV 3x25+1x16mm ²	m	10
10	○	CIRCULAR OVERHEAD LIGHT	HXD2J3B 1X40W		2
9	⊗	EMERGENCY LIGHT	HJD211		6
8	⊙	WATER AND DUST PROOF OVERHEAD LIGHT	HDD603A-S 1X40W		1
7	—	FLUORESCENT	HYG205-1 1X40W		4
6	⊙	HANGING-UP INDUSTRIAL LAMP	HGC125-B 1X250W		25
5	⚡	TWO SWITCH	250V 10A		1
4	⚡	ONE SWITCH	250V 10A		12
3	⚡	WATER PROOF SOCKET	250V 10A		10
2	⚡	1 PHASE SOCKET	250V 10A		2
1	⊙	LIGHTING/RECEPTACLE DISTRIBUTION BOX	PXI(R)-3		1
FACILITIES AND MATERIALS					

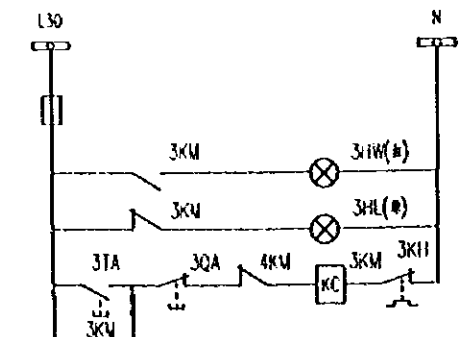
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
LIGHTING PLAN AND POWER DISTRIBUTION SYSTEM	
SCALE 1:100	DRG 42-E1
JAPAN INTERNATIONAL COOPERATION AGENCY	



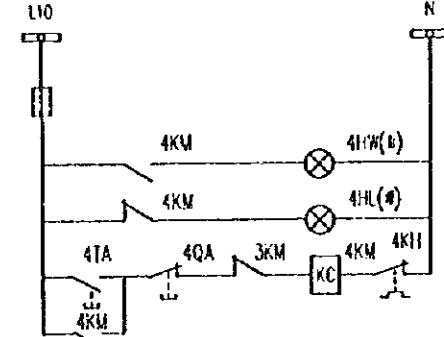
LITTLE BUSBAR
FUSE
START ON INDICATION
STOP OFF INDICATION
MANUAL CONTROL
START ON RETAIN



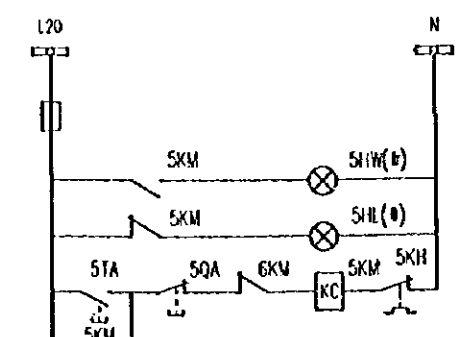
LITTLE BUSBAR
FUSE
START ON INDICATION
STOP OFF INDICATION
MANUAL CONTROL
START ON RETAIN



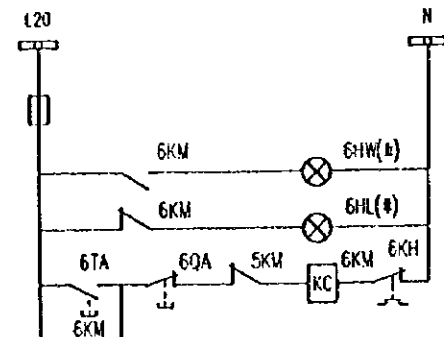
LITTLE BUSBAR
FUSE
START ON INDICATION
STOP OFF INDICATION
MANUAL CONTROL
START ON RETAIN



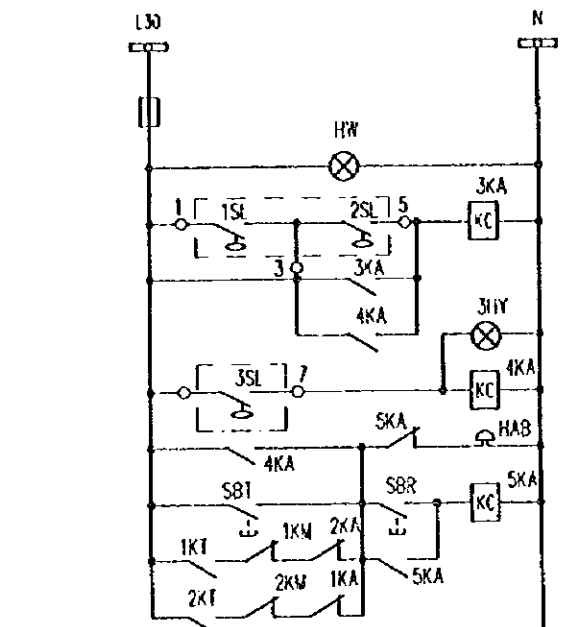
LITTLE BUSBAR
FUSE
START ON INDICATION
STOP OFF INDICATION
MANUAL CONTROL
START ON RETAIN



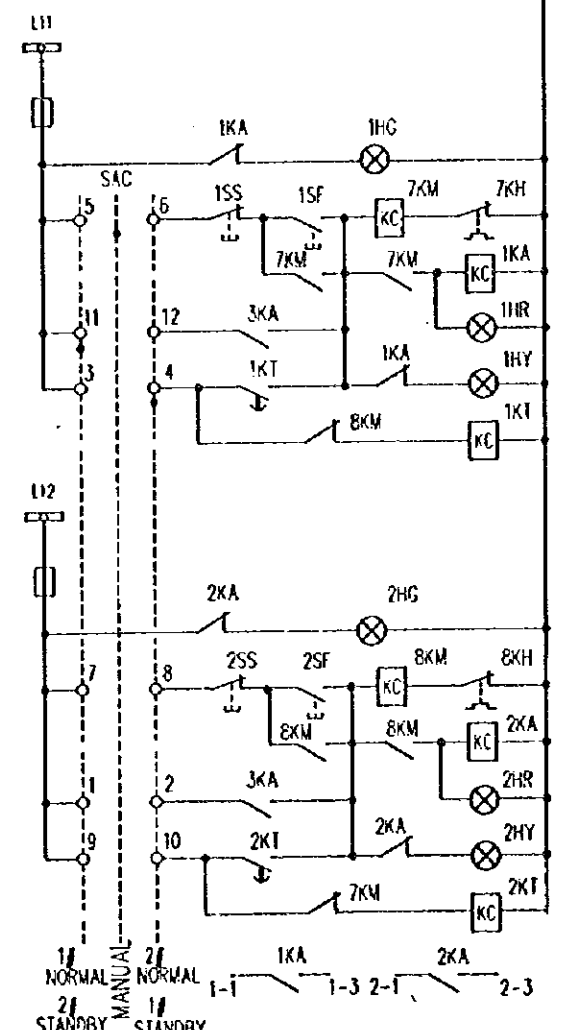
LITTLE BUSBAR
FUSE
START ON INDICATION
STOP OFF INDICATION
MANUAL CONTROL
START ON RETAIN



LITTLE BUSBAR
FUSE
START ON INDICATION
STOP OFF INDICATION
MANUAL CONTROL
START ON RETAIN

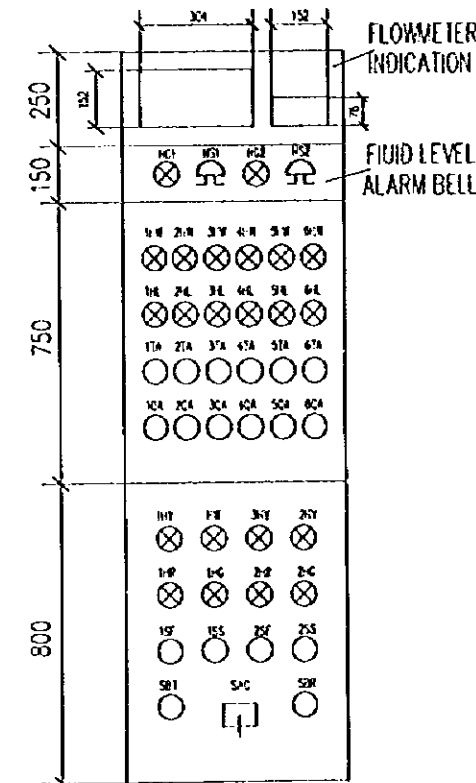


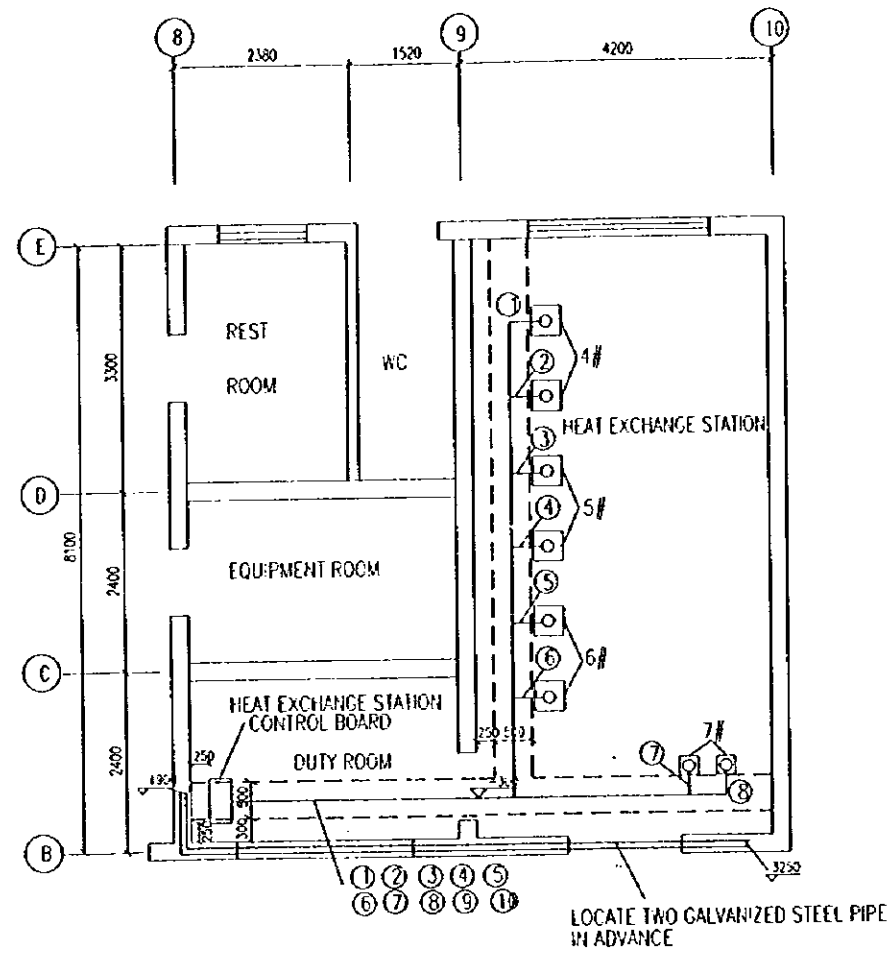
LITTLE BUSBAR
FUSE
CONTROL POWER INDICATION
FLUID LEVEL RELAY
OVERFLOW LEVEL INDICATION
OVERFLOW LEVEL RELAY
FAULT AND OVERFLOW LEVEL ALARM BELL TEST AND SOUND STOP
TWO PUMP FAULT



LITTLE BUSBAR
FUSE
STOP OFF INDICATION
MANUAL CONTROL
MAIN RELAY
AUTOMATIC CONTROL AND OPERATING INDICATION
FAULT INDICATION
STANDBY AUTOMATIC CONNECTED

LITTLE BUSBAR
FUSE
STOP OFF INDICATION
MANUAL CONTROL
MAIN RELAY
AUTOMATIC CONTROL AND OPERATING INDICATION
FAULT INDICATION
STANDBY AUTOMATIC CONNECTED

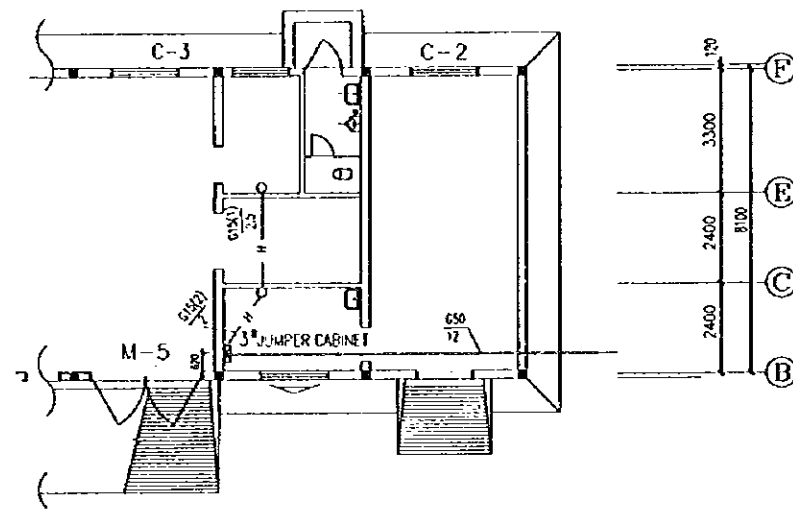




SCALE 1:50

SABLE NO.	CABLE LAID UNDERGROUND		CABLE TYPE	QUANTITY	REMARKS
	FROM	TO			
①	HEAT EXCHANGE STATION CONTROL BOARD	4# COLD WATER PUMP	W-1KV 3X25+1X16	20	
②	HEAT EXCHANGE STATION CONTROL BOARD	4# COLD WATER PUMP	W-1KV 3X25+1X16	19	
③	HEAT EXCHANGE STATION CONTROL BOARD	5# HOT WATER PUMP	W-1KV 3X6+1X4	18	
④	HEAT EXCHANGE STATION CONTROL BOARD	5# HOT WATER PUMP	W-1KV 3X6+1X4	17	
⑤	HEAT EXCHANGE STATION CONTROL BOARD	6# HOT WATER PUMP	W-1KV 3X4+1X2.5	16	
⑥	HEAT EXCHANGE STATION CONTROL BOARD	6# HOT WATER PUMP	W-1KV 3X4+1X2.5	15	
⑦	HEAT EXCHANGE STATION CONTROL BOARD	7# condensation pump	W-1KV 3X4+1X2.5	15	
⑧	HEAT EXCHANGE STATION CONTROL BOARD	7# condensation pump	W-1KV 3X4+1X2.5	15	

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HEAT EXCHANGE STATION POWER SUPPLY PLAN	
SCALE	DWG. 42-E3
JAPAN INTERNATIONAL COOPERATION AGENCY	

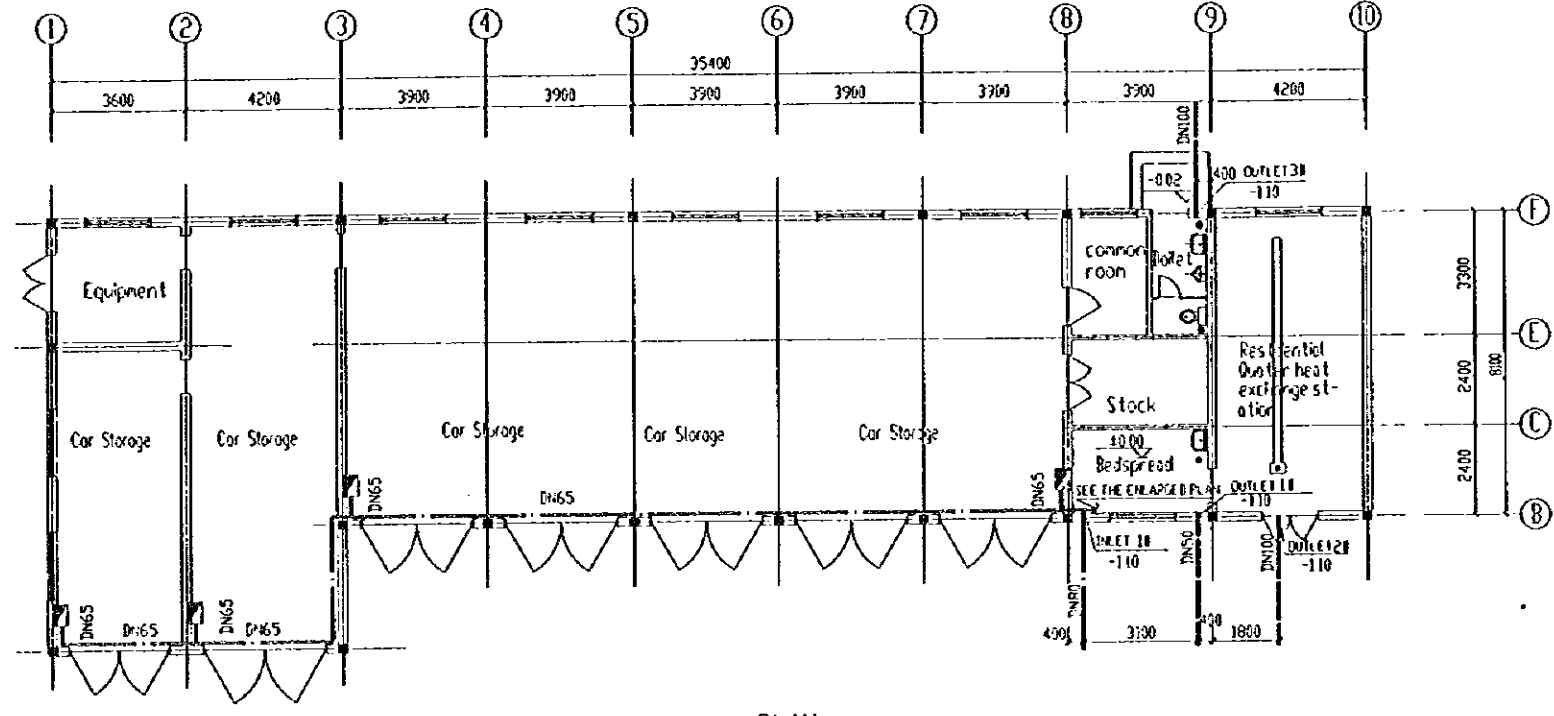


LEGEND:

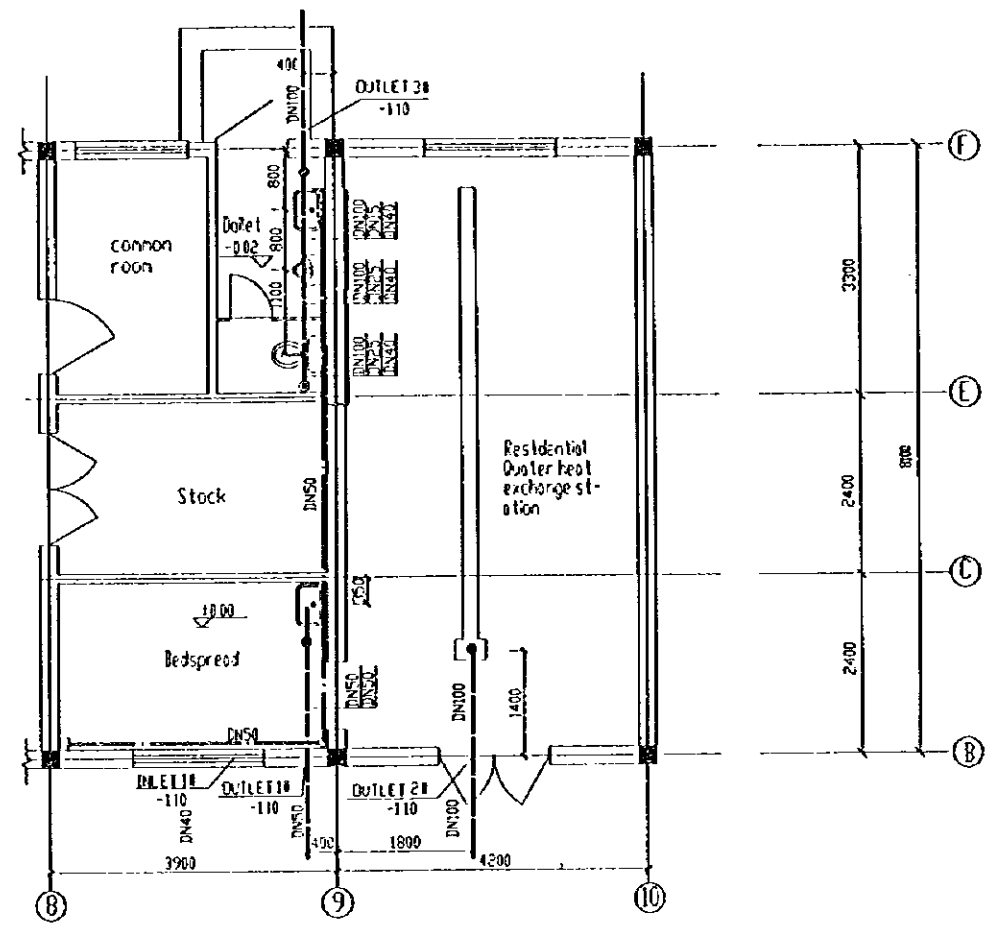
-  JUMPER CABINET
-  OUTLET CONNECTION UNIT
-  TELEPHONE LINE

PLANE DIAGRAM OF TELEPHONE IN GARAGE

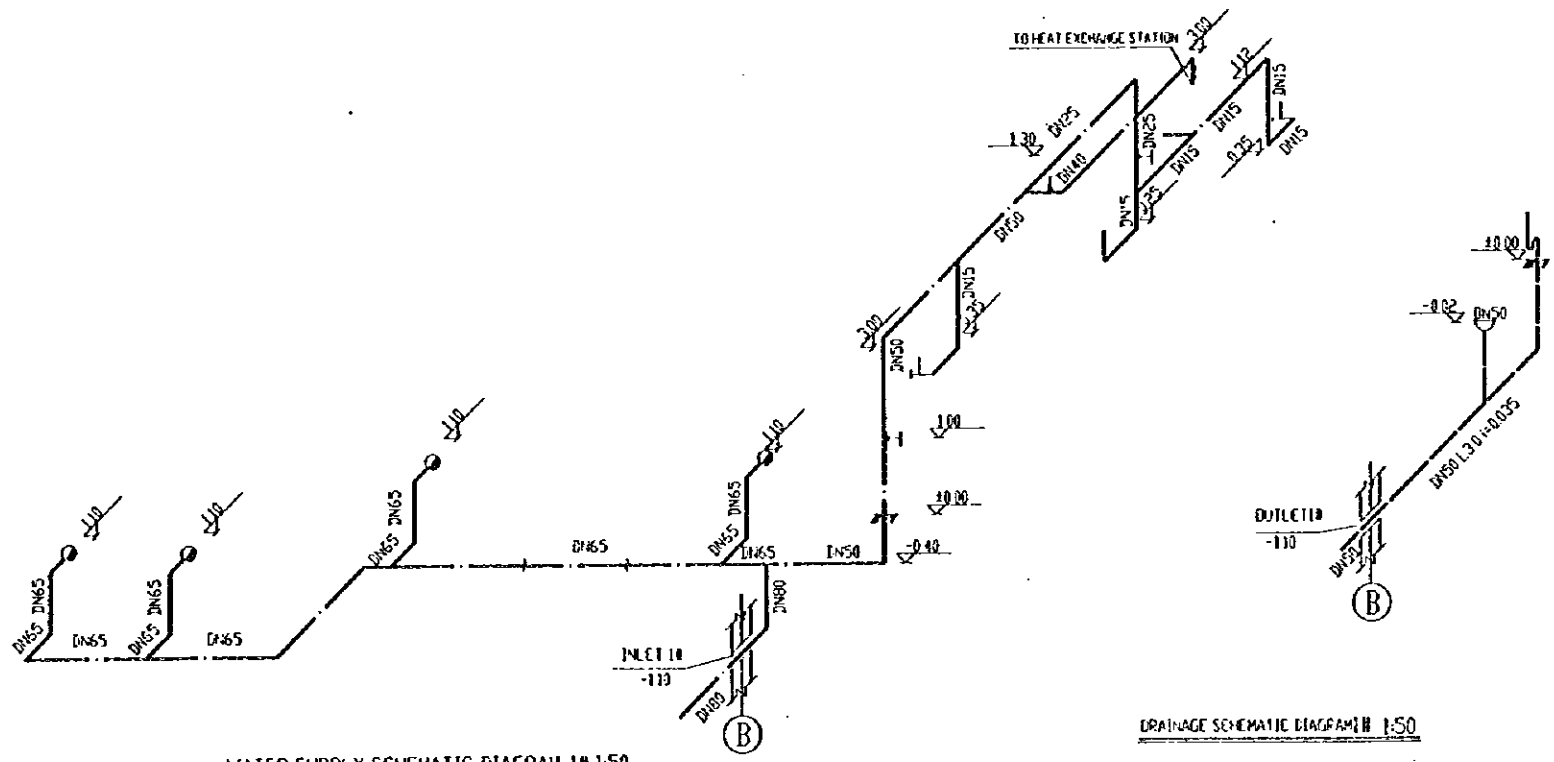
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
TELEPHONE PLAN	
SCALE	DWG 42-EC1
JAPAN INTERNATIONAL COOPERATION AGENCY	



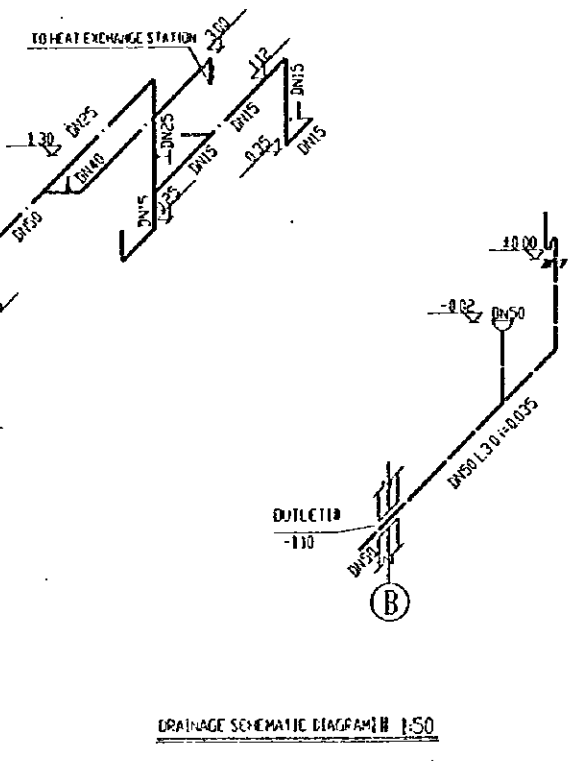
PLAN



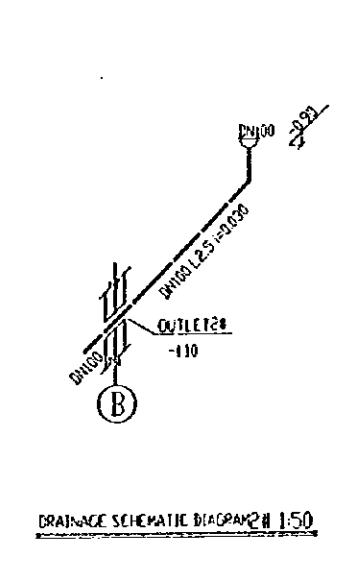
ELARGED PLAN 1:50



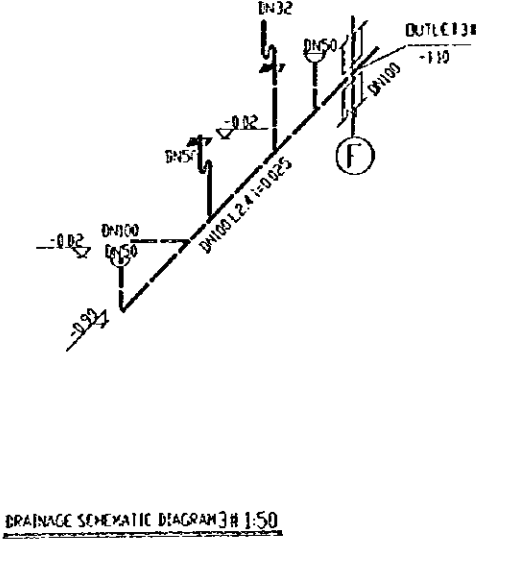
WATER SUPPLY SCHEMATIC DIAGRAM 1# 1:50



DRAINAGE SCHEMATIC DIAGRAM 1# 1:50



DRAINAGE SCHEMATIC DIAGRAM 2# 1:50



DRAINAGE SCHEMATIC DIAGRAM 3# 1:50

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
WATER SUPPLY AND DRAINAGE, FIRE HYDRANT SYSTEM	
SCALE	EWG 42-MPI
JAPAN INTERNATIONAL COOPERATION AGENCY	

FINISHING TECHNICAL SPECIFICATIONS (1)

No.	Topping	Construction
Floor 1	Concrete	<ol style="list-style-type: none"> 220 thick C25 concrete topping, two-way reinforcement 10X250 (separate vibrating, tamping, as plastering as mopping indenting, deburring, each piece not more than 6mX6m, asphalt treatment, inserting pine batten); Plastic film damp-proof layer; 100 thick C10 concrete bedcourse; 300 thick sand-stone-layer rolling & tamping; Soil tamping, compactivity: >98% (sampling)
Floor 2	Cement	<ol style="list-style-type: none"> 20 thick 1:2.5 cement mortar mopping, tamping & polishing One coat of plain wet cement binder course; 150 thick C20 concrete Plastic film damp-proof layer; 100 thick C10 concrete bedcourse; 300 thick sand-stone-layer rolling & tamping; Soil tamping
Floor 3	Floor brick	<ol style="list-style-type: none"> 10 thick floor brick pavement, dry cement pointing; Spread plain cement (with appropriate water); 30 thick 1:4 hard cement mortar binder course; One coat of plain wet cement binder course; 150 thick C20 concrete Plastic film damp-proof layer; 100 thick C10 concrete bedcourse; 300 thick sand-stone-layer rolling & tamping; Soil tamping
Floor 4	Floor Brick (with water-proof layer)	<ol style="list-style-type: none"> 10 thick floor brick pavement, dry cement pointing; Spread plain cement (with appropriate water); 30 thick 1:4 hard cement mortar binder course; One coat of plain wet cement; 60 thick (highest point) 1:2:4 fine stone concrete, flashing from door to drain, lowest point: not less than 30 thick. One-felt-two-asphalt water-proof layer, rolling up to 150 high all around, pasting coarse sand; 20 thick 1:3 cement mortar levelling course; 150 thick C20 concrete 300 thick sand-stone-layer rolling & tamping; Soil tamping
Floor 5	Wooden Floor	<ol style="list-style-type: none"> Single-layer matched floor topping (slab bottom brushed with corrosion-proof oil); Wooden lath 50X60, spacing 500, stull 50X50, spacing 400, wooden lath overhead 20, fixed to wooden cushion, cushion spacing 500, C15 concrete as tamping & polishing, provided No.12 lead wire (wrap up with wooden lath), spacing 500; One coat of varnish, coat, one-felt-two-asphalt damp-proof layer;

No.	Topping	Construction
		<ol style="list-style-type: none"> 20 thick 1:3 cement mortar levelling course; One coat of plain wet cement; 150 thick C20 concrete 300 thick sand-stone-layer rolling & tamping; Soil tamping
Floor 6	Floor Brick (corrosion-resisting)	<ol style="list-style-type: none"> 15 thick acid-resisting floor brick pavement, water-glass acid-resisting mortar pointing; 10 thick water-glass acid-resisting mortar binder course; 20 thick water-glass acid-resisting mortar levelling course; Two-felt-three-asphalt water-proof layer, rolling up to 150 high all around, pasting coarse sand; 20 thick 1:3 cement mortar levelling course; One coat of plain wet cement; 150 thick C20 concrete 300 thick sand-stone-layer rolling & tamping; Soil tamping
Step		
Step 1	Cement	<ol style="list-style-type: none"> 20 thick 1:2.5 cement mortar mopping, tamping & polishing One coat of plain wet cement binder course; 150 thick C20 concrete, thickness not including triangle part of tread, step surface 1% pitch to outside; 300 thick sand-stone-layer rolling & tamping; Soil tamping
Apron		
Apron 1	Concrete	<ol style="list-style-type: none"> 50 thick C15 concrete 1:1 cement mortar tamping & polishing; 150 thick sand-stone-layer tamping; Soil tamping, 4% pitch to outside.
Ramp		
Ramp 1	Cement	<ol style="list-style-type: none"> 25 thick 1:2.5 cement mortar mopping, as sawtooth shape of 60 in width and 7 in depth; One coat of plain wet cement binder course; 150 thick C20 concrete, thickness not including triangle 300 thick sand-stone-layer rolling & tamping; Soil tamping
Interior Wall		
Interior Wall 1	Coating	<ol style="list-style-type: none"> Paint interior wall coating; 2.5 thick 1:2.5 cement mortar finish coat, tamping & polishing; 13 thick 1:3 cement mortar priming, deburring or scratching.
Interior Wall 2	Facing Brick	<ol style="list-style-type: none"> White cement pointing; Paste 5 thick white glazed brick; 8 thick 1:0.1:2.5 cement lime putty mortar binder course; 12 thick 1:3 cement mortar priming, deburring or scratching.
Building Floor		
Building Floor 1	Floor Brick	<ol style="list-style-type: none"> 10 thick floor brick pavement, dry cement pointing;

No.	Topping	Construction
		<ol style="list-style-type: none"> Spread plain cement (with appropriate water); 20 thick 1:4 hard cement mortar binder course; One coat of plain wet cement binder course; 40 thick 1:2:3 fine stone concrete Cast-in-situ R.C. slab.
Building Floor 2	Floor Brick (with water-proof layer)	<ol style="list-style-type: none"> 10 thick floor brick pavement, dry cement pointing; Spread plain cement (with appropriate water); 20 thick 1:4 hard cement mortar binder course; One coat of plain wet cement; 50 thick (highest point) 1:2:4 fine stone concrete flashing from door to drain, lowest point: not less than 30 thick; Two-felt-three-asphalt water-proof layer, rolling up to 150 high all around, pasting coarse sand, 300 wide pavement at entrance; 20 thick 1:3 cement mortar levelling course, one coat of varnish coat; One coat of plain wet cement; Cast-in-situ R.C. slab.
Building Floor 3	Floor Brick (corrosion-resisting)	<ol style="list-style-type: none"> 15 thick acid-resisting floor brick pavement, water-glass acid-resisting mortar pointing; 10 thick water-glass acid-resisting mortar binder course; 20 thick water-glass acid-resisting mortar levelling course; Emulsified rubber asphalt two-cloth (fiber glass) three-coating isolating layer, rolling up to 150 high all around, pasting coarse sand; 20 thick 1:3 cement mortar levelling course; One coat of plain wet cement; Cast-in-situ R.C. slab.
Building Floor 4	Wooden Floor	<ol style="list-style-type: none"> Single-layer matched floor topping (slab bottom brushed with corrosion-proof oil); Wooden lath 50X60, spacing 500, transverse support 50X50, spacing 400, (cavity to be filled with 50 thick dry slag); Wooden lath overhead 20, fixed to wooden cushion, cushion spacing 500; 50 thick 1:2:3 fine stone concrete; R.C. slab, per-bed No.12 galvanized lead wire (wrapped with wooden lath), spacing 500.
Skirt 1	Cement 120 high	<ol style="list-style-type: none"> 6 thick 1:2.5 cement mortar finish coat, tamping & polishing; 6 thick 1:3 cement mortar priming, deburring or scratching.
Skirt 2	Floor Brick 120 high	<ol style="list-style-type: none"> 10 thick floor brick skirt; 12 thick 1:3 cement mortar priming, deburring or scratching.
Dado 1	Dado Point	<ol style="list-style-type: none"> Brush lusterless paint; 6 thick 1:2.5 cement mortar finish coat, tamping & polishing; 15 thick 1:3 cement mortar priming, deburring or scratching.
Ceiling 1	Coating	<ol style="list-style-type: none"> Paint ceiling coating; 5 thick 1:2.5 cement mortar finish coat; 5 thick 1:3 cement mortar priming, deburring or scratching. R.C. slab bottom to be brushed with one coat of plain wet cement (mixing 107 glue with water 3%-5%).
Ceiling 2	Gypsum Board Ceiling	<ol style="list-style-type: none"> Paint ceiling coating; Full claircolle making & levelling; Brush damp-proof coating (one coat of emulsified oil).

FINISHING TECHNICAL SPECIFICATIONS (2)

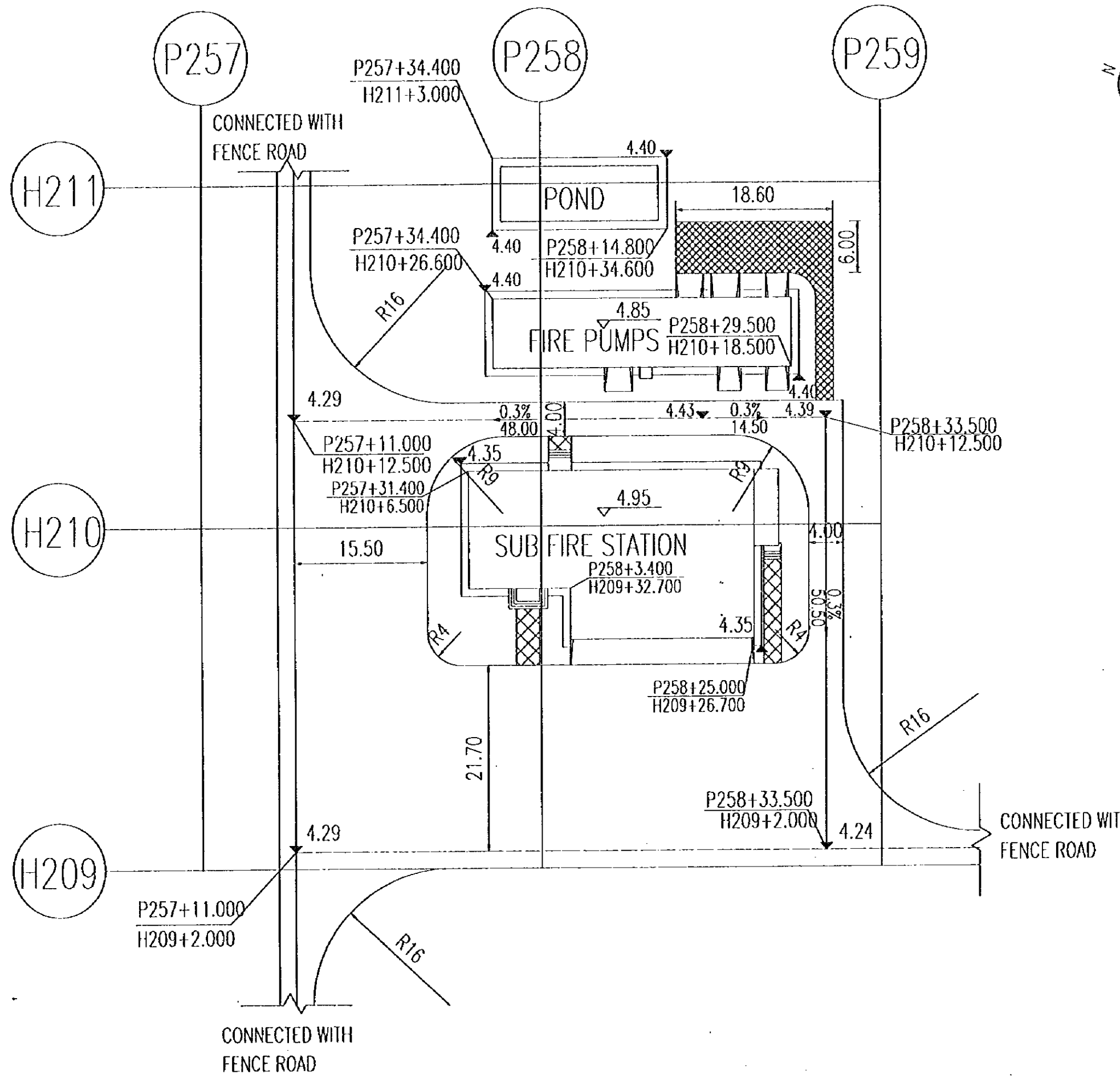
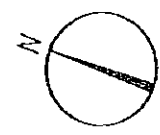
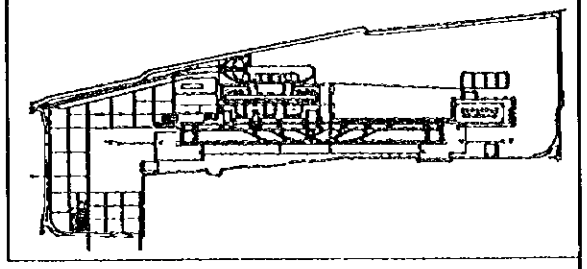
No.	Topping	Construction
		4. Fix 9 thick paper-gypsum by self-attached bolt (900X3000X9,1200X3000X9) 5. Stull meral lath concave 27X60X0.63,spacing as board width; 6. Medium-sized metal lath concave 27X60X0.63,spacing as 1/6 board length 7. Big metal lath concave 27X60X0.63(hanging point), spacing<1200 8.8 steel honger rod,two-way hanging point,spacing 900X1200 9.Built-in 6 iron in R.C.slab,two-way hanging point, spacing 900X1200
roof 1	Cement brick (with persons)	1.20 thick cement brick topping,dry cement pointing 10 wide joint to be provided at every 3mX6m,filling 1:3 cement mortar; 2. Spread plain cement(with appropriate water); 3.25 thick 107 cement mortar binder course(proportion ration: 1:3 cement mortar mixing 107 glue with water 15%); 4. Ternary ethylene-propylene rubber rolled material water-proof layer; 5. 20 thick 1:2.5 cement mortar levelling course; 6. Pave 1:8 cement perlite thermal insulation layer,lowest point:30,2%pitch,vibrating&tamping,polishing(exhaust channel,PVC exhaust dust to be provided with vent spacing of not more than 6ms as per Codes); 7. 20 thick 1:3 cement mortar levelling course; 8. R.C.slab
Roof 2	Small Stone Protection Layer (without persons)	1. Pave one layer of binded peastone of 3-6 in partical size; 2. Ternary ethylene-propylene rubber rolled material water-proof layer; 3. 20 thick 1:2.5 cement mortar levelling course; 4. Pave 1:8 cement perlite thermal insulation layer,lowest point:30,2%pitch,vibrating&tamping,polishing(exhaust channel,PVC exhaust dust to be provided with vent spacing of not more than 6ms as per Codes); 5. 20 thick 1:3 cement mortar levelling course; 6. R.C.slab
Exterior Wall 1	Facing Brick	1. 1:1 cement mortar (fine sand)pointing; 2. Paste 10 thick facing brick; 3. 12 thick 1:0.2:2 cement lime putty mortar course; 4. Brush one coat of plain wet cement(mixing 107 glue with water 3%-5%) ; 5. 8 thick 1:3 cement mortar priming,deburring or scotchng.
Exterior Wall 2	Coating	1. Brush emulsion paint(for exterior wall application); 2. 6 thick 1:2.5 cement mortar mopping,with pitting surface; 3. 12 thick 1:3 cement mortar priming,deburring or scotchng. 4. One coat of plain wet cement(mixing 107 glue with water 3%-5%)
Note:Outdoor stair construction-Floor 2,Exterior Wall2,Building Floor construction as per Stair Details Indoor window board-terrazzo		

BUILDING CONSTRUCTION TABLE

Name	Floor		Interior Wall		Skirt		Ceiling		Roof	Dado
	Topping	Construction	Topping	Construction	Topping	Construction	Topping	Construction	Construction	Construction
Corridor	Floor brick	Floor 3	Coating	Interior Wall 1	Facing bricking	Skirt 2	Gypsum board	Ceiling 2		Dado 1
Bedspread&Clothing Storage	Floor brick	Floor 3	Coating	Interior Wall 1	Facing bricking	Skirt 2	Gypsum board	Ceiling 2		Dado 1
Battery Room	Floor brick	Floor 6	Coating	Interior Wall 1	Facing bricking	Skirt 2	Gypsum board	Ceiling 2		Dado 1
Power Room	Cement	Floor 2	Coating	Interior Wall 1	Cement	Skirt 1	Gypsum board	Ceiling 2		
Hot Water Room	Floor brick	Floor 4	Coating	Interior Wall 1			Coating	Ceiling 1		
Repair Room	Floor brick	Floor 3	Coating	Interior Wall 1	Facing bricking	Skirt 1	Gypsum board	Ceiling 2		Dado 1
Men's WC	Floor brick	Floor 4	Facing bricking	Interior Wall 2			Gypsum board	Ceiling 2		
Dining Room	Floor brick	Floor 3	Coating	Interior Wall 1	Facing bricking	Skirt 2	Gypsum board	Ceiling 2		Dado 1
Cleaning Room	Floor brick	Floor 4	Facing bricking	Interior Wall 2			Gypsum board	Ceiling 2		
Drying Room	Floor brick	Floor 4	Facing bricking	Interior Wall 2			Gypsum board	Ceiling 2		
Equipment Room	Floor brick	Floor 3	Coating	Interior Wall 1	Facing bricking	Skirt 2	Gypsum board	Ceiling 2		Dado 1
Pool Storage	Floor brick	Floor 3	Coating	Interior Wall 1	Facing bricking	Skirt 2	Gypsum board	Ceiling 2		Dado 1
Training Room	Wooden floor	Floor 5	Coating	Interior Wall 1	Facing bricking	Skirt 2	Gypsum board	Ceiling 2		Dado 1
Locker Room	Floor brick	Floor 4	Facing bricking	Interior Wall 2			Gypsum board	Ceiling 2		
Both Room	Floor brick	Floor 4	Facing bricking	Interior Wall 2			Gypsum board	Ceiling 2		
Garage	Cement	Floor 1	Coating	Interior Wall 1	Cement	Skirt 1	Coating	Ceiling 1	Roof 1	Dado 1
Fireman's Lodging	Floor brick	Building Floor1	Coating	Interior Wall 1	Facing bricking	Skirt 2	Gypsum board	Ceiling 2	Roof 2	Dado 1
Lavatory	Floor brick	Building Floor2	Facing bricking	Interior Wall 2			Gypsum board	Ceiling 2	Roof 2	
Men's WC	Floor brick	Building Floor2	Facing bricking	Interior Wall 2			Gypsum board	Ceiling 2	Roof 2	
Reading Room	Wooden floor	Building Floor4	Coating	Interior Wall 1	Facing bricking	Skirt 2	Gypsum board	Ceiling 2	Roof 2	Dado 1
Officer's office & Lodging	Floor brick	Building Floor1	Coating	Interior Wall 1	Facing bricking	Skirt 2	Gypsum board	Ceiling 2	Roof 2	Dado 1
Storage Room	Floor brick	Building Floor1	Coating	Interior Wall 1	Facing bricking	Skirt 2	Gypsum board	Ceiling 2	Roof 2	Dado 1
Chemical Mixing & Storage	Floor brick	Building Floor3	Coating	Interior Wall 1	Facing bricking	Skirt 2	Gypsum board		Roof 2	Dado 1

DOOR & WINDOW TABLE

NO.	Type	Opening Size(WXH)	Standard Dwg	Number		Remark
				1st floor	2st floor	
C - 1	Aluminum alloy sliding window	1800 X 1800	92SJ713(≡)P4,18	3	11	
C - 2	Aluminum window	600 X 1800	92SJ712(≡)P7,11	10		
C - 3	Aluminum window	1500 X 600	92SJ712(≡)P7,57	7	2	
C - 4	Aluminum window	600 X 1500	92SJ712(≡)P7,9	2		
C - 5	Aluminum alloy sliding window	1500 X 1800	92SJ713(≡)P6,30	1	4	
M - 1	Sandwich door	1000 X 2400	CJ655(-)P7,M2-1024	10	12	
M - 2	Sandwich door	1200 X 2700	CJ655(-)P7,M2-1227	5	1	
M - 3	Aluminum alloy door	1800 X 2700	92SJ605(-)P5,111	1		
M - 4	Steel wooden door	3900 X 4200	J643 P5M12-3942	2		
M - 5	Steel wooden door	4500 X 4500	see J643 P5M12-3942	2		red
M - 6	Sandwich door	900 X 2100	CJ655(-)P7,M2-0921		4	red
M - 7	Aluminum alloy door	1200 X 2700	92SJ605(-)P5,95	1	2	



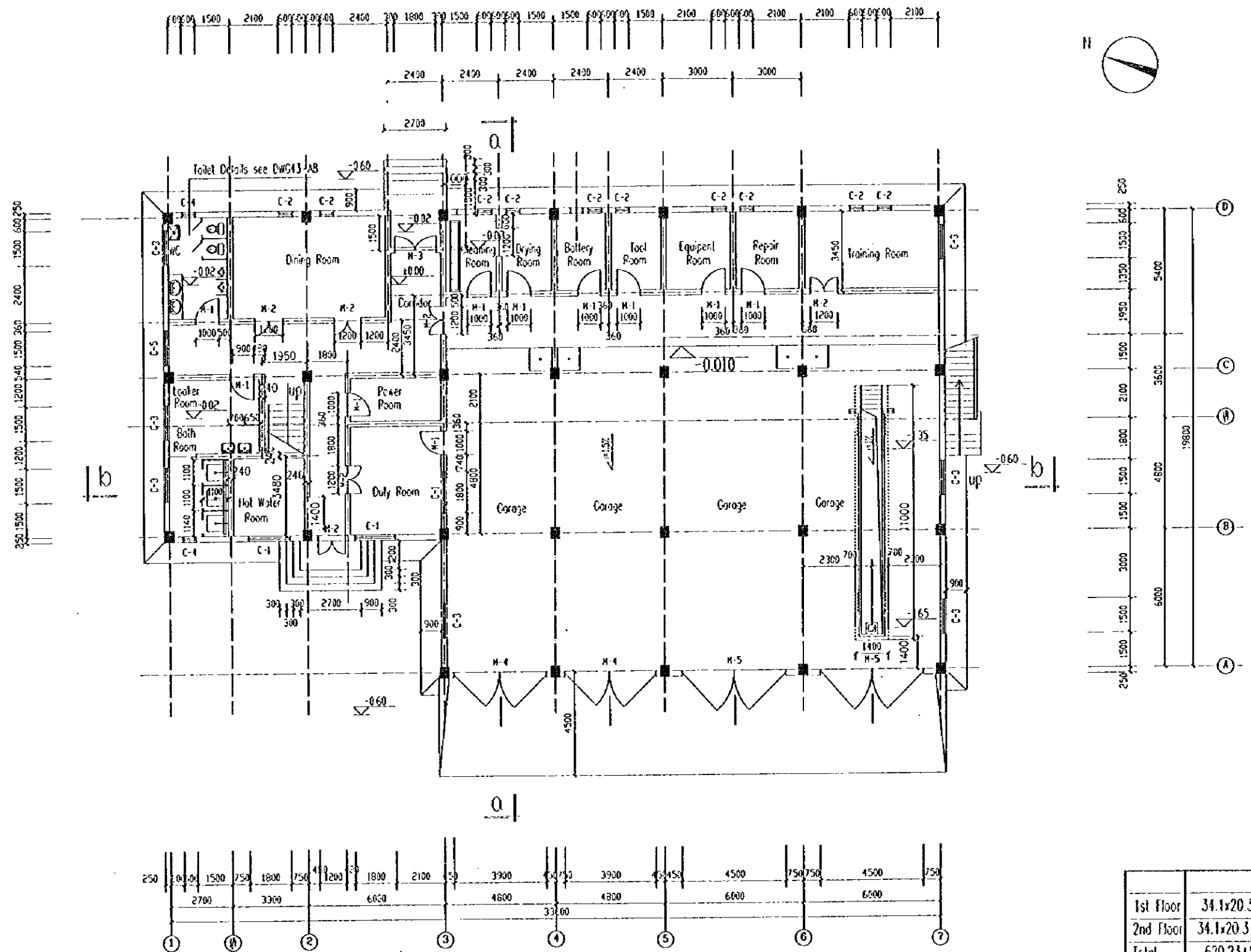
LEGEND

- SIDE WALK
- BUILDING
- PAVEMENT OF CONCRETE PRE-CAST BLOCK
- DRAIN TANK
- BOUNDARY WALL
- ∇_{25} ELEVATION OF IN-DOOR
- ∇_{45} ELEVATION OF LEVELLE GROUND OR ELEVATION OF ROAD INCLINED POINT
- $\frac{1.5\%}{48.00}$ LONGITUDINAL SLOPE OF ROAD(%)
SLOPE LENGTH(M)

NOTE

Refer to DWG41-A16 for paving works

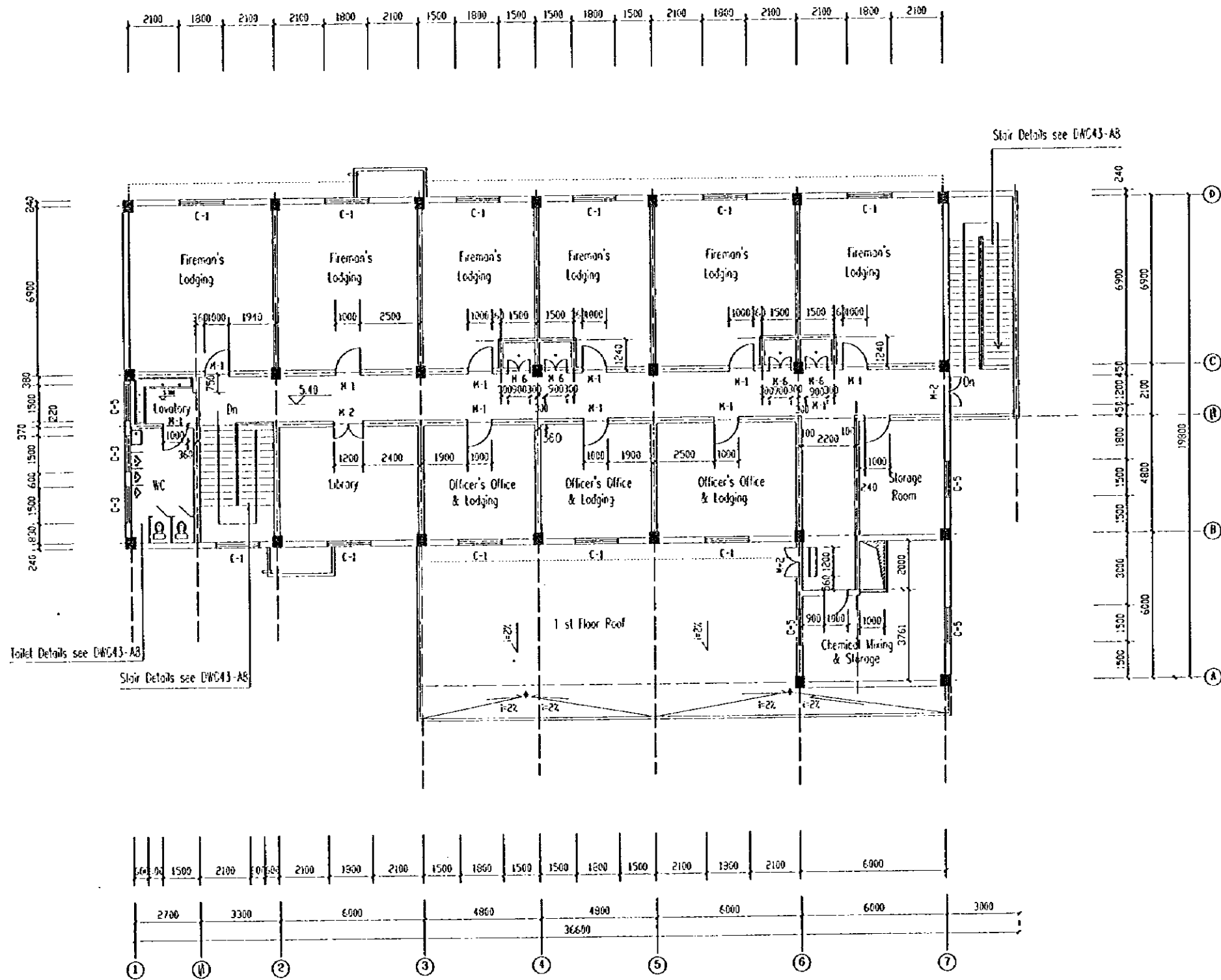
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
PLOT PLAN FOR SUB FIRE STATION	
SCALE	DWG 43-A3
JAPAN INTERNATIONAL COOPERATION AGENCY	



	Area
1st Floor	34.1x20.3-12x6=620.23m ²
2nd Floor	34.1x20.3-27.6x6=526.63m ²
Total	620.23+526.63=1146.86m ²

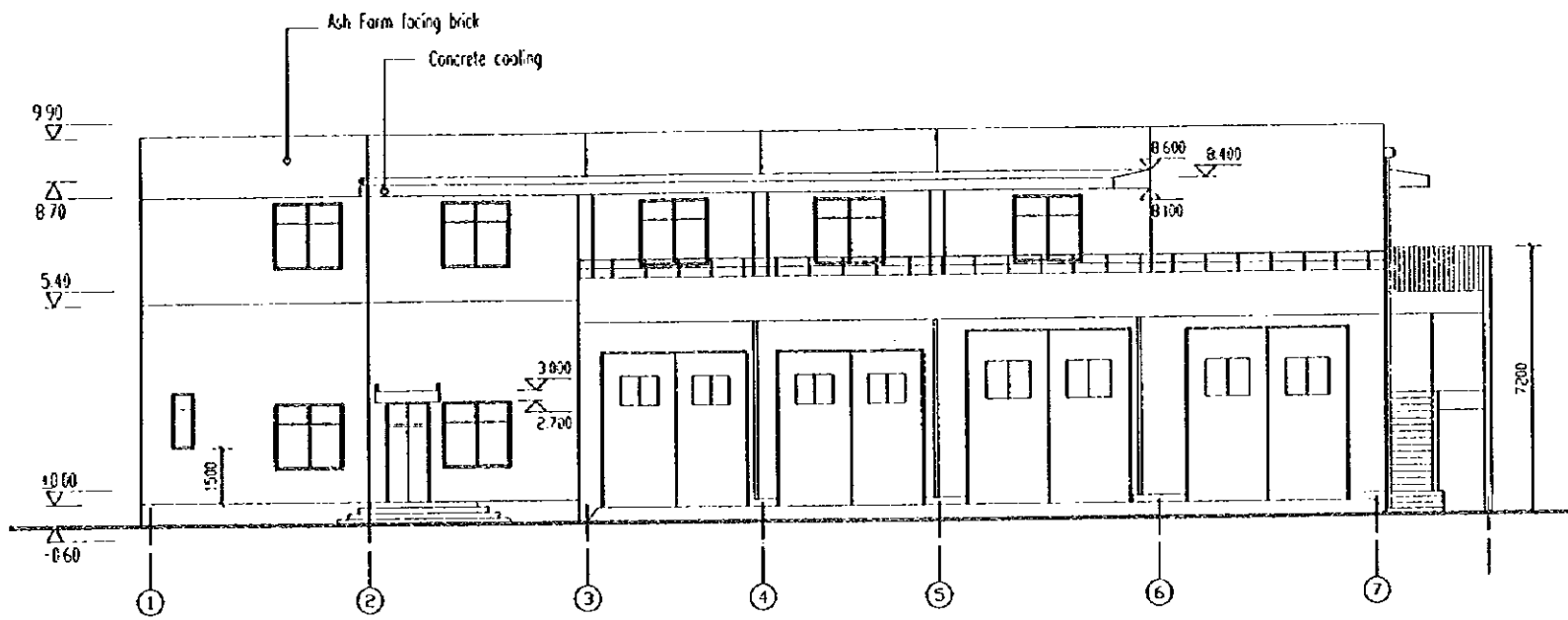
1st FLOOR PLAN 1:100

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
1st FLOOR PLAN	
SCALE	DWG 43-A4
JAPAN INTERNATIONAL COOPERATION AGENCY	

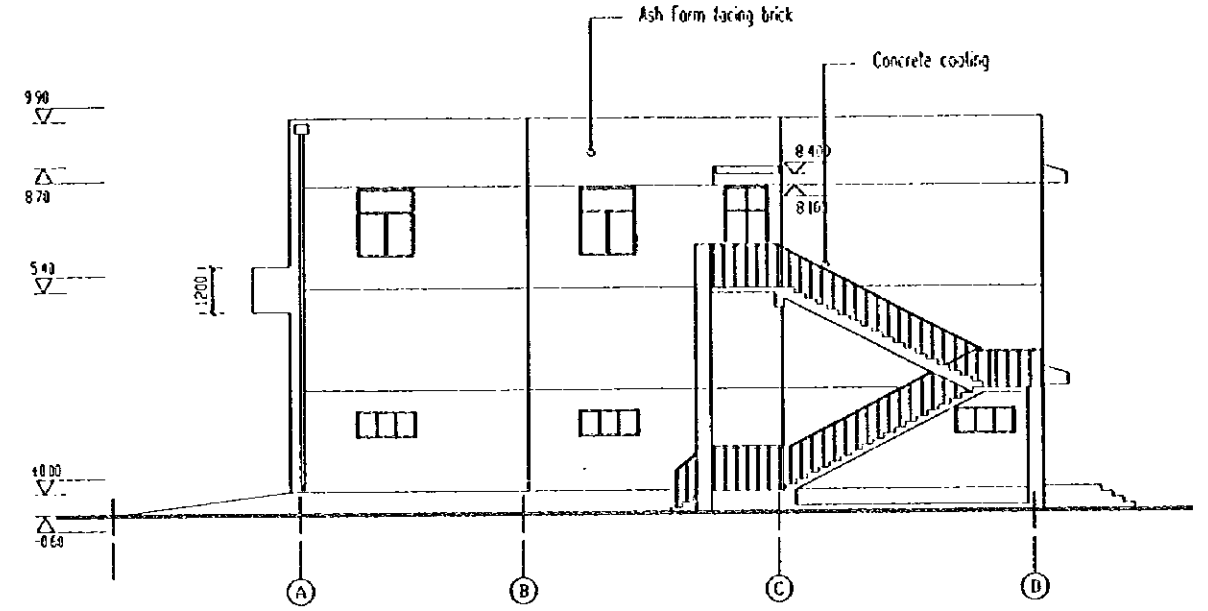


2nd FLOOR PLAN 1:100

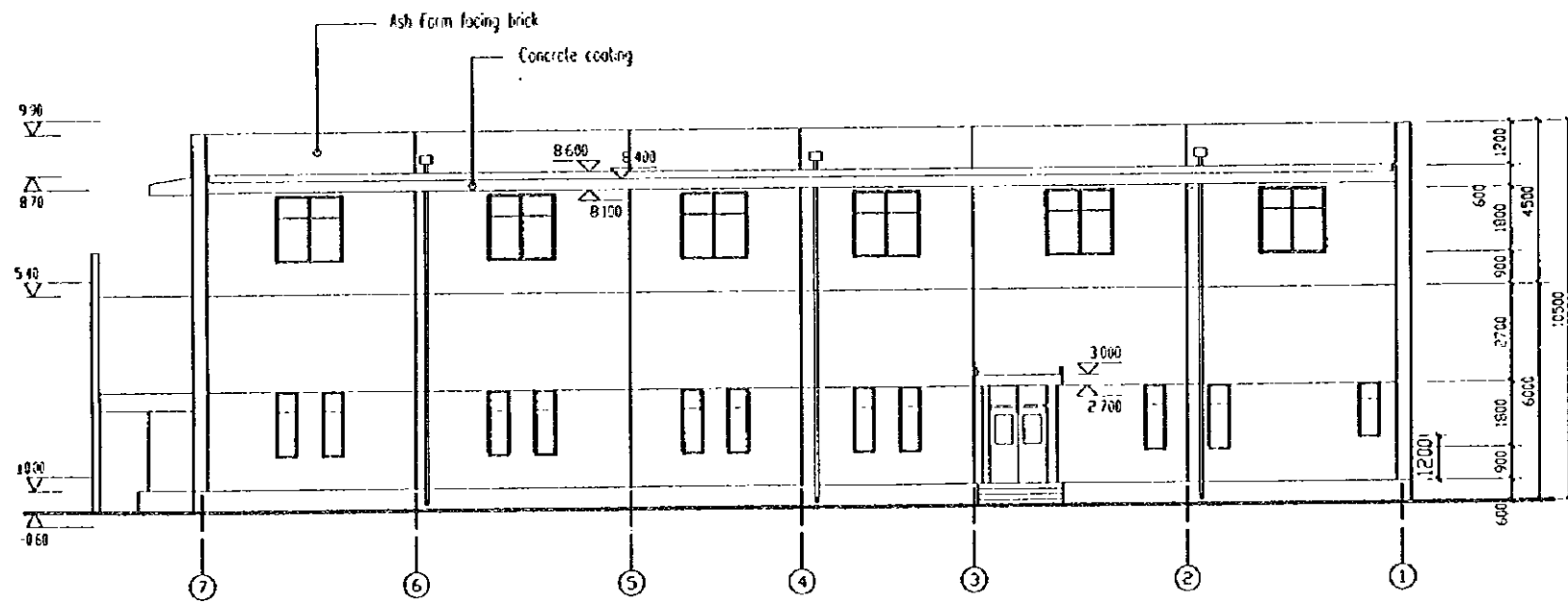
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
2nd FLOOR PLAN	
SCALE	DWG 43-A5
JAPAN INTERNATIONAL COOPERATION AGENCY	



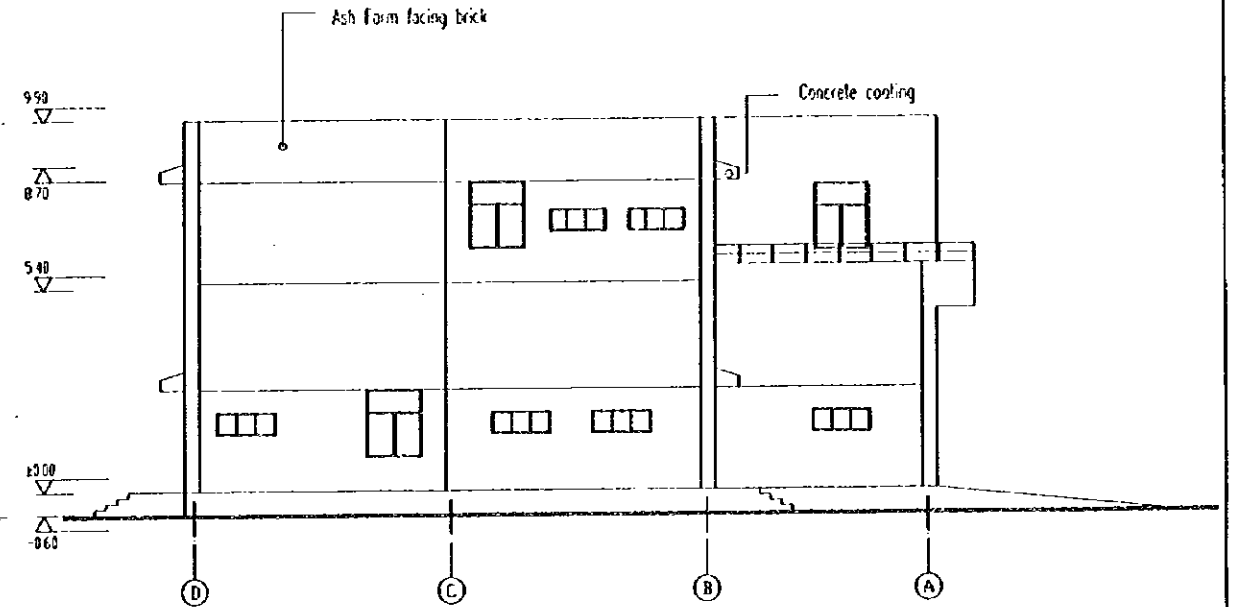
①-⑦ ELEVATION



①-④ ELEVATION

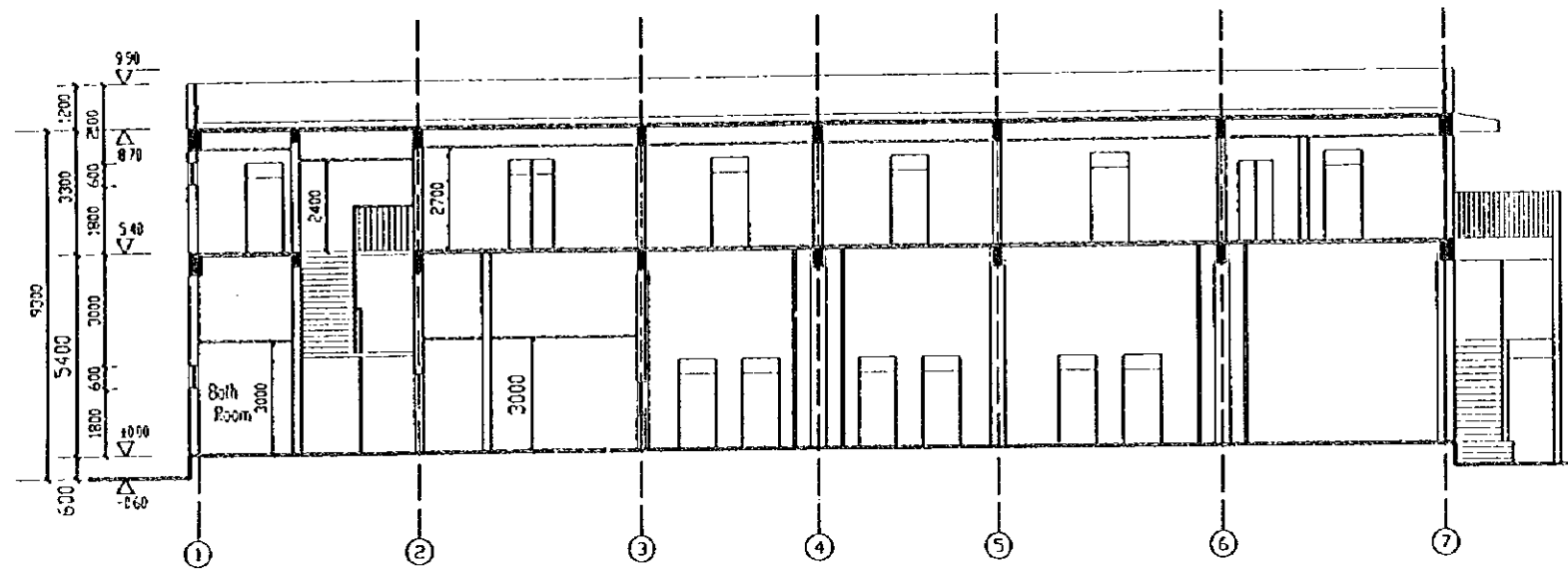


⑦-① ELEVATION

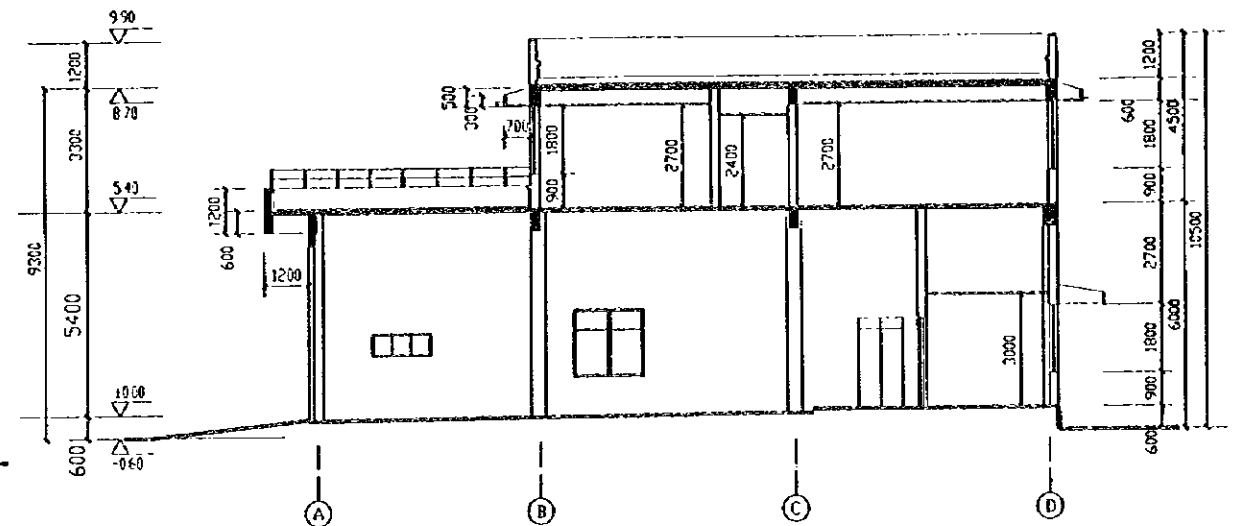


④-① ELEVATION

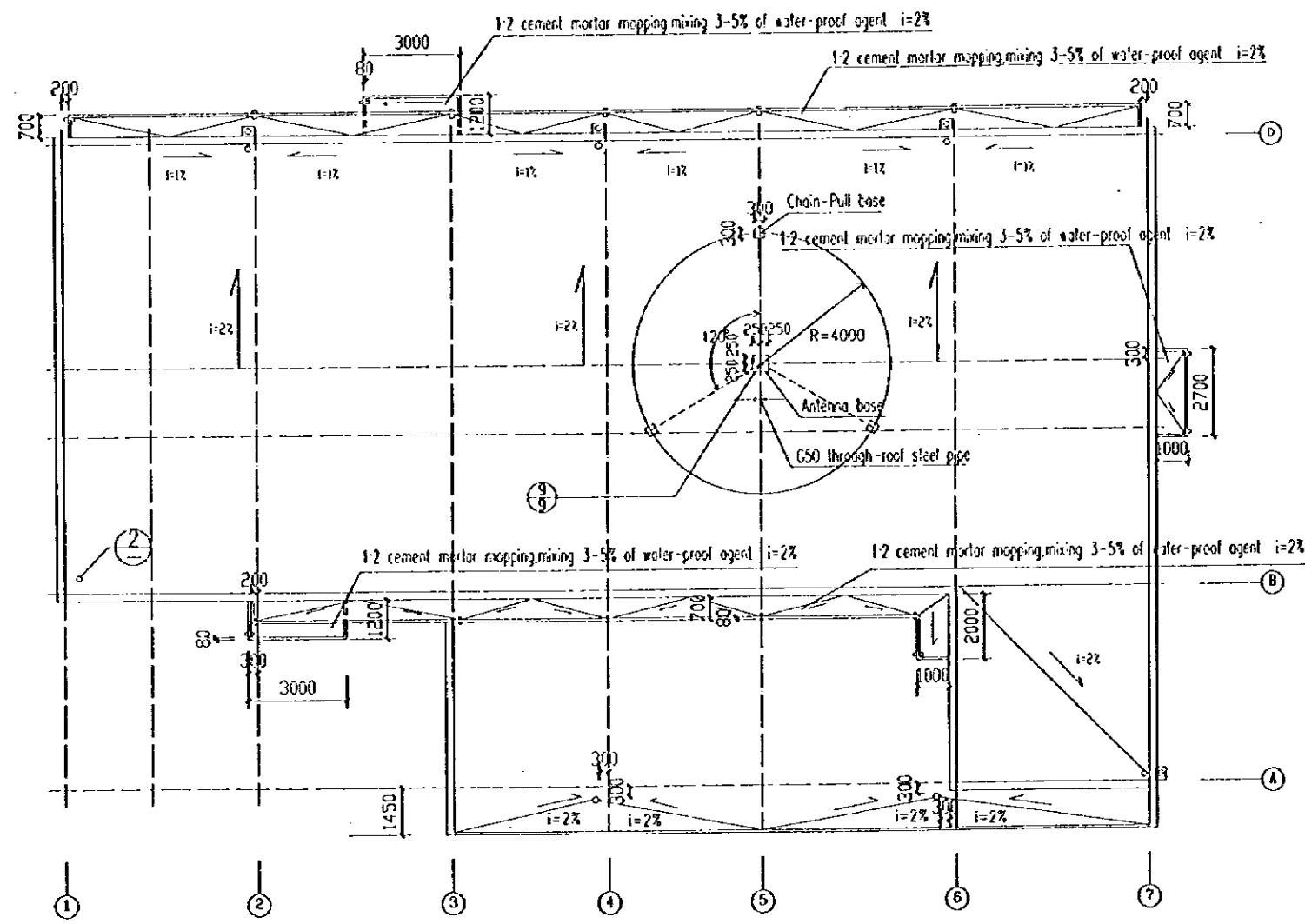
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
ELEVATIONS	
SCALE	DWG 43-A5
JAPAN INTERNATIONAL COOPERATION AGENCY	



B-B SECTION 1:100

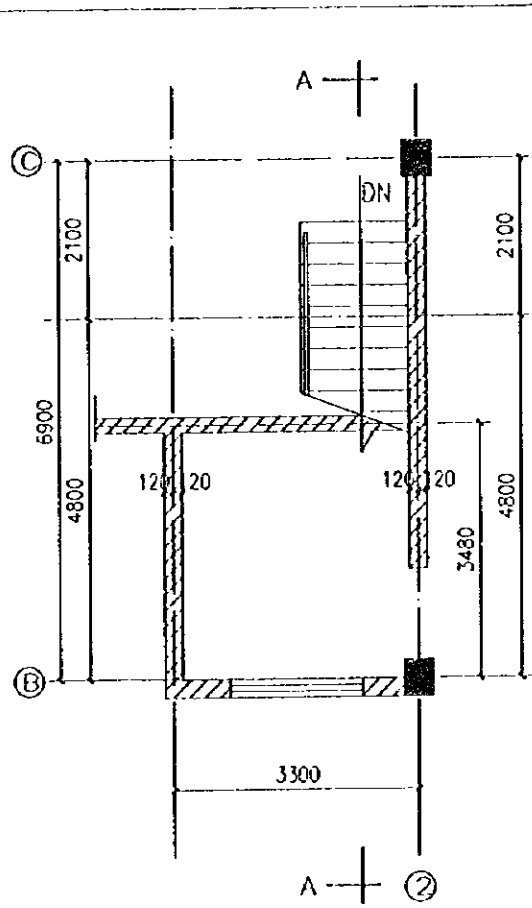


A-A SECTION 1:100

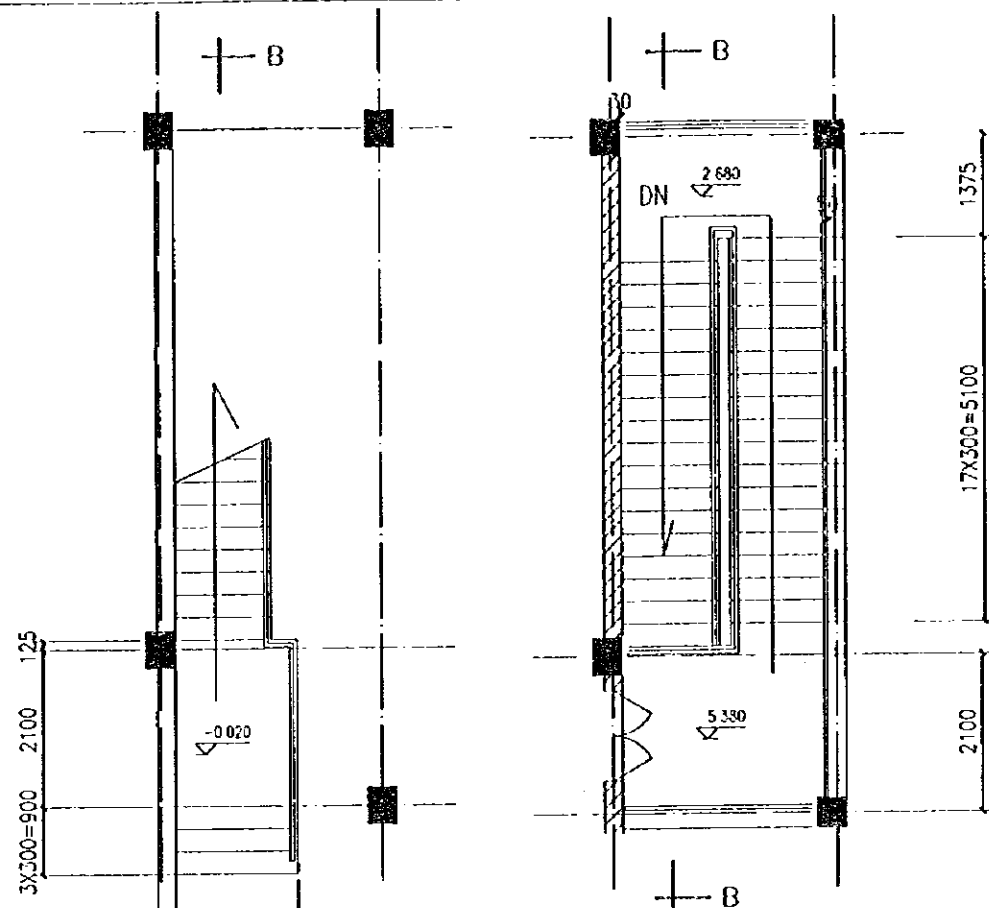


ROOF PLAN 1:100

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
SECTIONS AND ROOF PLAN	
SCALE	DWG 43-A7
JAPAN INTERNATIONAL COOPERATION AGENCY	

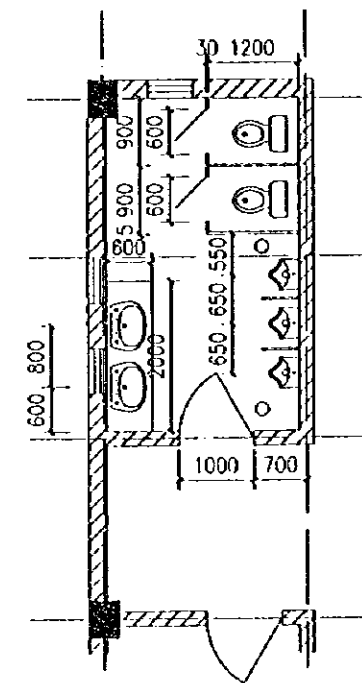


NO.1 1st FLOOR PLAN 1:50

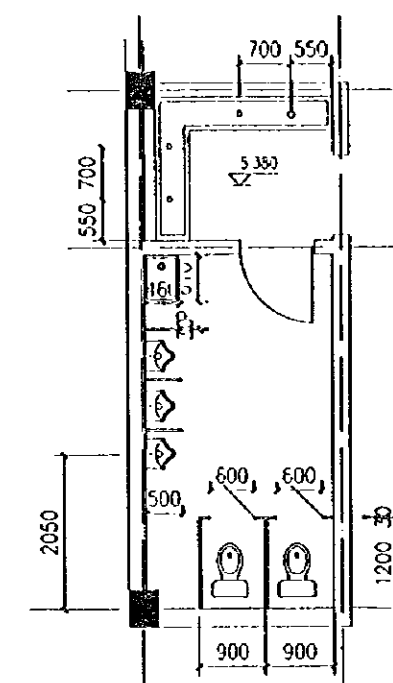


NO.2 1st FLOOR PLAN 1:50

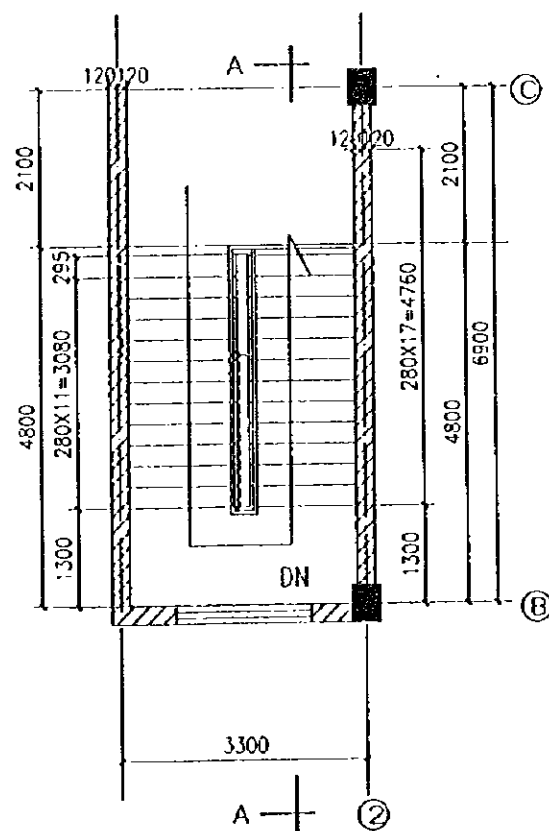
NO.2 2nd FLOOR PLAN 1:50



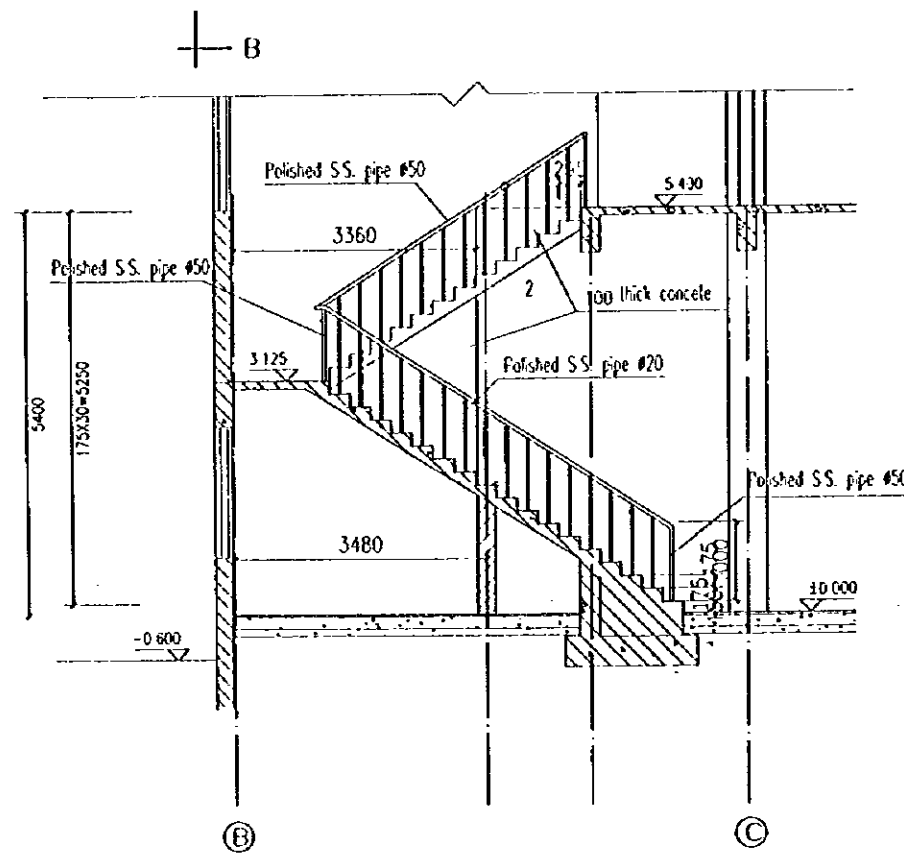
1st FLOOR TOILET DETAIL 1:50



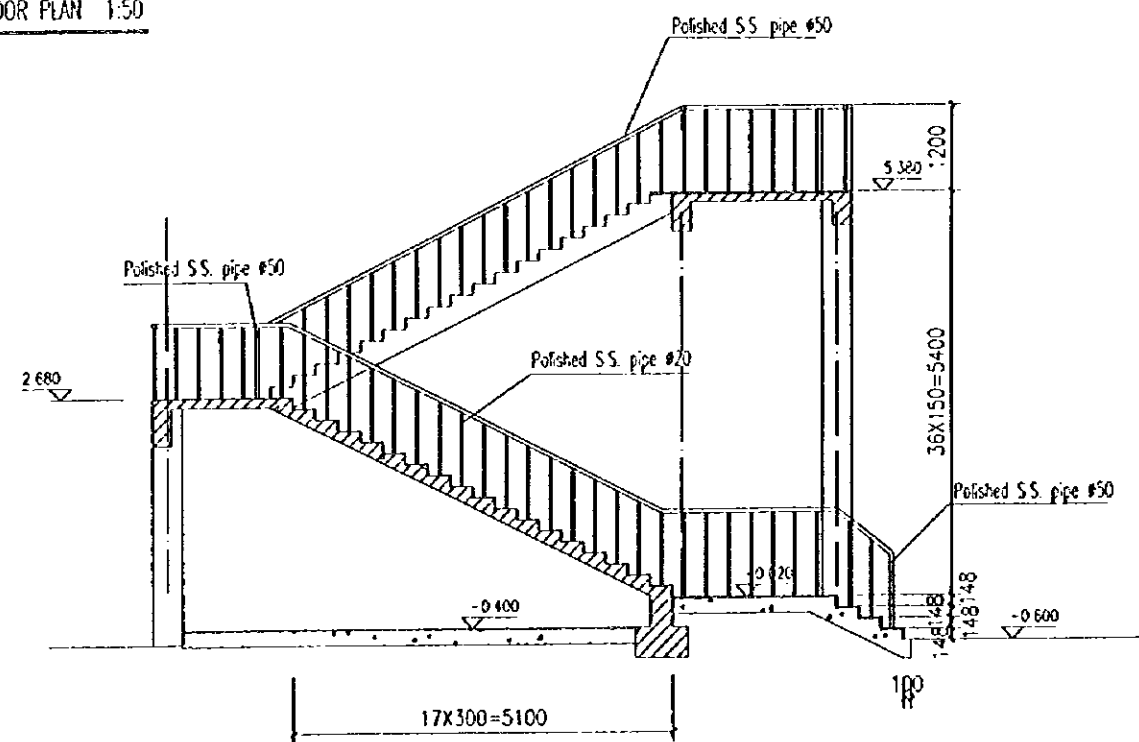
2nd FLOOR TOILET PLAN 1:50



NO.1 2nd FLOOR PLAN 1:50

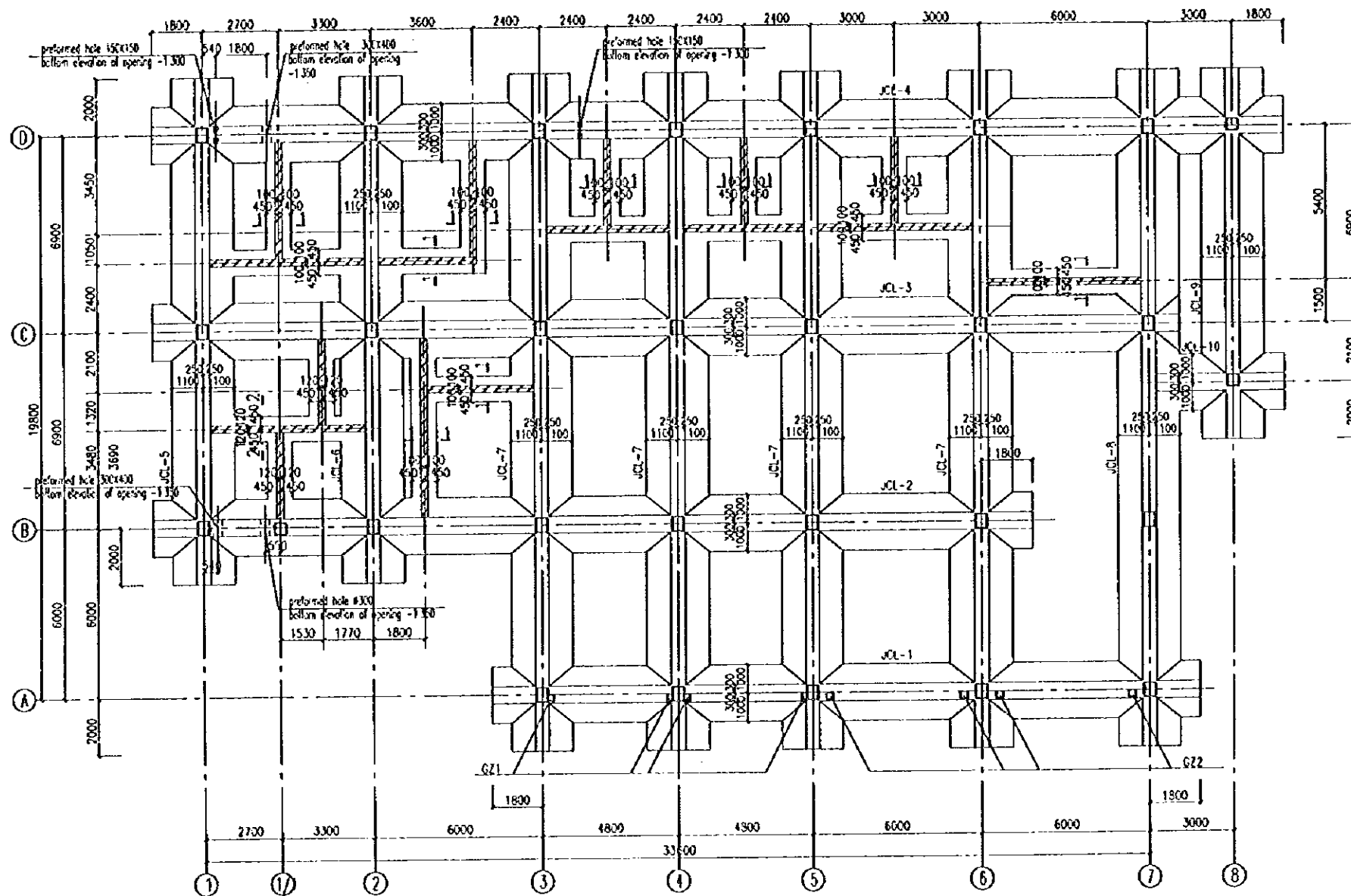


A-A SECTION 1:50

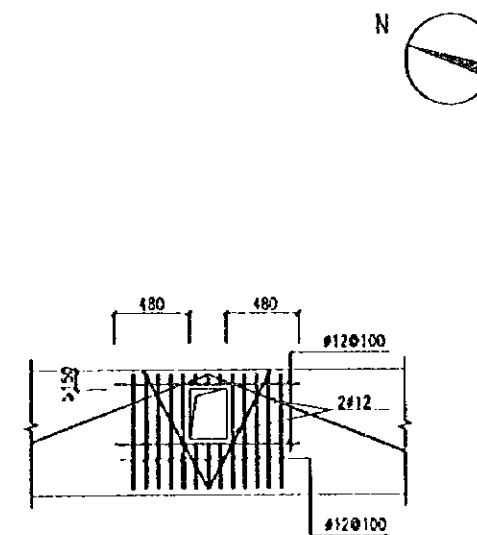


B-B SECTION 1:50

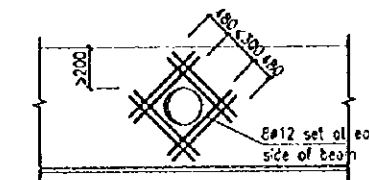
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
DETAILS OF STAIR AND TOILET	
SCALE	DWG 43-A8
JAPAN INTERNATIONAL COOPERATION AGENCY	



Foundation Plan Layout 1:10



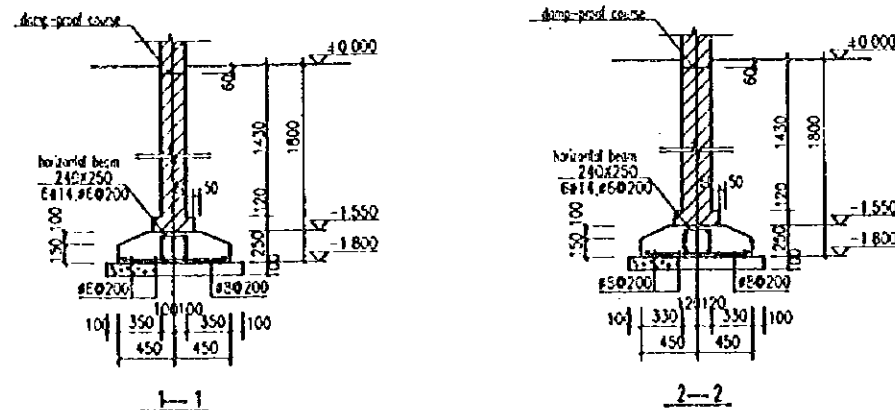
rebar consolidation drawing of square hole above beam 1:30



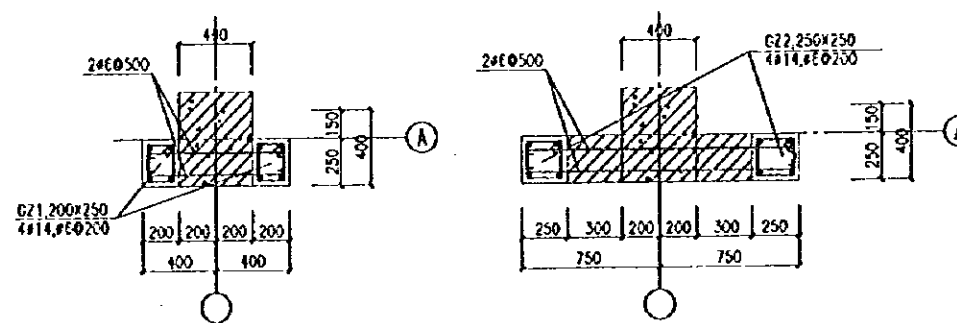
rebar consolidation drawing of circle hole above beam 1:30

Note:

- For this project, 10.000 equals to absolute elevation 4.950.
- The seismic intensity of this project is 7, base load-bearing capacity standard value=90kpa.
2-1 layer brown yellow sily clay will be the bearing course and check the foundation subsoil after excavation.
- Material:
others C25 bedcourse C10 plain concrete.
Reinforcing steel :----refers to Grade II, ---refers to Grade I.
partition: exterior partition: 240thick perforated clay bricks
interior partition: 200thick macroporous bricks
- Concrete protection layer thickness: 35mm for columns and beams under ± 0.000
25mm for columns and beams above ± 0.000 , 15mm for slab.
- construction of damp-proof course:
1:2 cement mortar plus 5% waterproofing powder, elevation: -0.060
- See CG329 for seismic construction.
- Foundation construction should coordinate with drawings of water, electric and telecommunication, and pay attention to upper and lower parts of main bar in upright of door frame shall go 50d each into frame beam and foundation beam

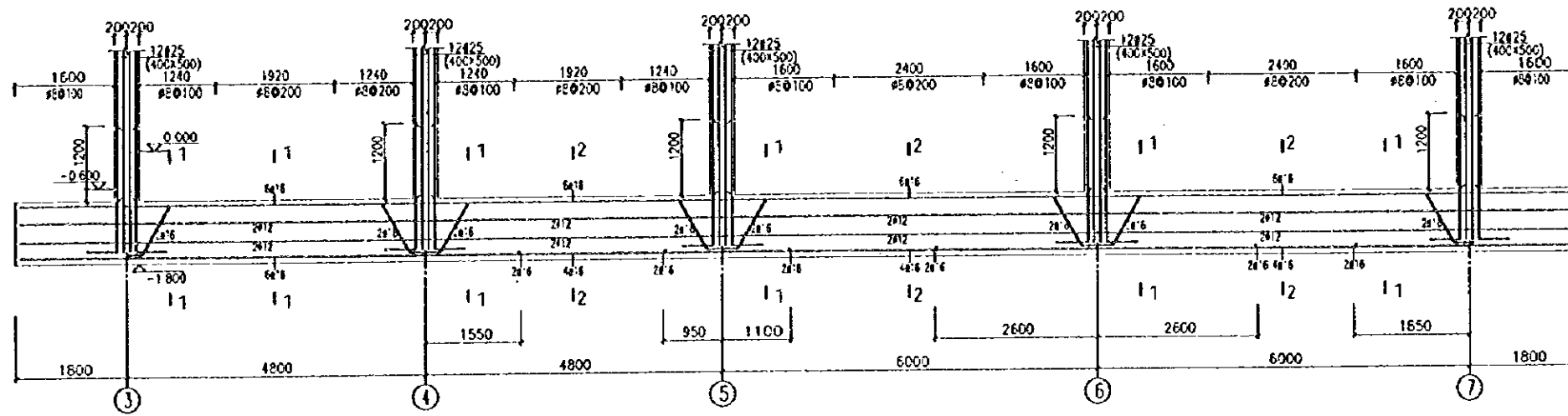


Foundation Detail 1:30

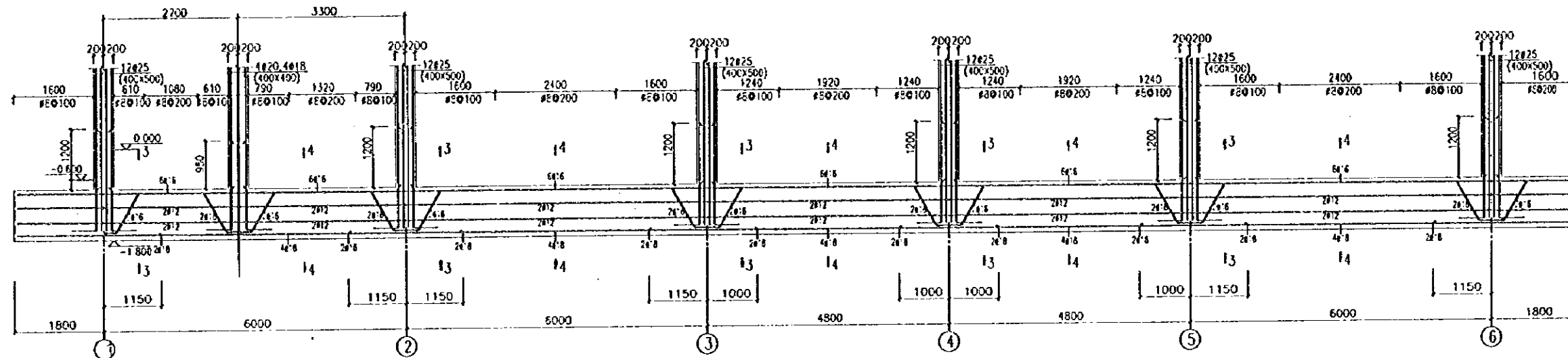


rebar sketch of GZ1 and GZ2 1:20

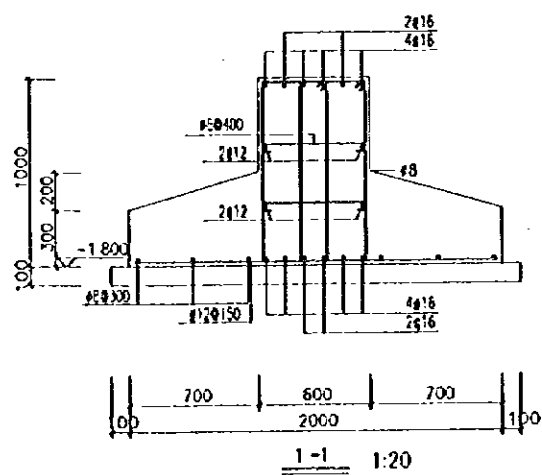
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
FOUNDATION PLAN LAYOUT AND DETAILS	
NO SCALE	DW43-S1
JAPAN INTERNATIONAL COOPERATION AGENCY	



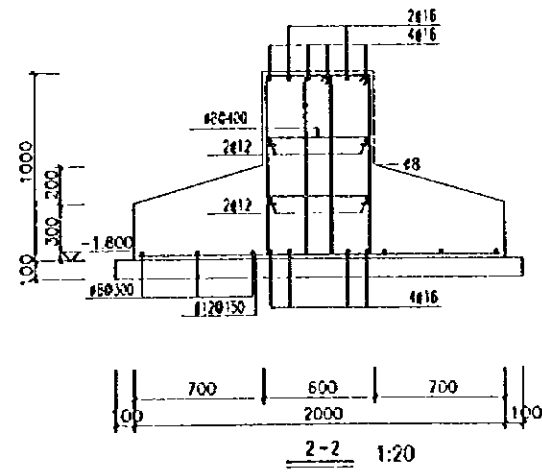
JCL-1



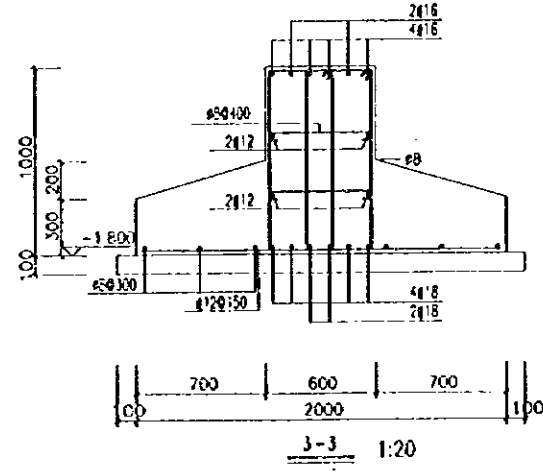
JCL-2



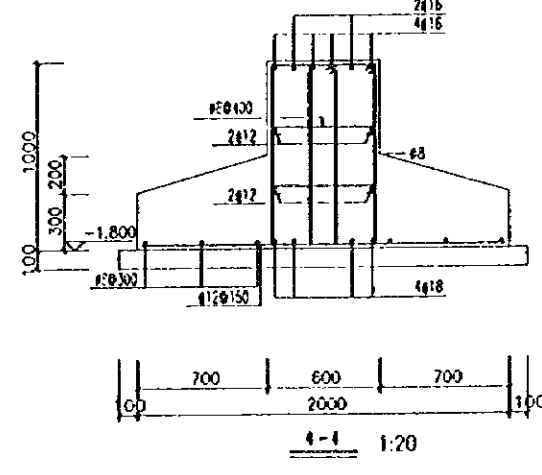
1-1 1:20



2-2 1:20

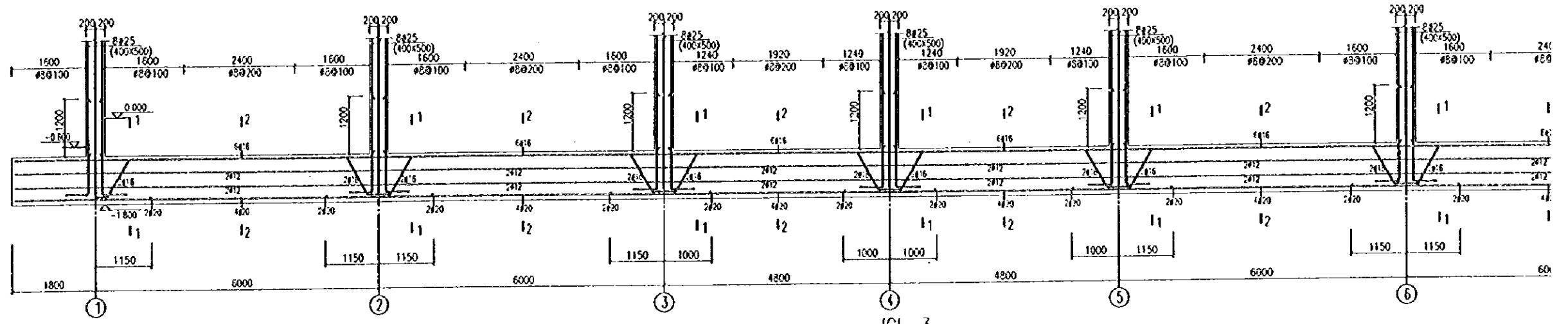


3-3 1:20

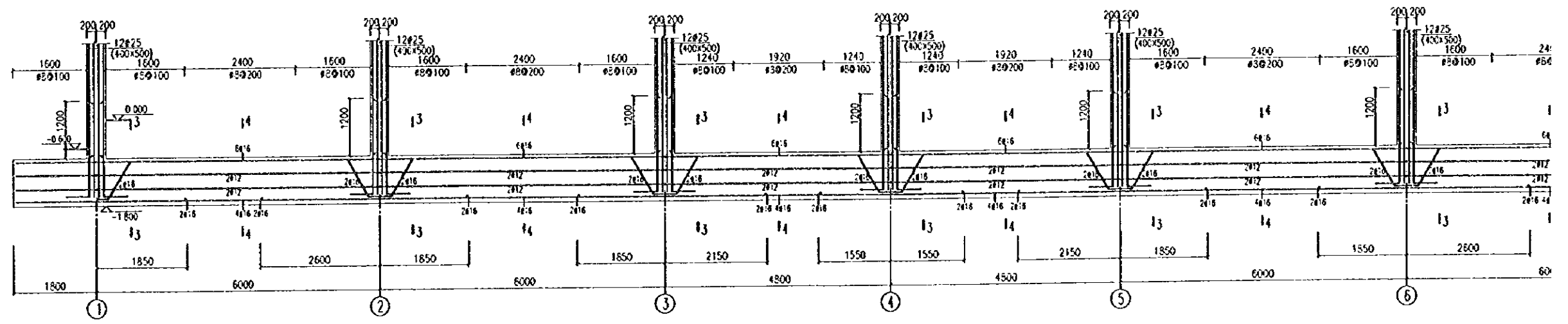


4-4 1:20

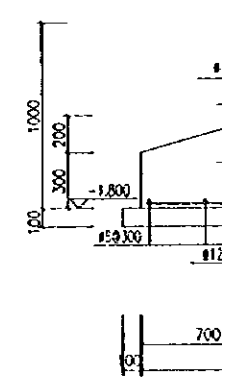
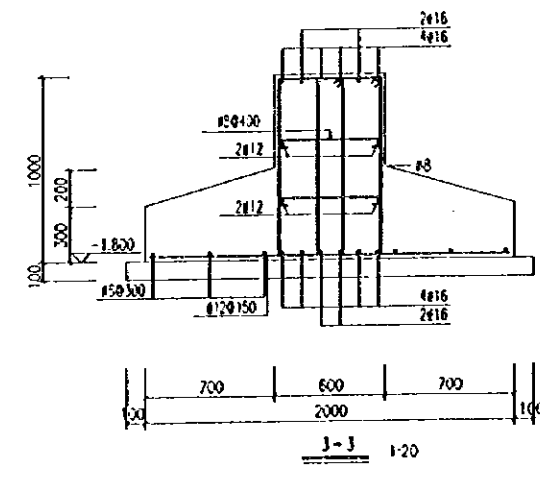
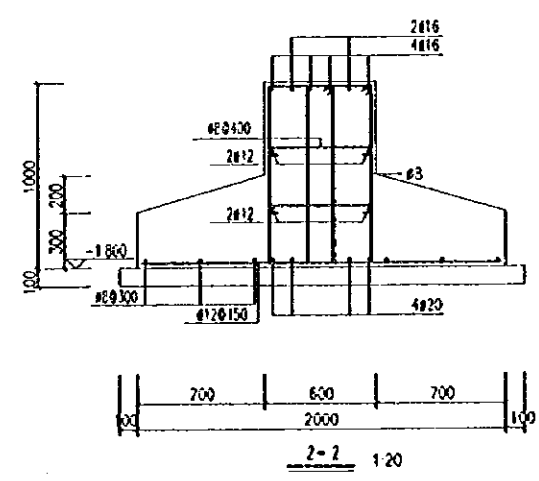
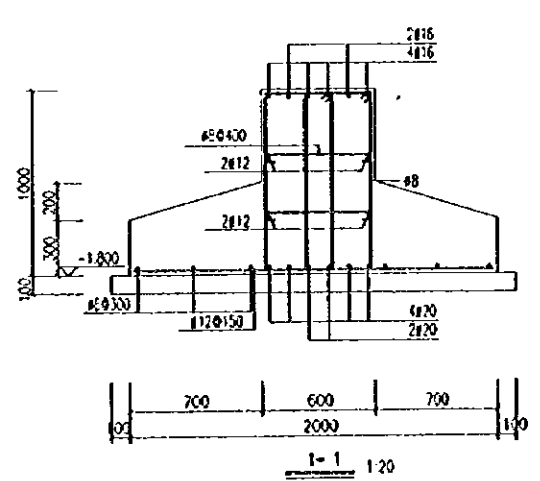
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
FOUNDATION REINFORCEMENT DETAILS (I)	
SCALE 1:20	DWG 43-52
JAPAN INTERNATIONAL COOPERATION AGENCY	

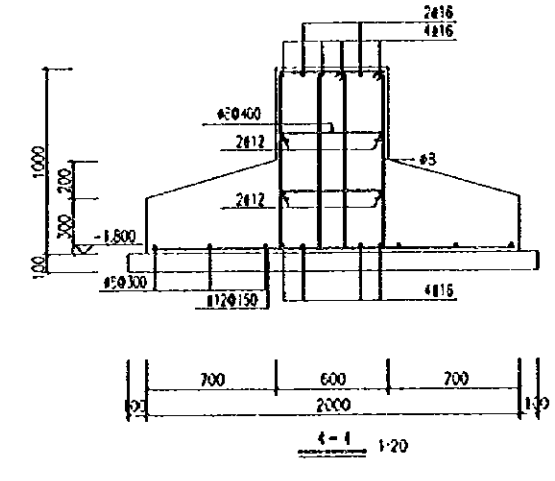
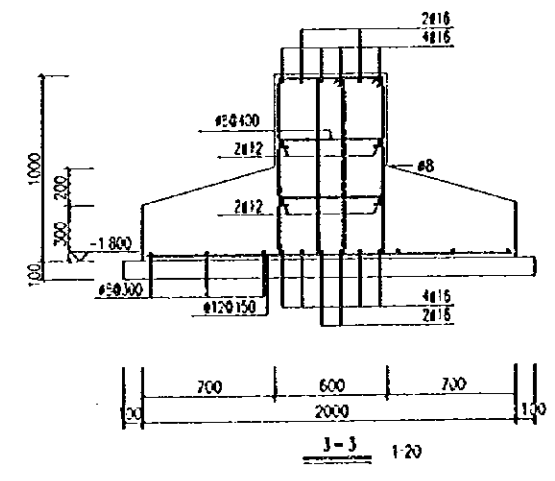
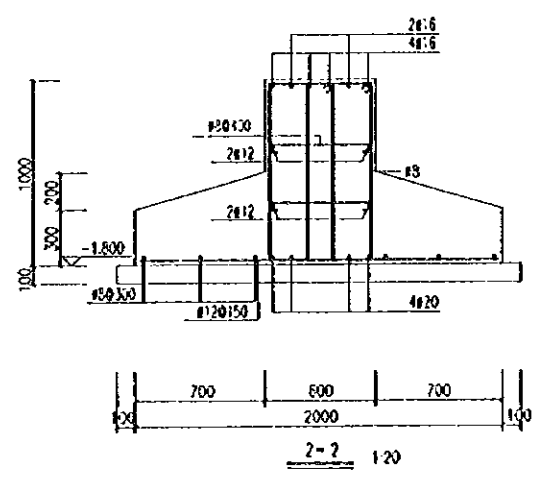
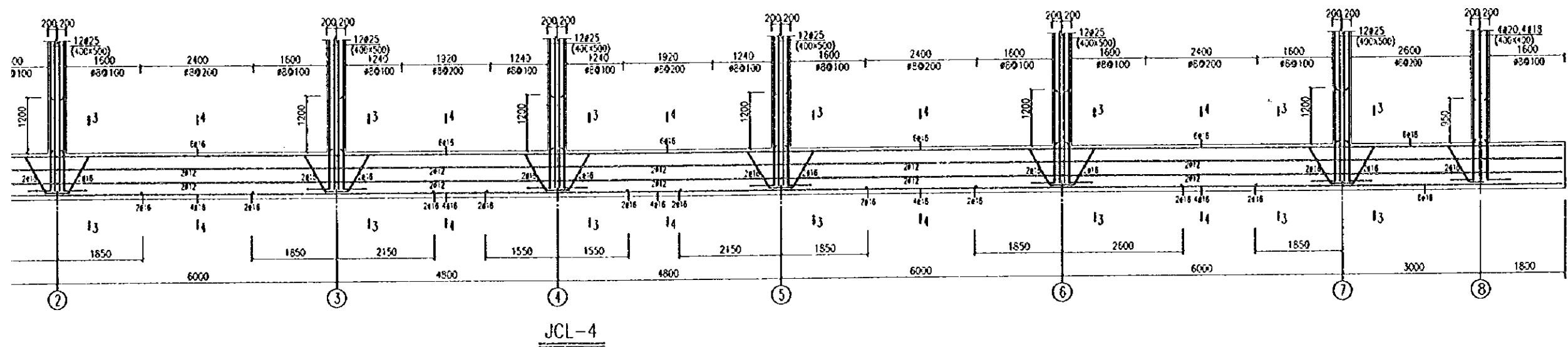
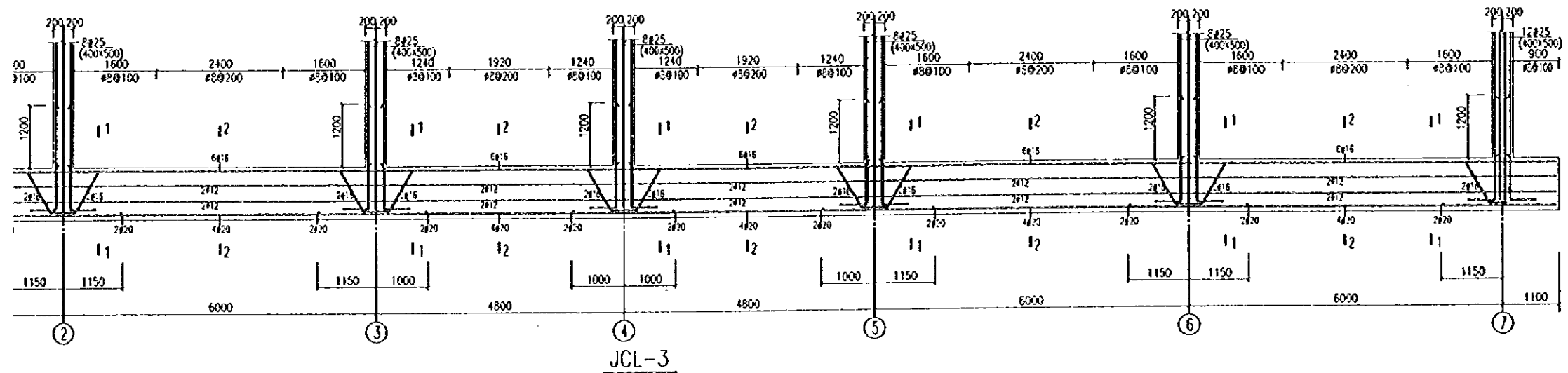


JCL-3

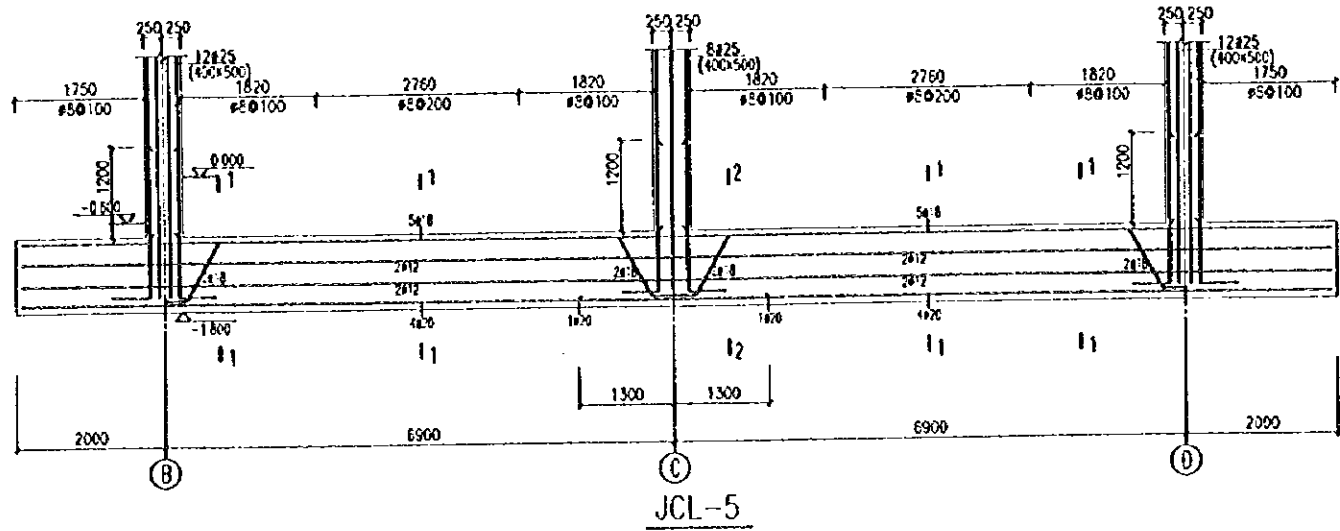


JCL-4

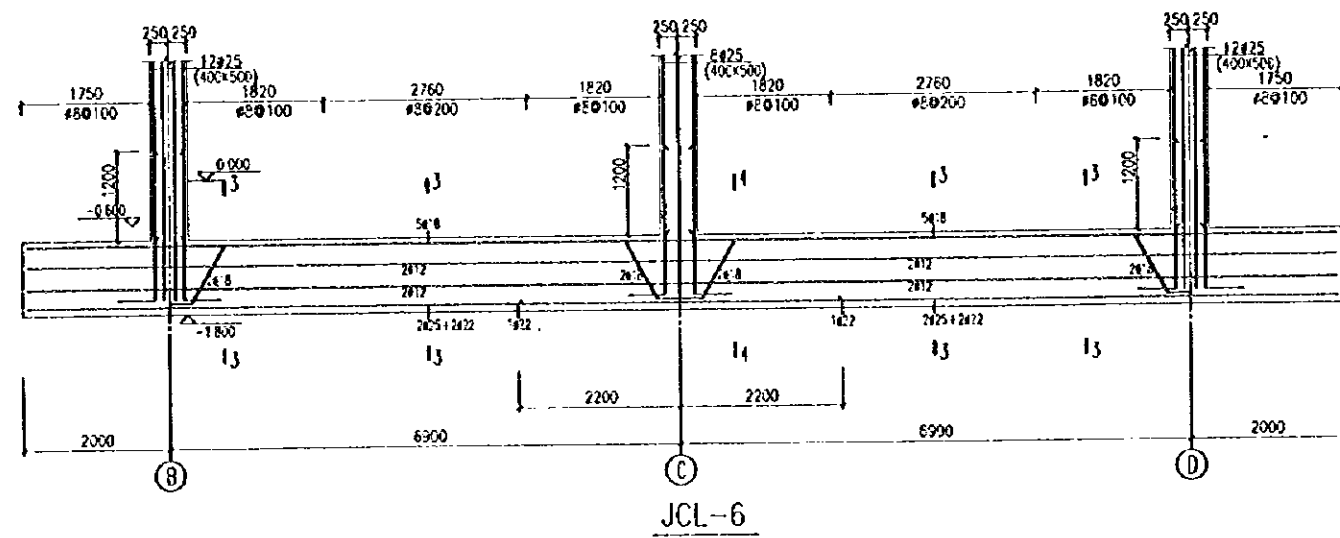




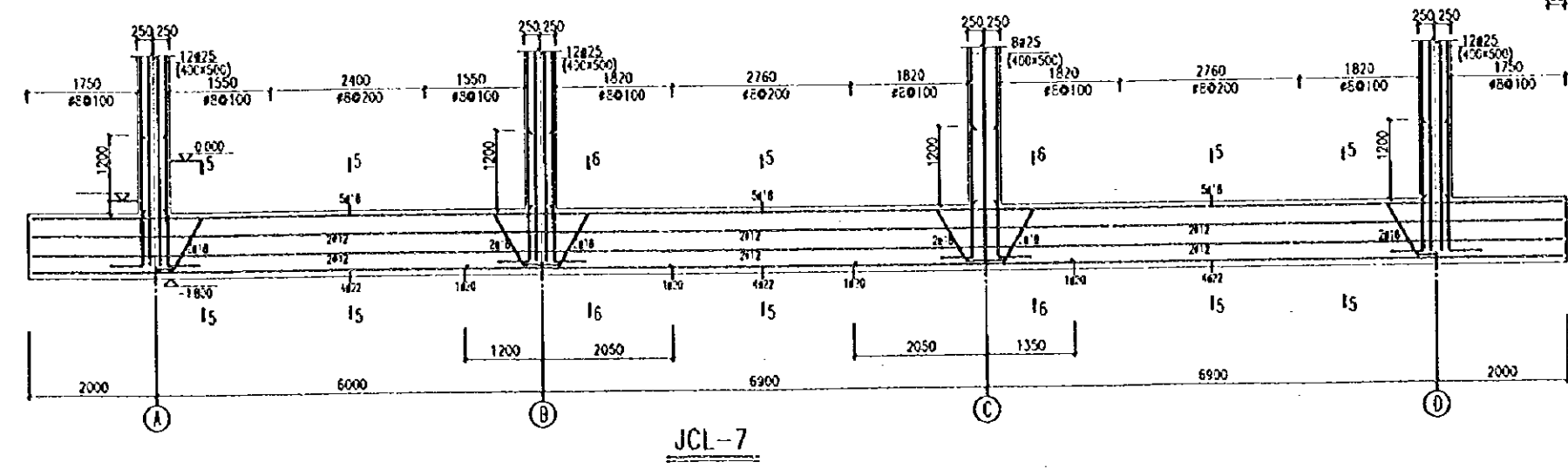
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
FOUNDATION REINFORCEMENT DETAILS (2)	
SCALE 1:20	DWG 43-S3
JAPAN INTERNATIONAL COOPERATION AGENCY	



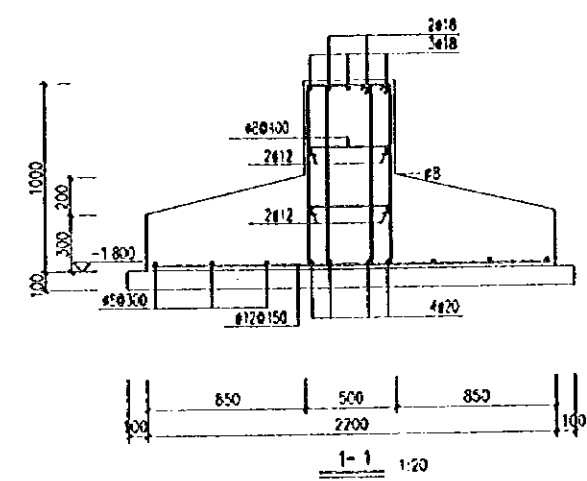
JCL-5



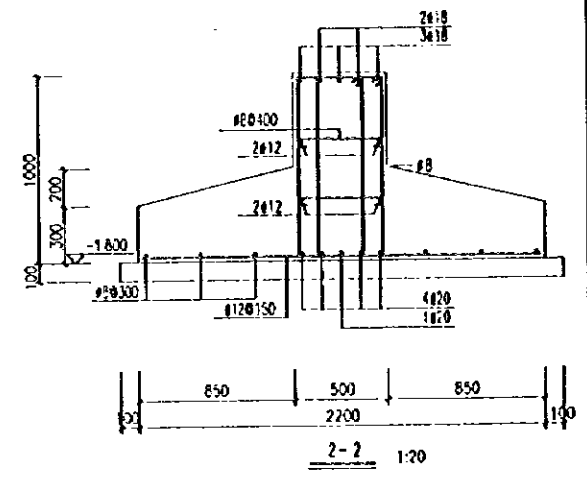
JCL-6



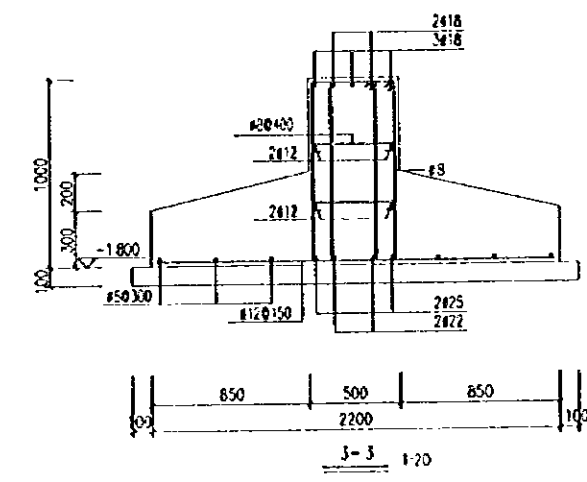
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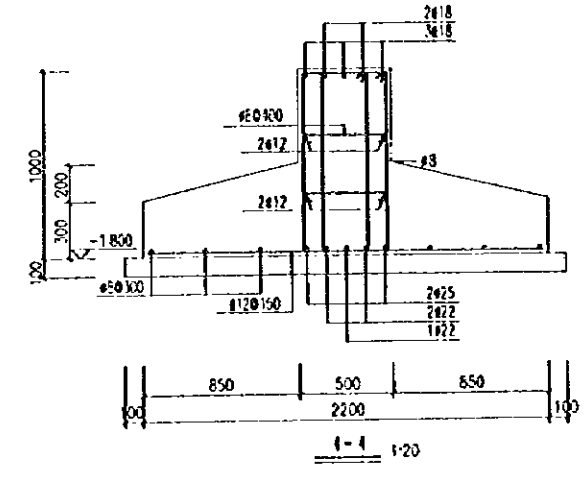
1-1 1:20



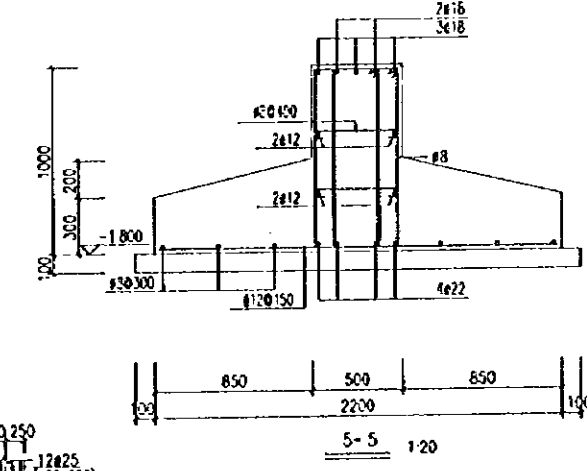
2-2 1:20



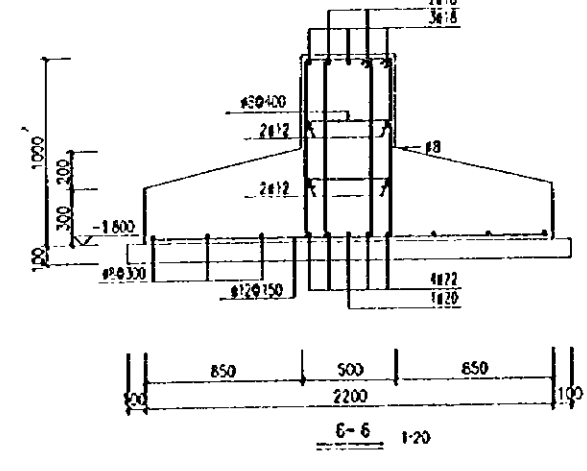
3-3 1:20



4-4 1:20

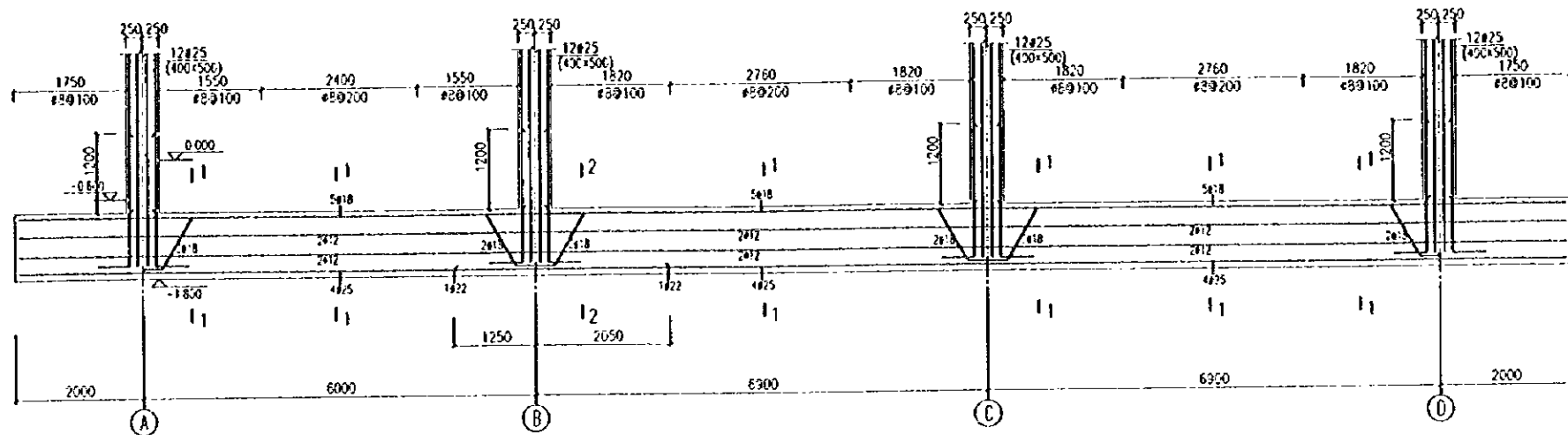


5-5 1:20

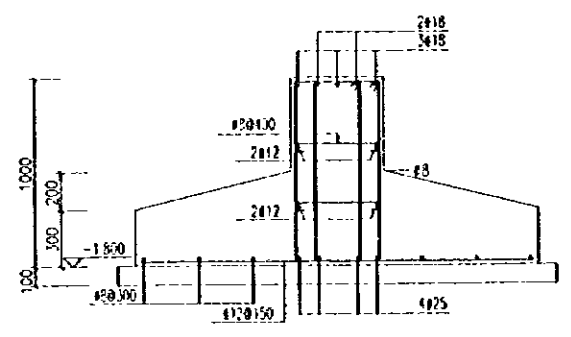


6-6 1:20

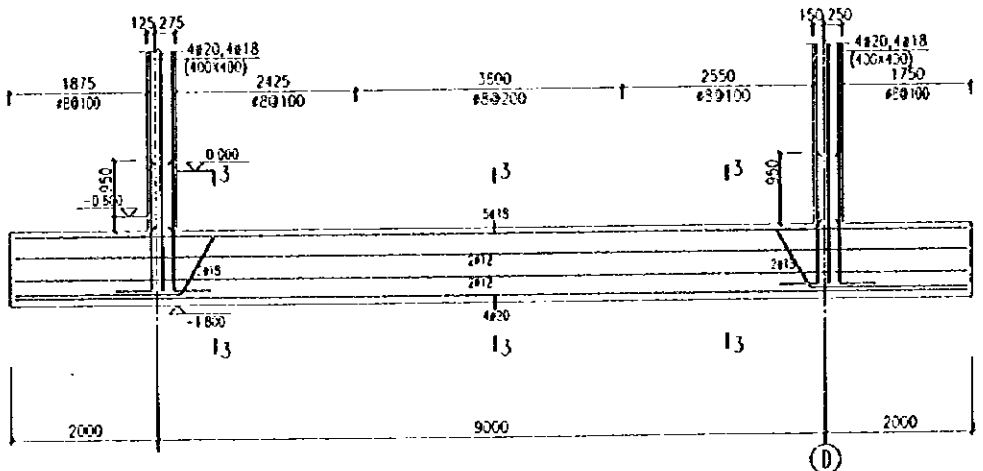
PEOPLE'S REPUBLIC OF CHINA
 SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT (SEPTEMBER 1997)
 FOUNDATION REINFORCEMENT DETAILS (3)
 SCALE 1:20
 DNS 43-S4
 JAPAN INTERNATIONAL COOPERATION AGENCY



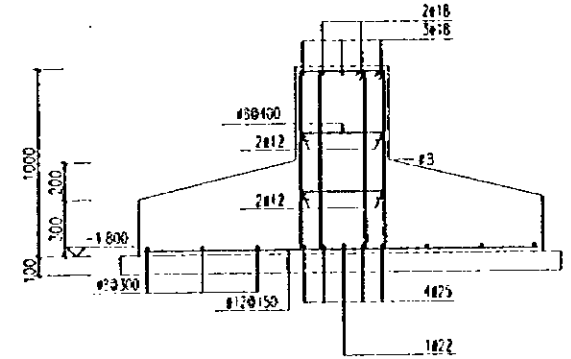
JCL-8



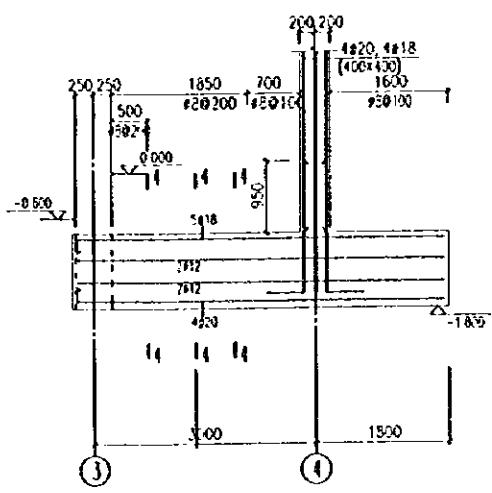
1-1 1:20



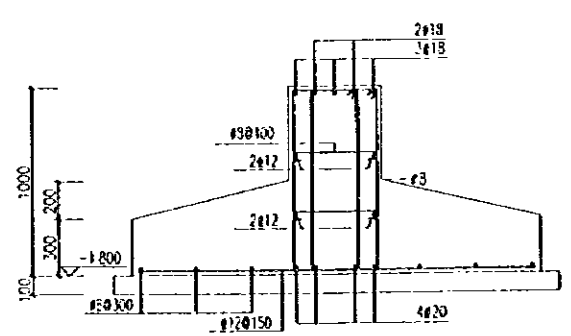
JCL-9



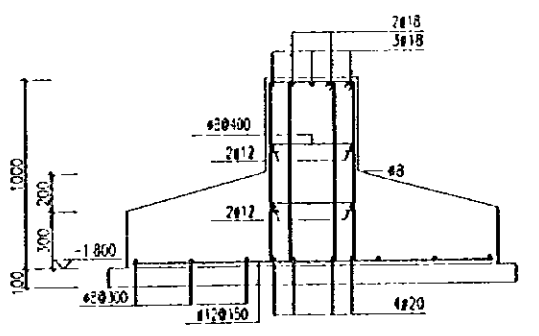
2-2 1:20



JCL-10 1:50

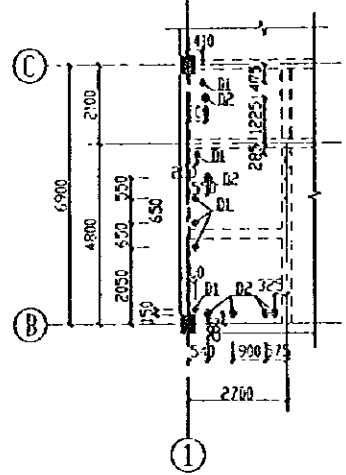


3-3 1:20

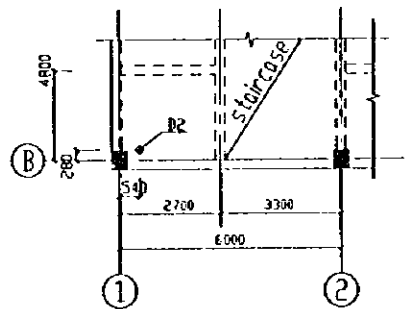


4-4 1:20

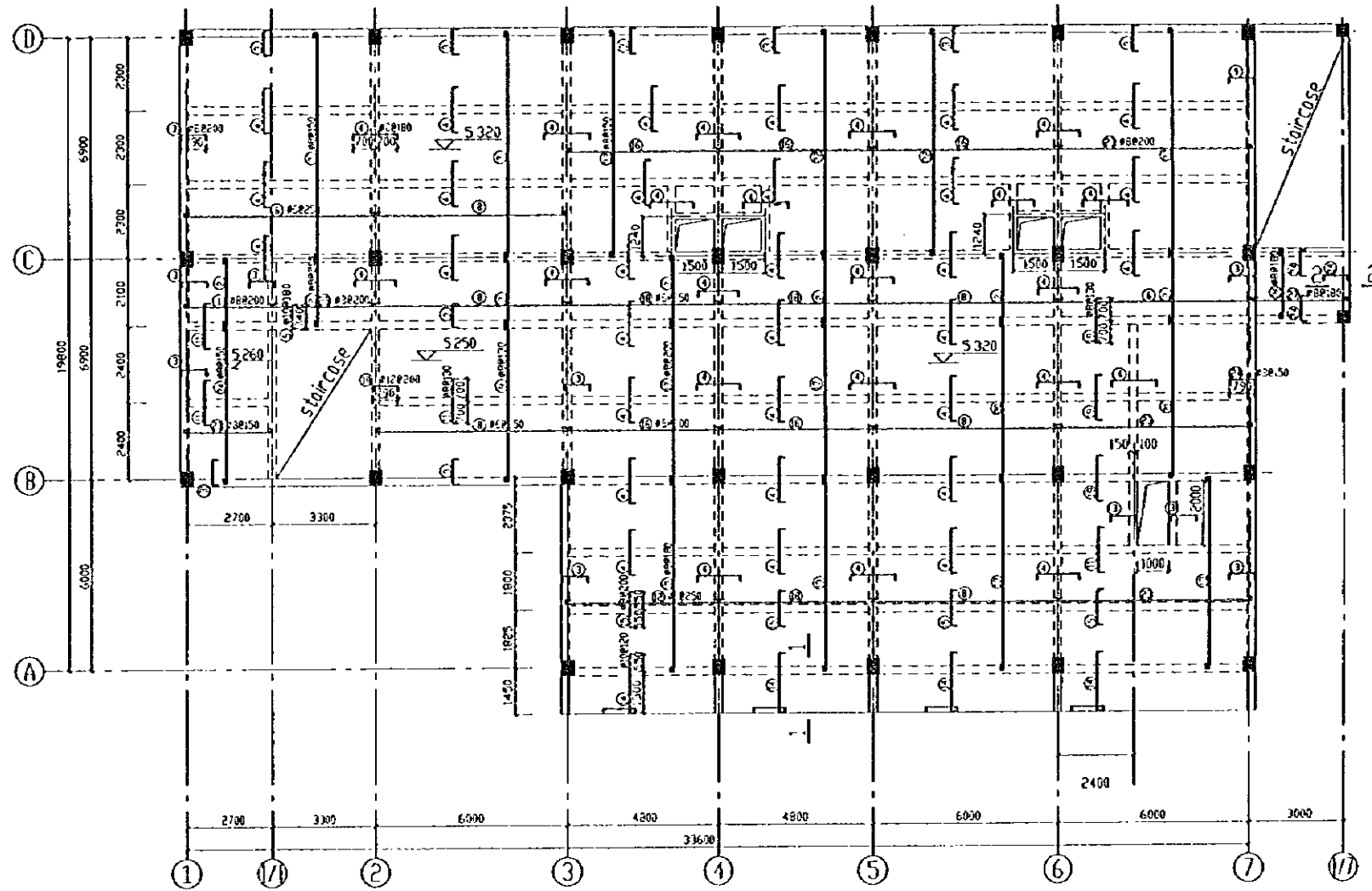
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
FOUNDATION REINFORCEMENT DETAILS (4)	
SCALE 1:50 1:25 1:20	DWG 43-55
JAPAN INTERNATIONAL COOPERATION AGENCY	



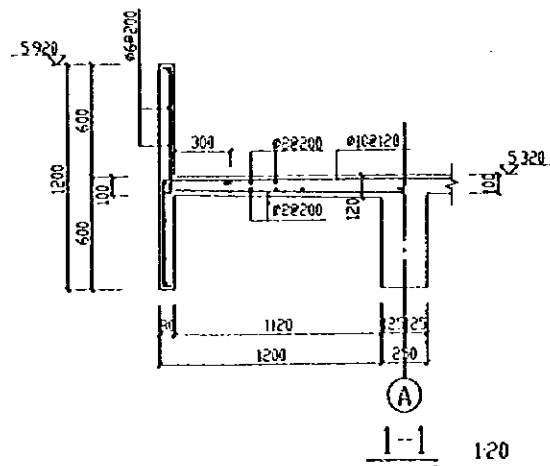
PREFORMED HOLE DRAWING FOR
2ND FLOOR TOILET FLOOR SLAB



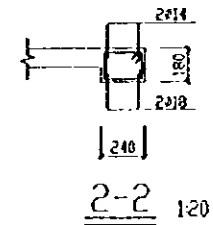
PREFORMED HOLE DRAWING FOR
TOP FLOOR AXIS ①-② FLOOR PLAN



2ND FLOOR STRUCTURE PLAN
(SLAB THICKNESS=100mm)

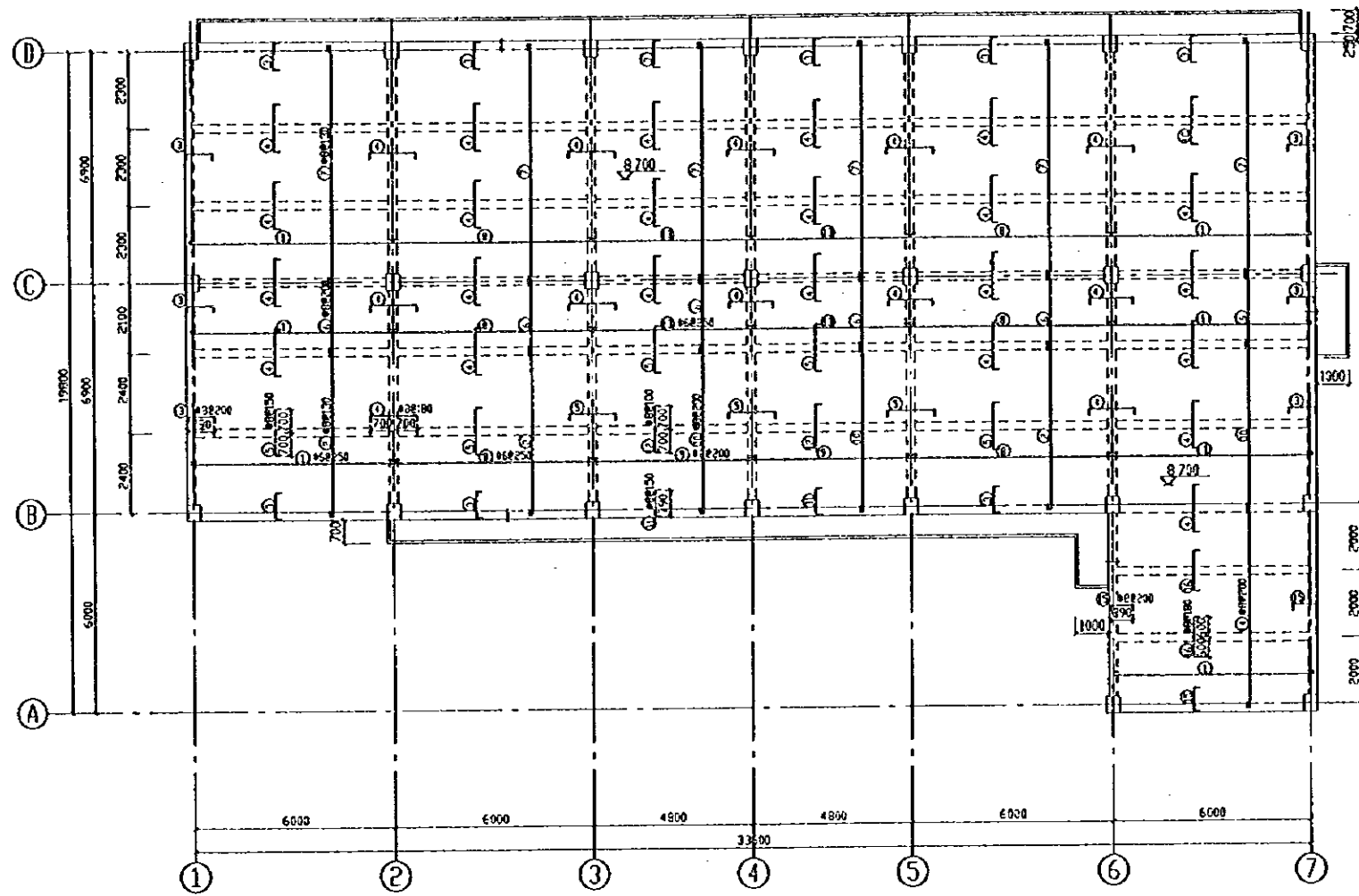


1-1 1:20



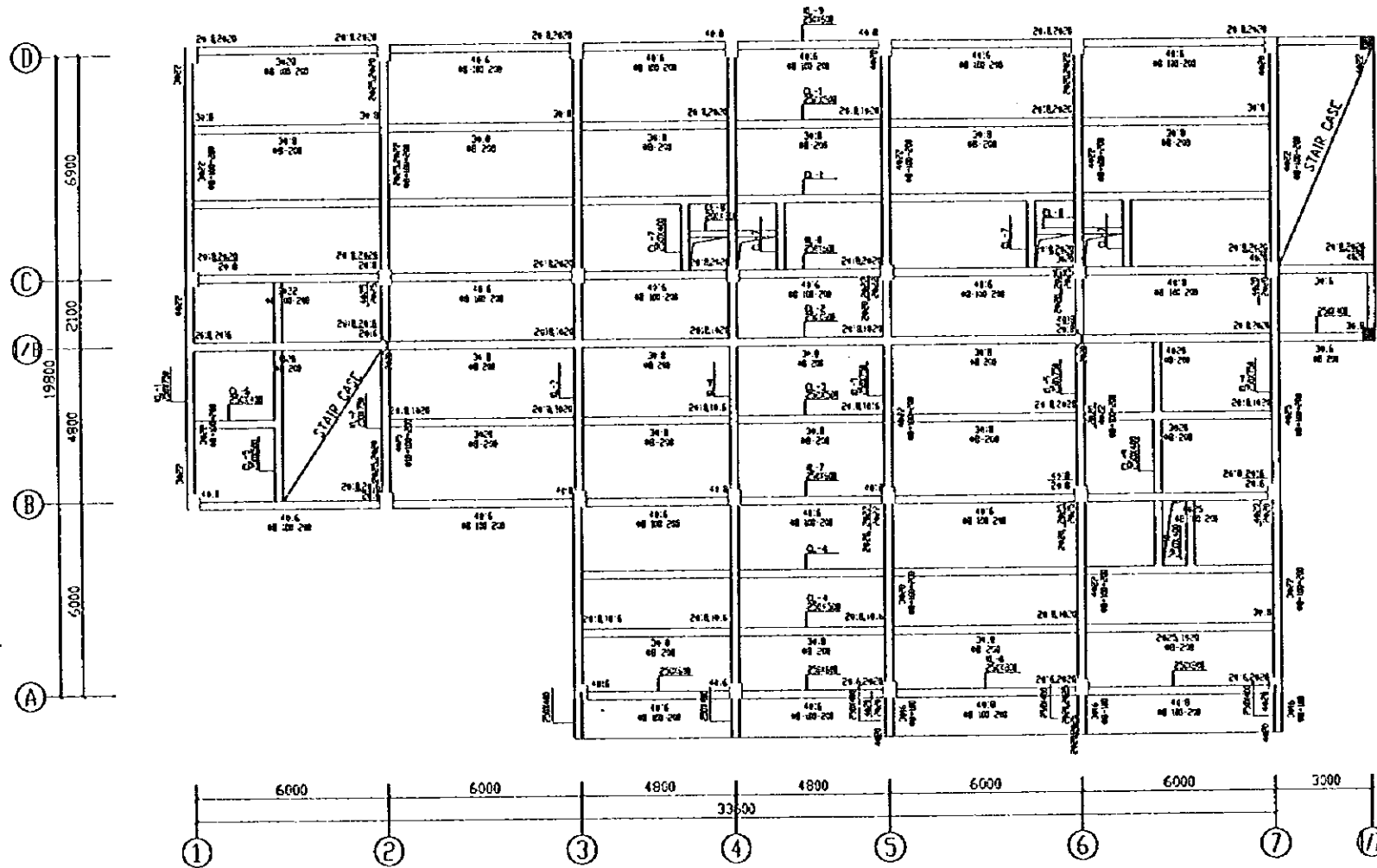
2-2 1:20

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
2nd FLOOR REINFORCEMENT PLAN, REINFORCEMENT DETAILS	
SCALE	DWG43-S6
JAPAN INTERNATIONAL COOPERATION AGENCY	



ROOF REINFORCEMENT PLAN
 (SLAB THICKS=100mm)

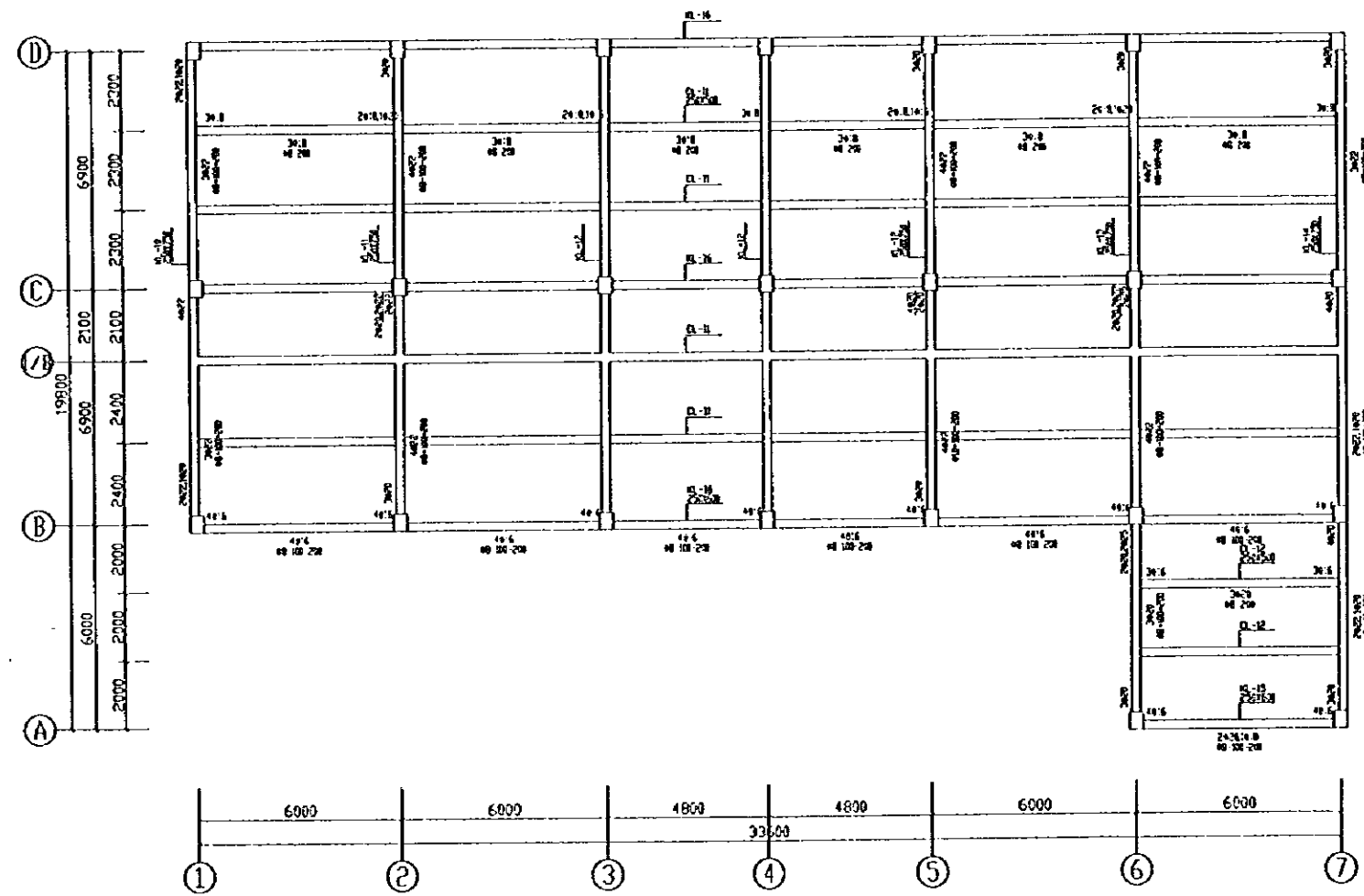
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
ROOF REINFORCEMENT PLAN	
SCALE	DWG 43-S7
JAPAN INTERNATIONAL COOPERATION AGENCY	



2nd FLOOR GIRDER AND BEAM REINFORCEMENT DETAILS

Note:
Unless otherwise noted, hangers of secondary beam are all 2016

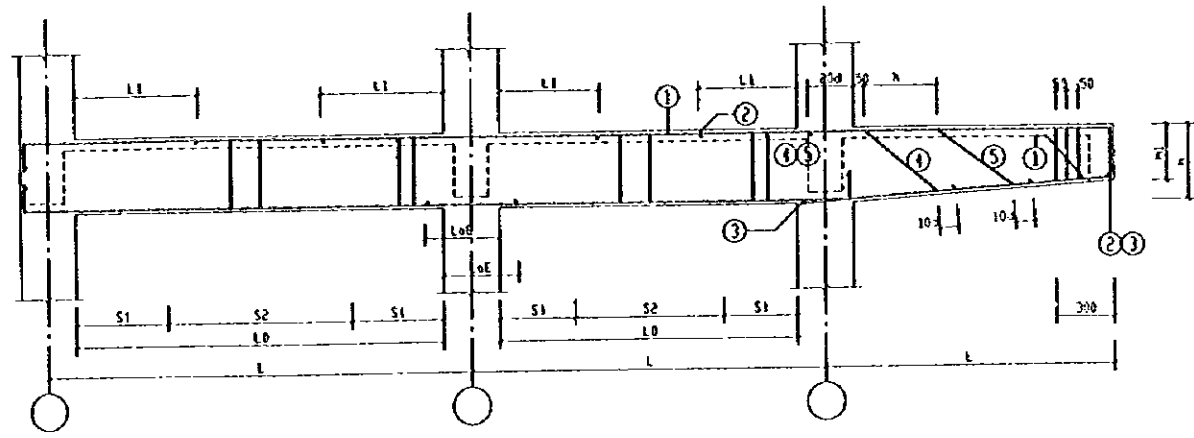
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
2nd FLOOR GIRDER AND BEAM REINFORCEMENT DETAILS	
SCALE	DWG 43-58
JAPAN INTERNATIONAL COOPERATION AGENCY	



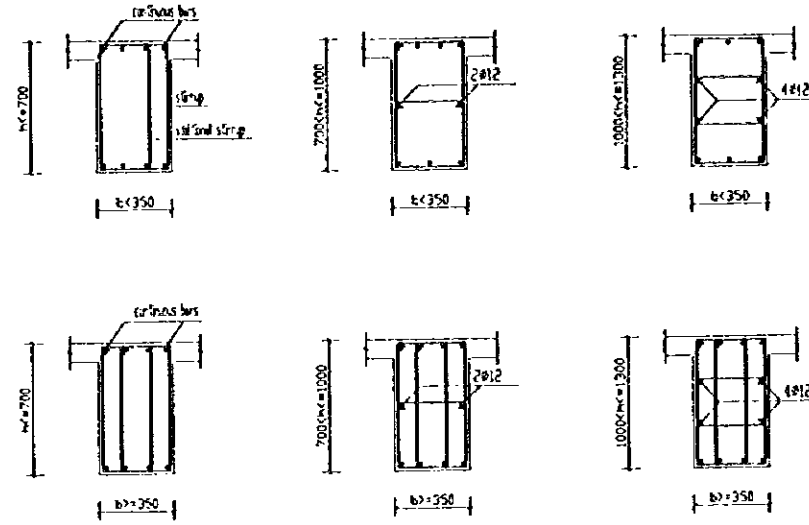
ROOF GIRDER AND BEAM REINFORCEMENT DETAILS

Note:
Unless otherwise noted, hangers of secondary beam are all 2Φ16

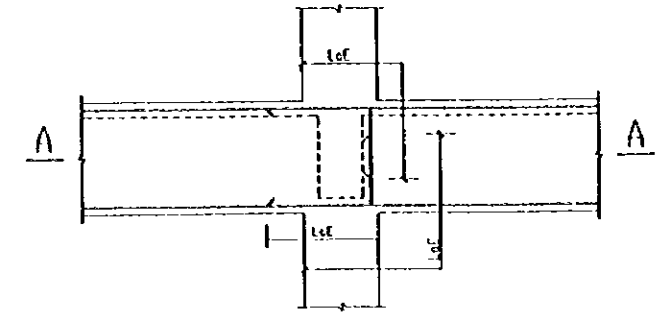
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT SEPTEMBER 1997	
ROOF GIRDER AND BEAM REINFORCEMENT DETAILS	
SCALE 1:200	DWG 43-59
JAPAN INTERNATIONAL COOPERATION AGENCY	



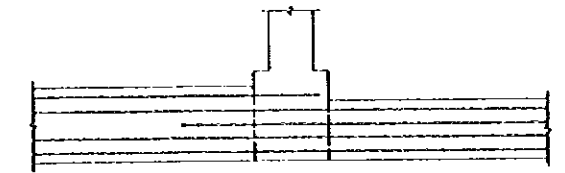
Rebar layout elevation for connecting bar of wide/narrow beam



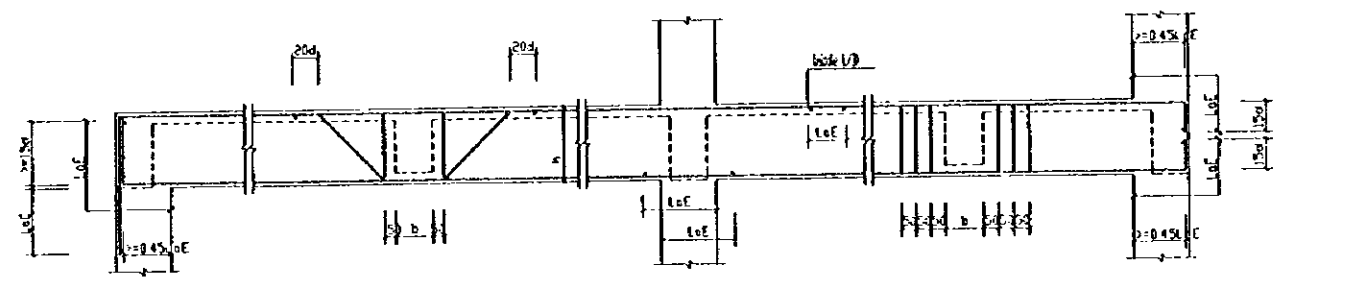
Sectional construction



Frame beam rebar elevation sketch map



A-A (Bar arrangement of connecting of wide/narrow beams)



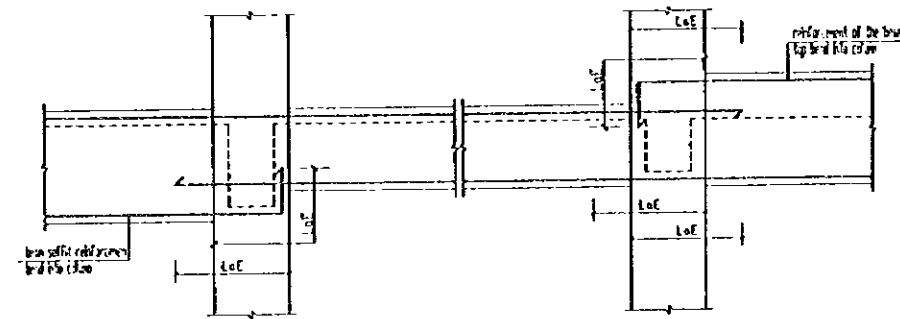
End joints of frame top

Signal of bent-up bar
 $h < 800, \alpha = 45^\circ$
 $h > 800, \alpha = 60^\circ$

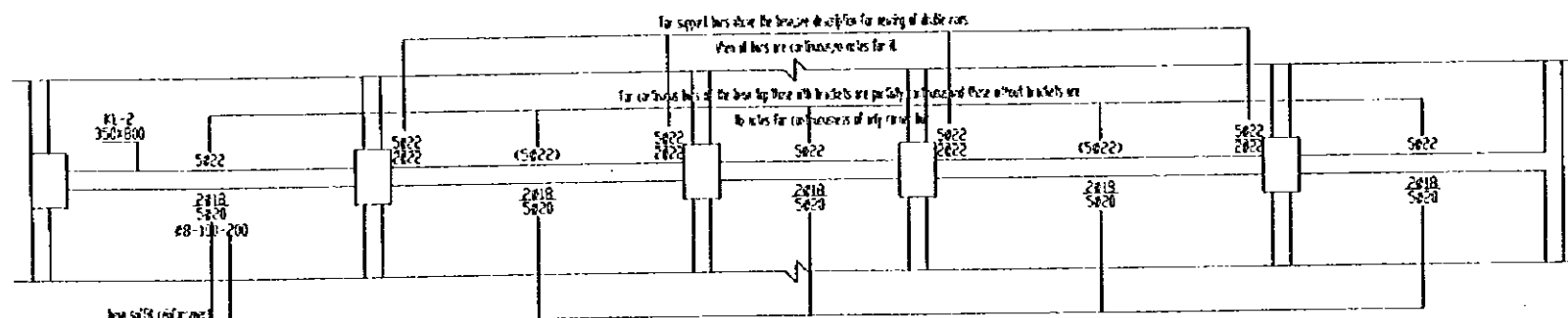
Support joint in the middle of frame

Signal of dense hoop reinforcement
used for secondary beam, beam

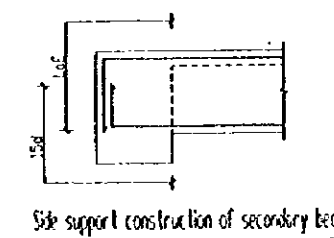
End joints of the middle layer of frame



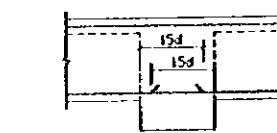
Bar arrangement when the height of neighbor beams are different



Legends for rebar plan of beams



Side support construction of secondary beam

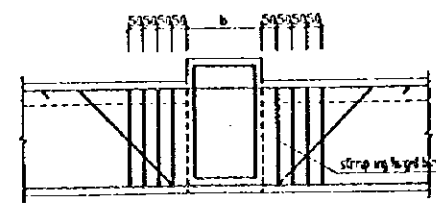


Middle support construction of secondary beam

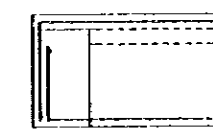
Note:

1. Corner hoop above frame beam shall be jointed among different spans on the same floor
 2. The length of hooping of frame beam in dense area shall be 15 times of the beam height
 3. Diameter of tie bar is equal to that of hooping and spacing is 2 times of hooping space.
 4. Cutting point of the bar above frame beam shall adopt 1L/4.
 5. Number of hoop reinforcement: 4 hoops for > 350 mm beam width
2 hoops for < 350 mm beam width
- Add more hoops and other auxiliary measures when bearing bars is more than 3 on each floor.

Concrete strength class	Reinforcement	Diameter								
		32	30	28	25	22	20	18	16	14
C20	2	1280	1200	1120	1000	880	800	720	640	560
C25	2	1120	1050	980	880	770	700	630	560	500
>C30	2	960	900	840	750	660	600	540	480	400

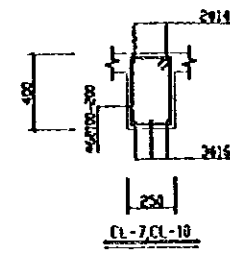
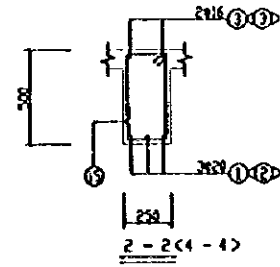
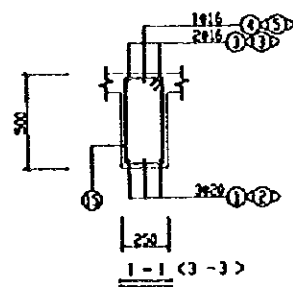
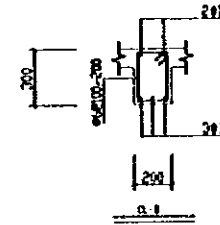
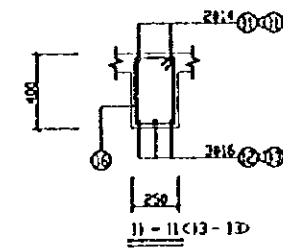
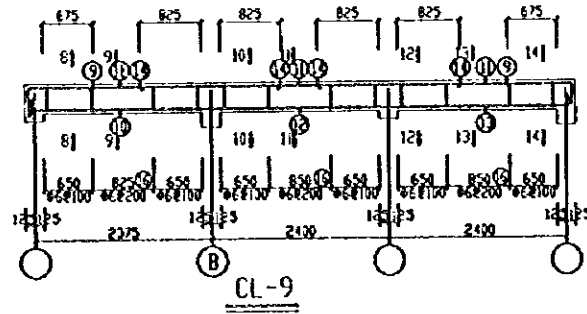
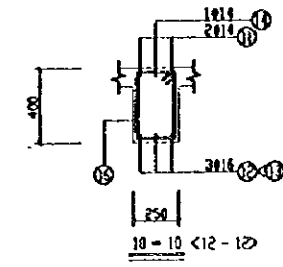
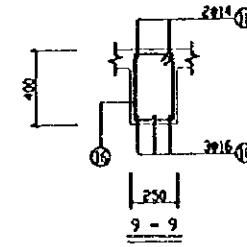
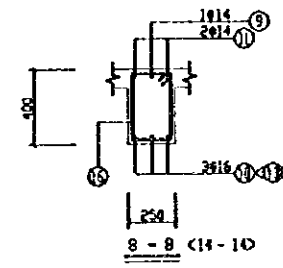
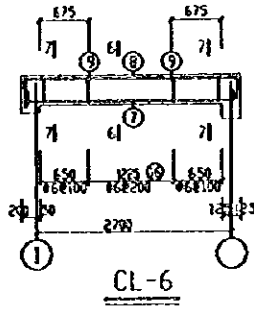
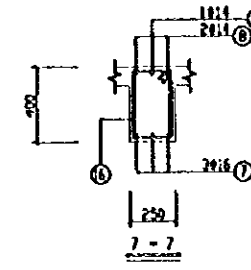
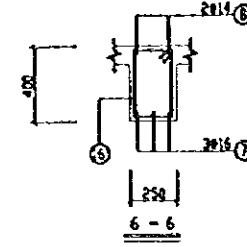
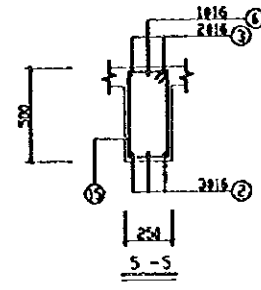
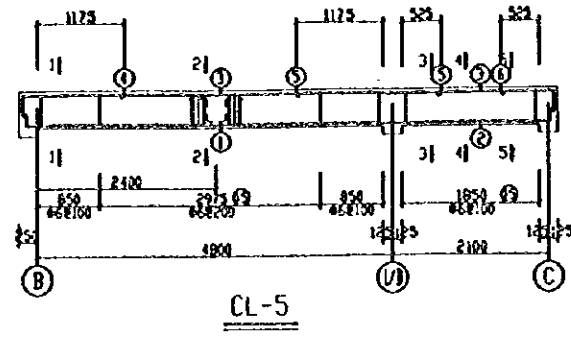


Joint structure of upstand beam



Support joint of upstand beam

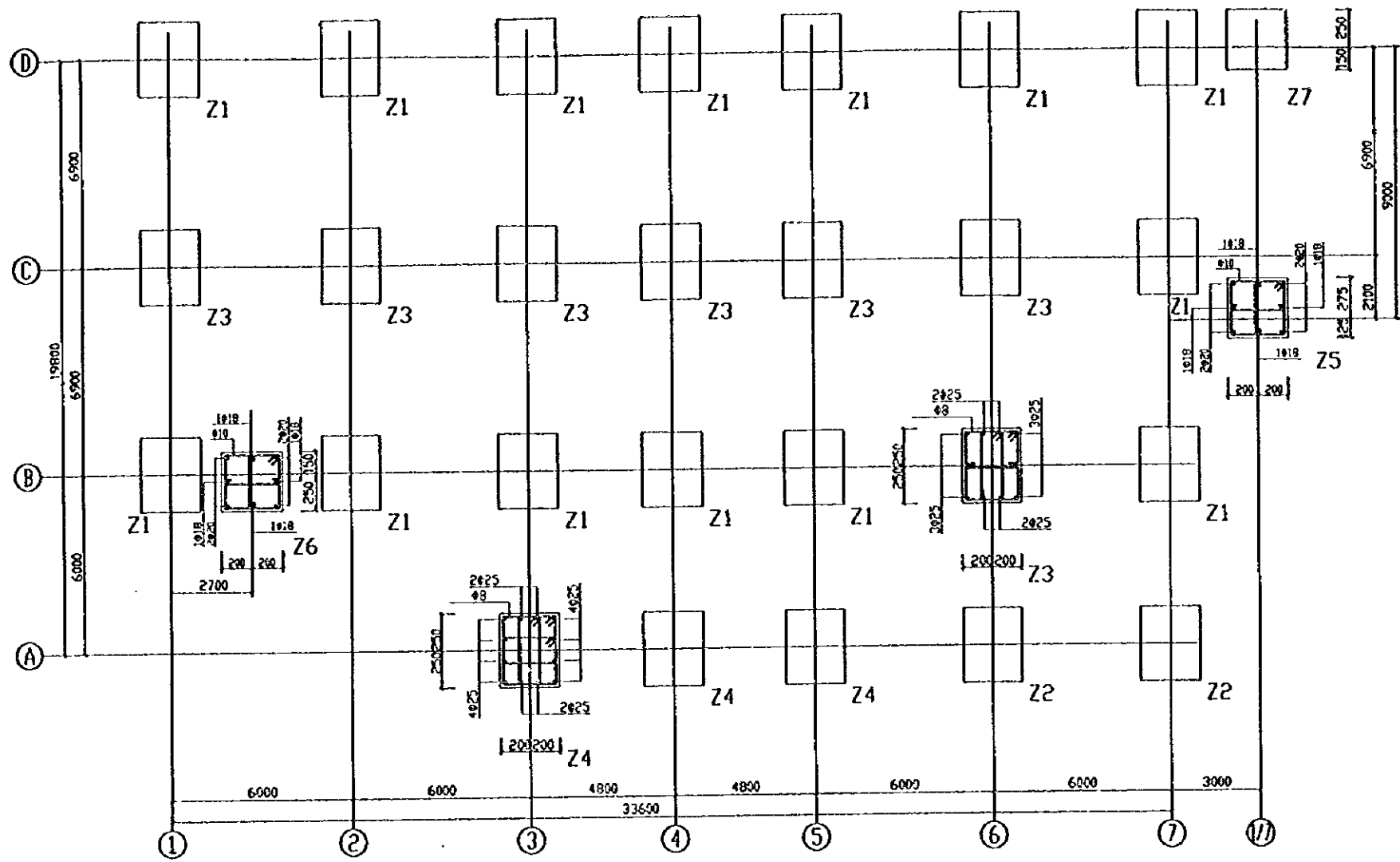
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
ORDER REINFORCEMENT STANDARD DETAILS	
NO SCALE	DWG 43-S10
JAPAN INTERNATIONAL COOPERATION AGENCY	



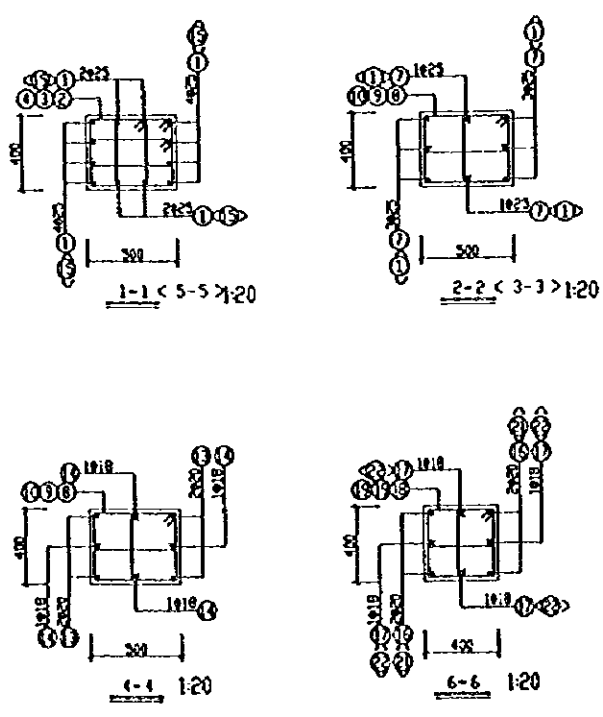
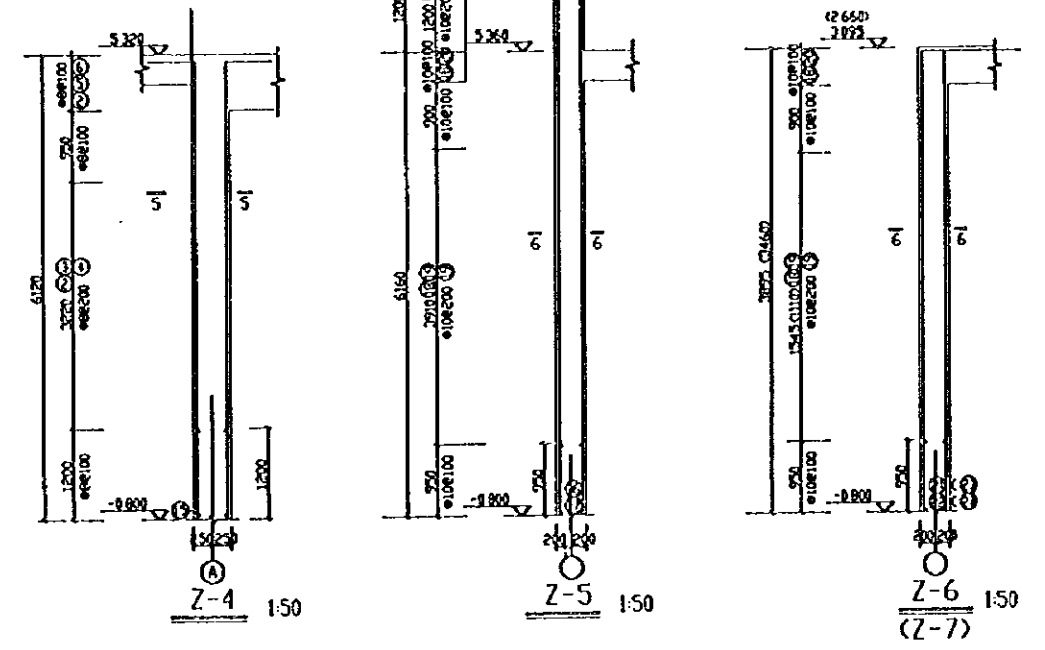
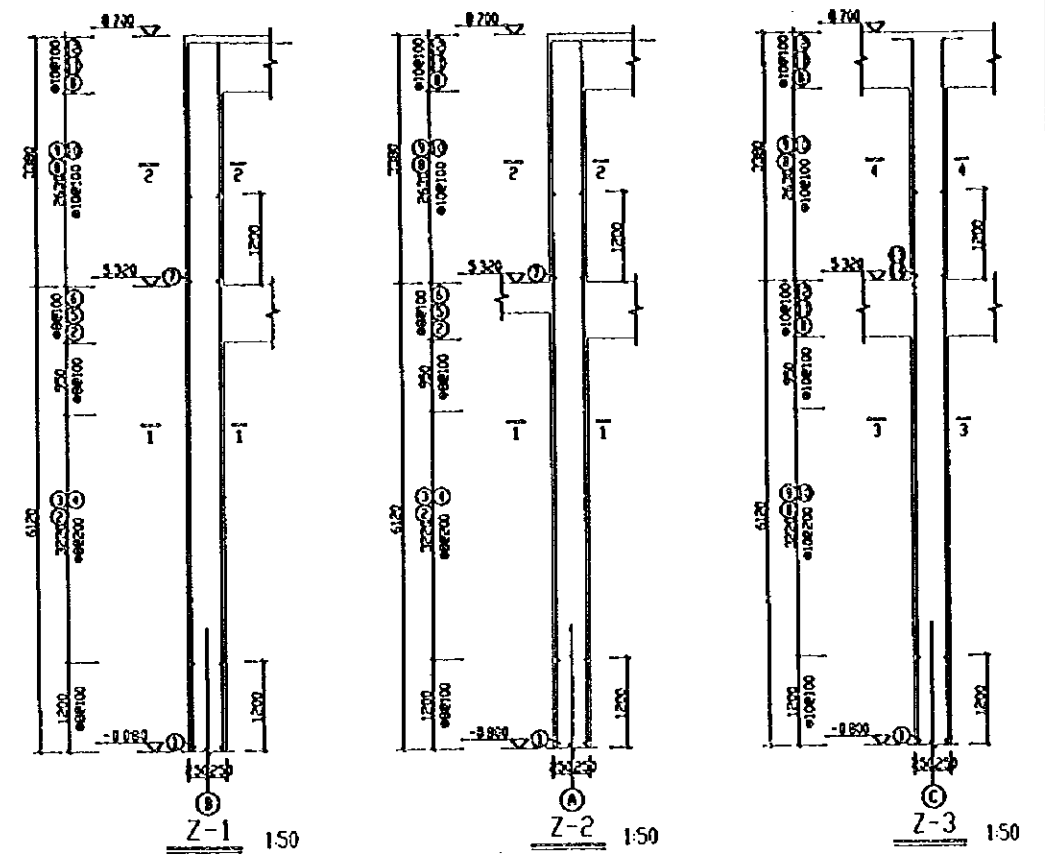
rebar schedule of tread

NO.	rebar sketch	specification	length	number of bars	weight
①	R 5260	Φ20	5460	3	41
②	R 2560	Φ16	2740	3	13
③	R 7210	Φ16	8870	2	26
④	R 2270	Φ16	2650	1	4
⑤	1950	Φ16	1950	1	3
⑥	R 740	Φ16	1120	1	2
⑦	R 2960	Φ16	3320	3	16
⑧	R 2960	Φ14	3720	2	9
⑨	R 895	Φ14	1175	4	6
⑩	R 2560	Φ16	2740	3	13
⑪	R 7360	Φ14	8120	2	20
⑫	2610	Φ16	2610	3	12
⑬	R 2570	Φ16	2750	3	13
⑭	1900	Φ14	1900	2	5
⑮	R 425	Φ6	1490	69	23
⑯	R 730	Φ6	1340	98	30

PEOPLE'S REPUBLIC OF CHINA
 SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT | SEPTEMBER 1997
 BEAM REINFORCEMENT DETAILS
 SCALE 1:20 1:25 1:30 DWG 43-S11
 JAPAN INTERNATIONAL COOPERATION AGENCY

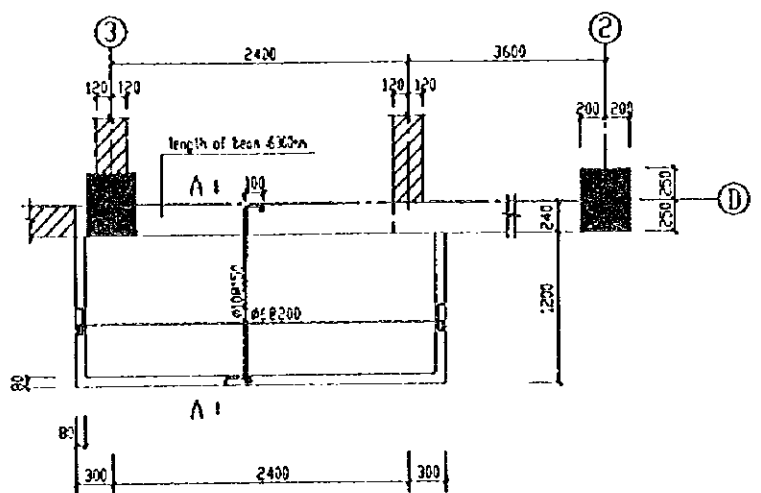


COLUMNS LAYOUT

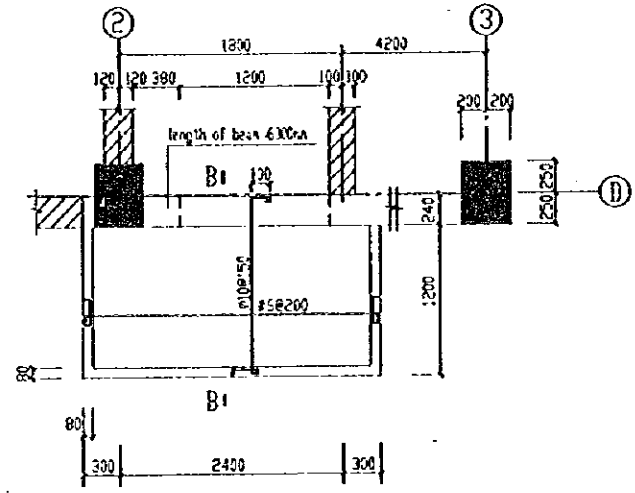


Reinforcement bar Schedule of Columns

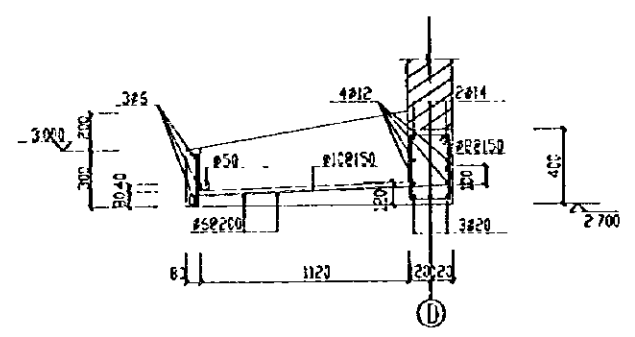
No	Bar Sketch	Specifcation	Length	Number	Weight	No	Bar Sketch	Specifcation	Length	Number	Weight
①		25	7320	32	912	⑬		20	3630	4	35
②		25	1040	159	115	⑭		20	3630	4	20
③		25	1422	135	76	⑮		25	6720	12	314
④		25	1250	135	69	⑯		20	8130	4	81
⑤		25	450	48	9	⑰		20	8130	4	66
⑥		25	550	48	10	⑱		20	1640	137	139
⑦		25	430	16	26.3	⑲		20	475	226	67
⑧		25	1842	176	200	⑳		20	475	94	20
⑨		25	576	144	51	㉑		20	4665	4	45
⑩		25	476	144	42	㉒		20	4665	4	38
⑪		25	476	64	19	㉓		20	4230	4	42
⑫		25	576	64	23	㉔		20	4230	4	34



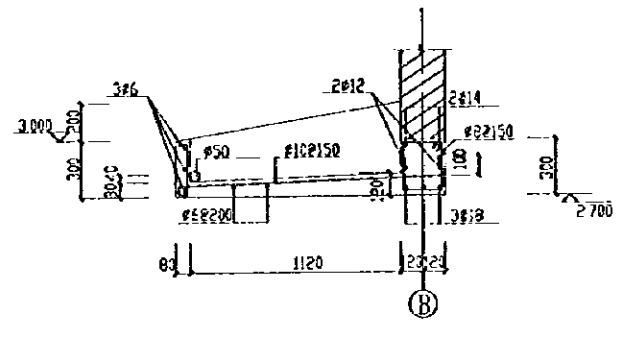
YP24 1:30



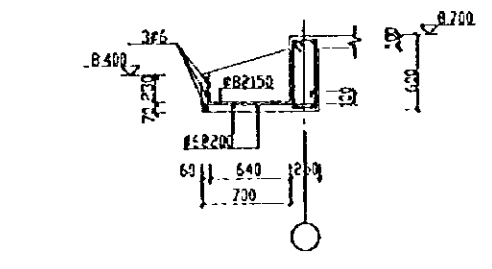
YP12 1:30



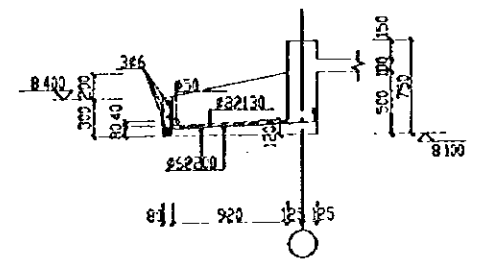
A-A 1:20



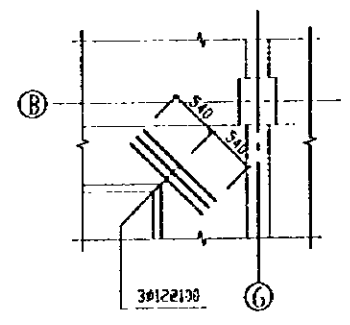
B-B 1:20



1 1:30



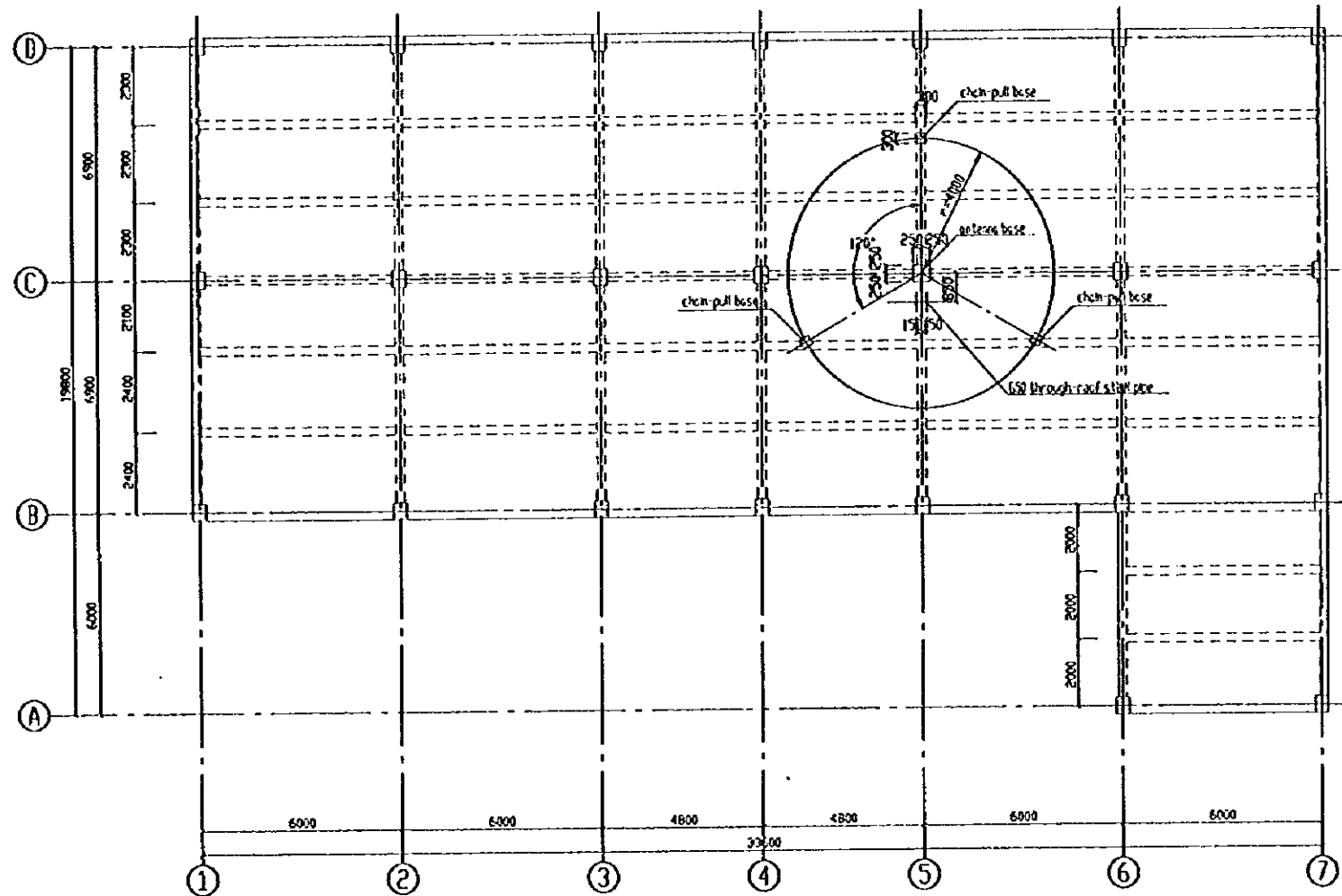
2 1:30



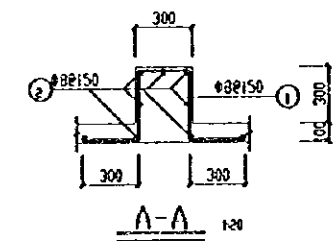
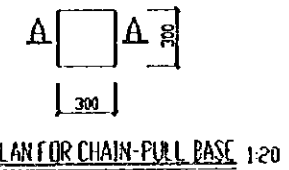
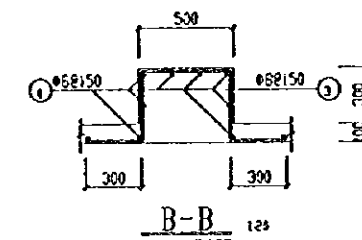
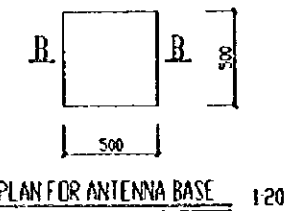
3 1:40

Rebar schedule for lintels:

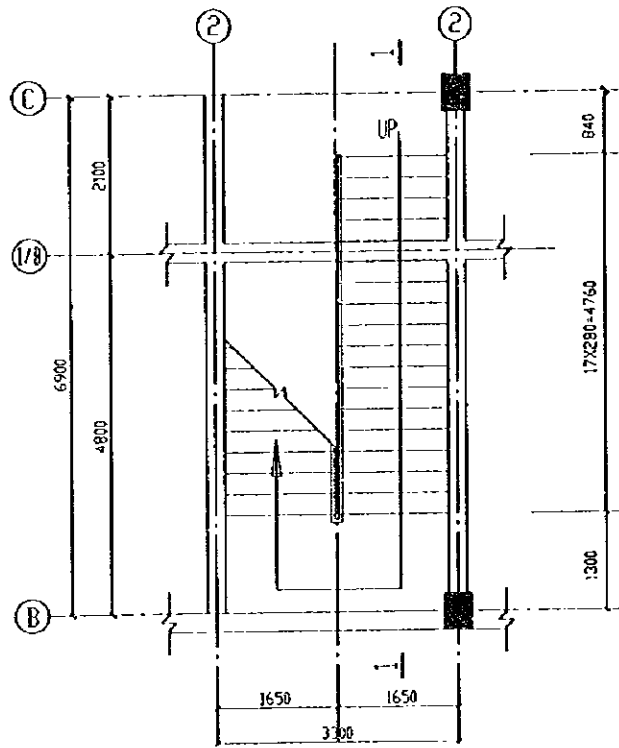
Rebar No	Net Span (l)	Length	Sectional Size (bXh)	Reinforcement			Sketch
				①	②	③	
GL06	600	1100	240x120	#5E150	2#8	2#14	
GL09	900	1400	200x120	#5E150	2#8	2#14	
GL10	1000	1500	200x120	#5E150	2#8	2#16	
			240x120	#5E150	2#8	2#16	
GL12	1200	1700	200x180	#5E150	2#8	3#12	
			240x180	#5E150	2#8	3#12	
GL18	1800	2300	200x240	#5E150	2#10	2#16	
			240x240	#5E150	2#10	2#16	
GL49	4000	4800	240x450	#5E150	2#12	2#22	



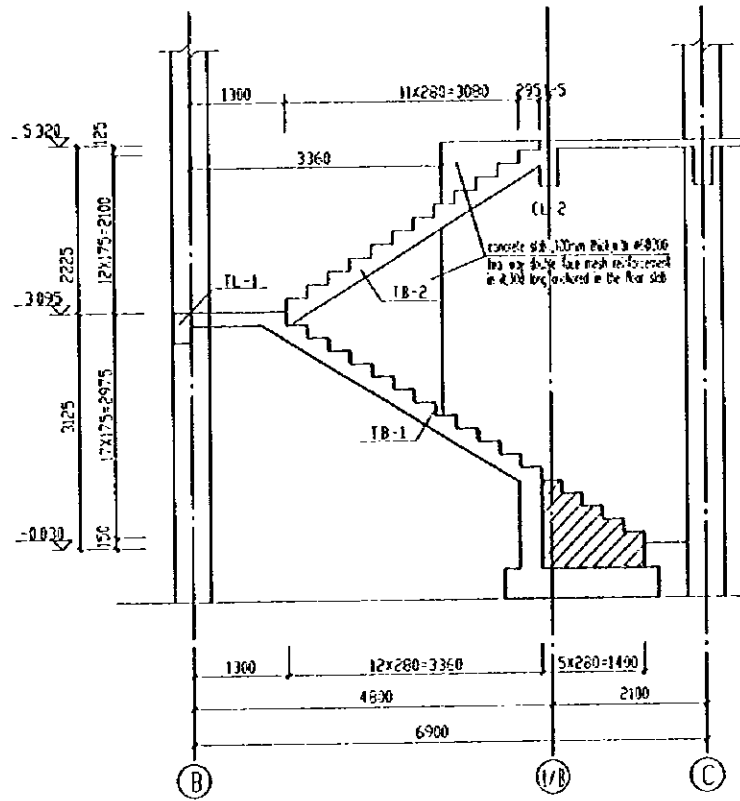
PLAN LAYOUT AND DETAILS FOR EQUIPMENT FOUNDATION



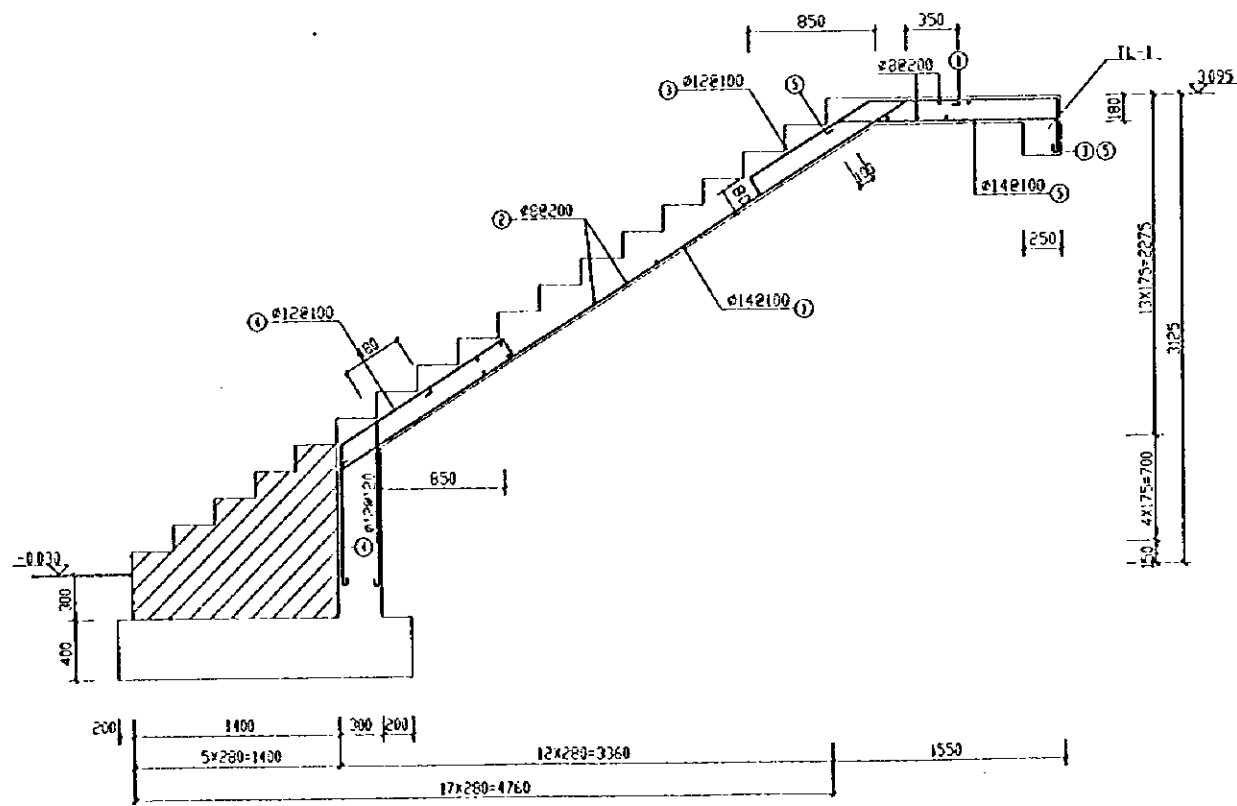
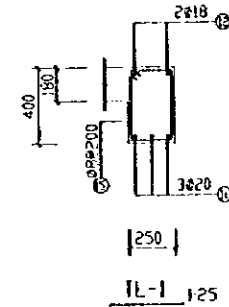
PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
PLAN LAYOUT AND DETAILS FOR EQUIPMENT FOUNDATION	
SCALE	1:20
JAPAN INTERNATIONAL COOPERATION AGENCY	



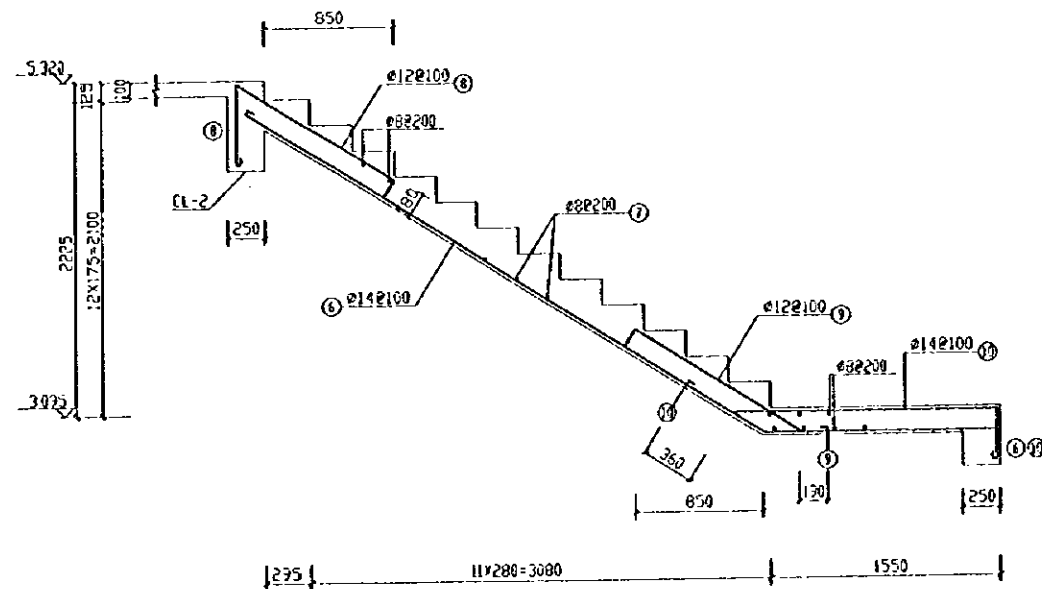
STAIR PLAN



1-1

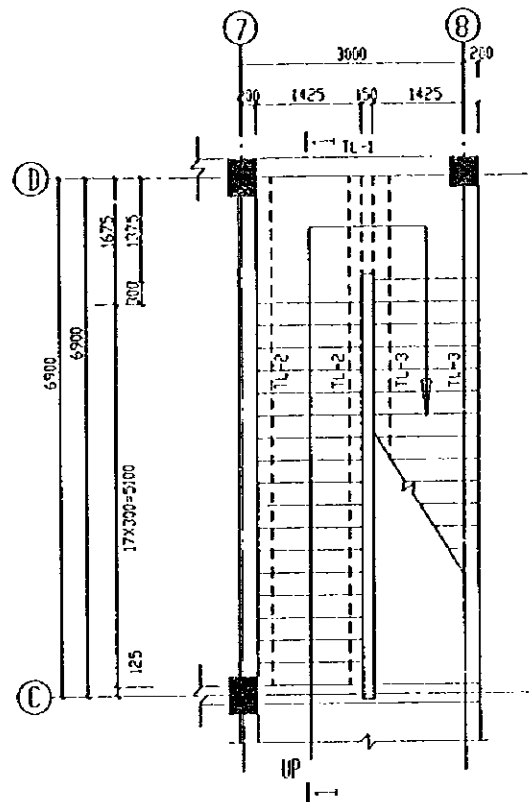


TB-1 1/25

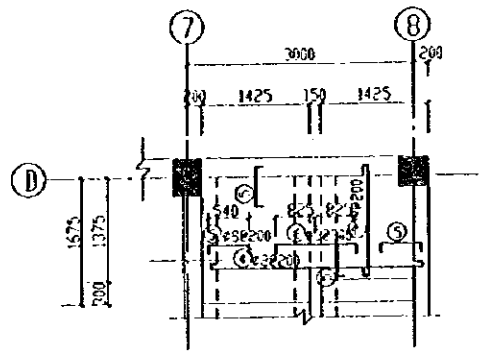


TB-2 1/25

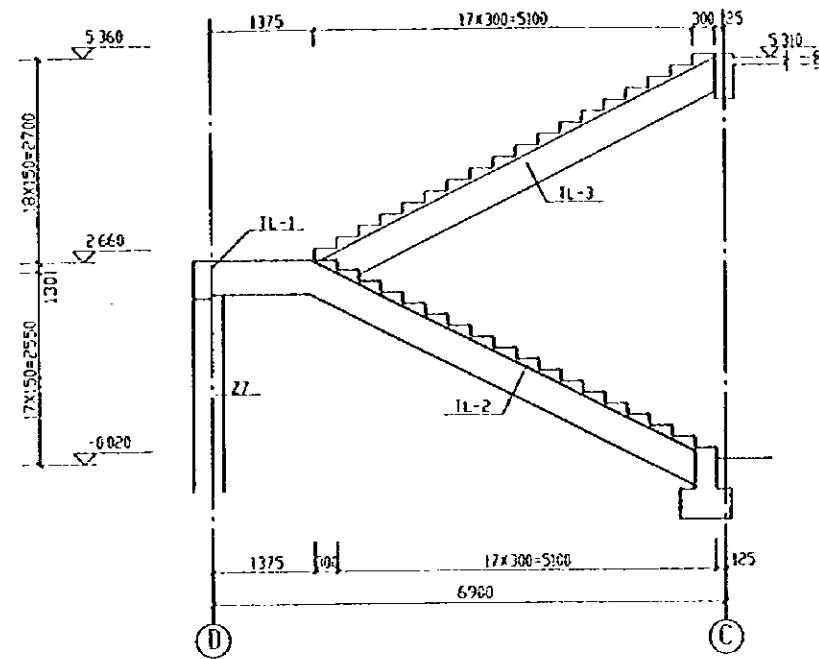
PEOPLE'S REPUBLIC OF CHINA		
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT		SEPTEMBER 1997
DETAILS FOR STAIRCASE (1)		
SCALE	$\frac{1}{25}$	ENS 43-S15
JAPAN INTERNATIONAL COOPERATION AGENCY		



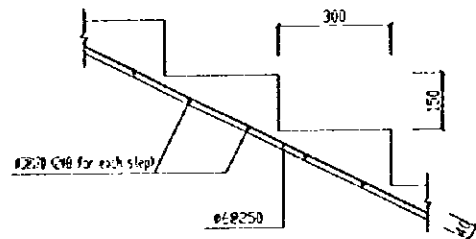
STAIR PLAN



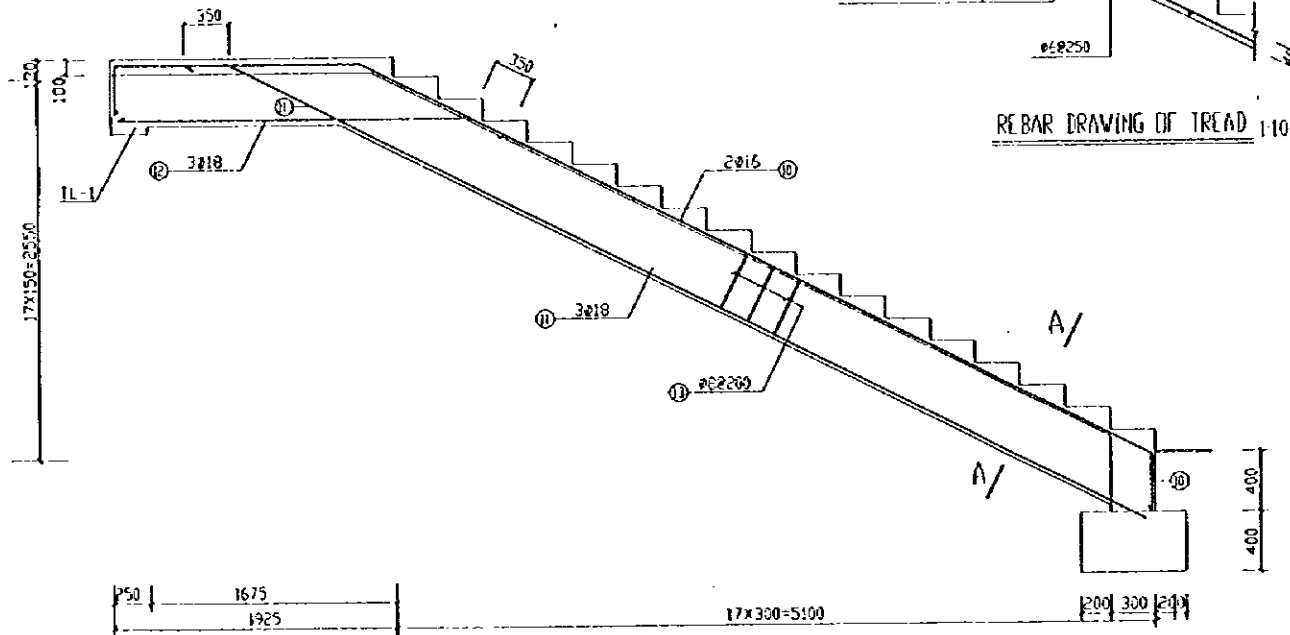
REBAR DRAWING OF PLATFORM PANEL
(panel thickness=100mm)



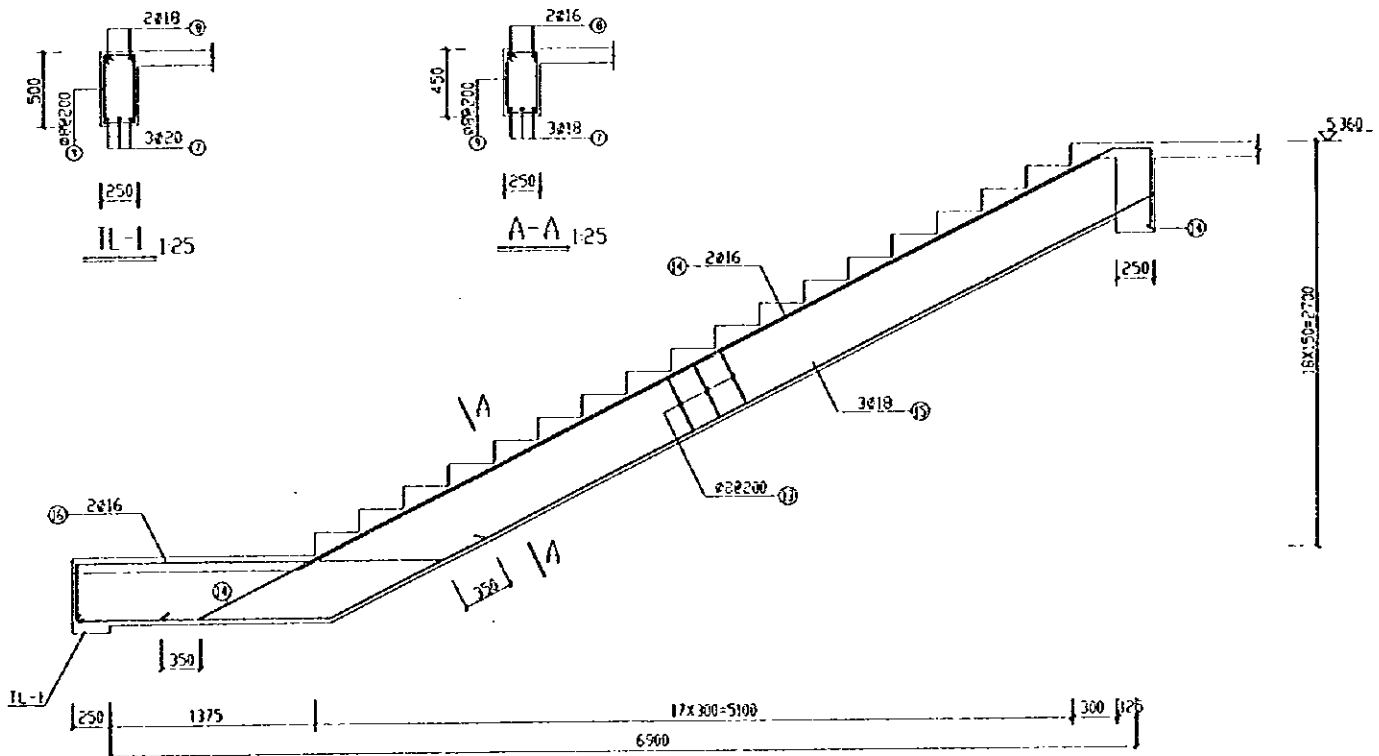
1-1



REBAR DRAWING OF TREAD 110



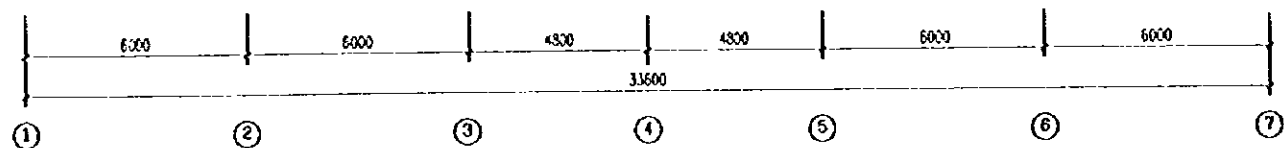
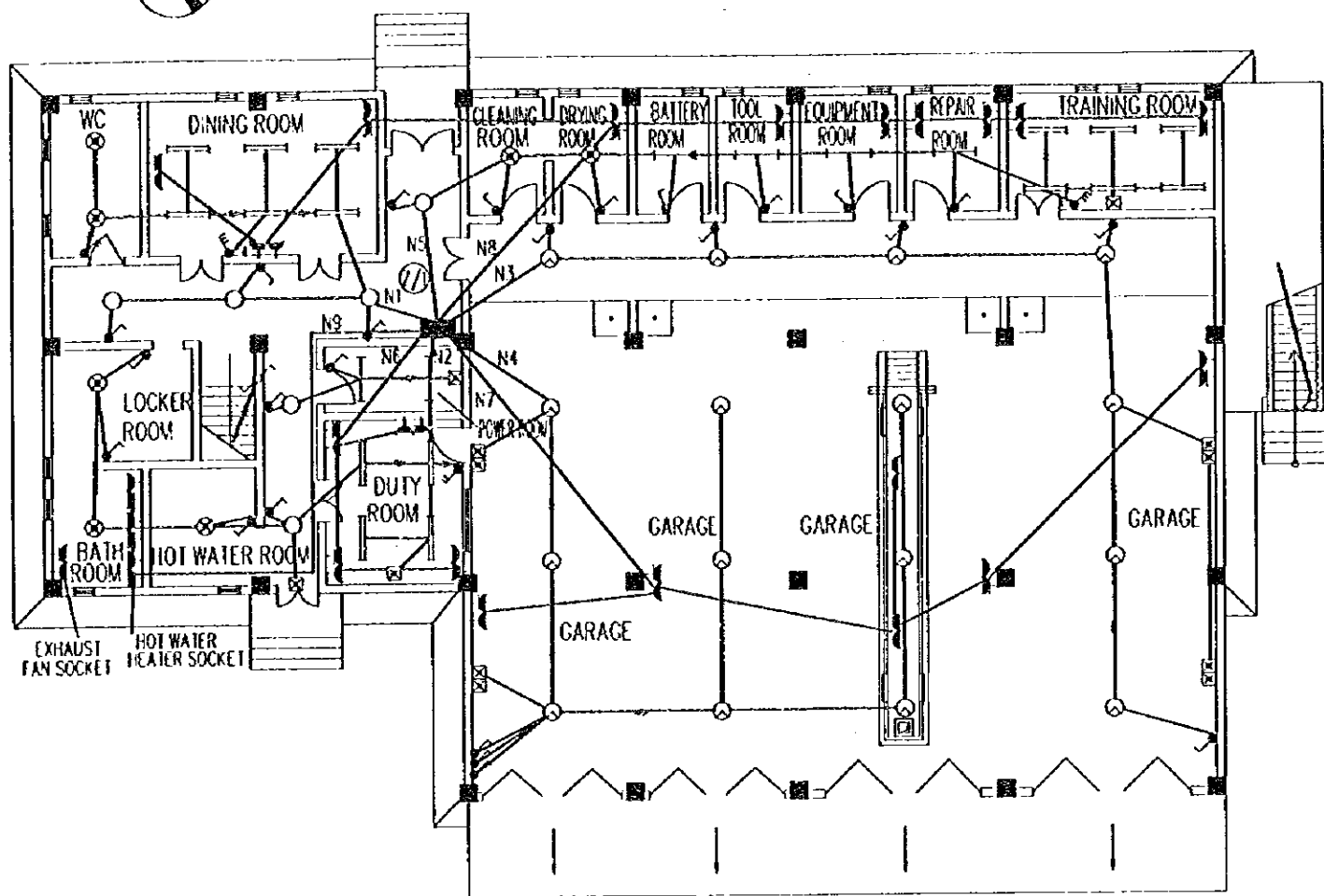
IL-2 125



IL-3 125

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
DETAILS FOR STAIRCASE (2)	
SCALE 1:25	DWG 43-516
JAPAN INTERNATIONAL COOPERATION AGENCY	

1ST FLOOR LIGHTING PLAN



SCALE 1:100

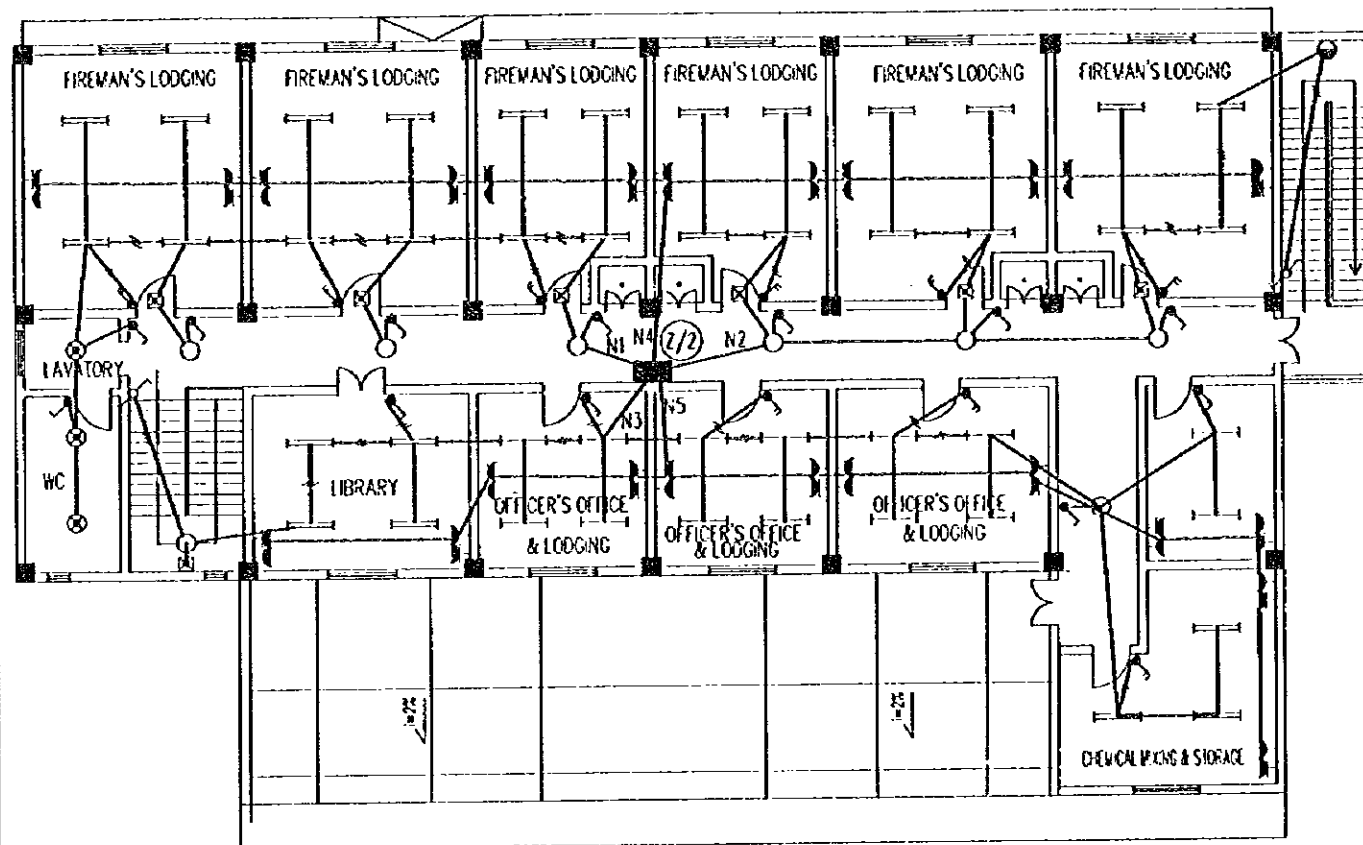
NO.	SYMBOL	NAME	SPECIFICATION	QUANTITY
10	⊗	INDIC-IF INSTRALAMP	HGC 125-B 1X250W	15
9	⊗	EMERGENCY LIGHT	HJD 211	12
8	⊗	EXPLOSION-PROOF SWITCH	250V 10A	1
7	⊗	DOUBLE-CONTROL SWITCH	250V 10A	2
6	⊗	THREE SWITCH	250V 10A	2
5	⊗	TWO SWITCH	250V 10A	2
4	⊗	ONE SWITCH	250V 10A	22
3	⊗	1 PHASE WATER PROOF SOCKET	250V 15A	4
2	⊗	1 PHASE SOCKET	250V 10A	20
1	⊗	LIGHTING/RECEPTACLE DISTRIBUTION BOX	PXT(R)-4	1

FACILITIES AND MATERIALS

NO.	SYMBOL	NAME	SPECIFICATION	UNIT	QUANTITY
20		ELECTRIC PIPE	G25	m	30
19		ELECTRIC PIPE	G15	m	800
18		CABLE	BV-500V 10mm ²	m	90
17		CABLE	BV-500V 4mm ²	m	800
16		CABLE	BV-500V 2.5mm ²	m	1500
15	○	CIRCULAR OVERHEAD LIGHT	HXD 233B 1X40W		6
14	⊖	TWO TUBE GRILLE FLUORESCENT	HYG 329-2C 2X40W		19
13	⊖	WATER AND DUST PROOF OVERHEAD LIGHT	HXD 217A 1X40W		7
12	⊖	EXPLOSION-PROOF FLUORESCENT	YB 3e-40 1x40W		1
11	⊖	ONE TUBE GRILLE FLUORESCENT	HYG 329-1C 1X40W		5

FACILITIES AND MATERIALS

2ST FLOOR LIGHTING

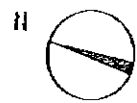


SCALE 1:100

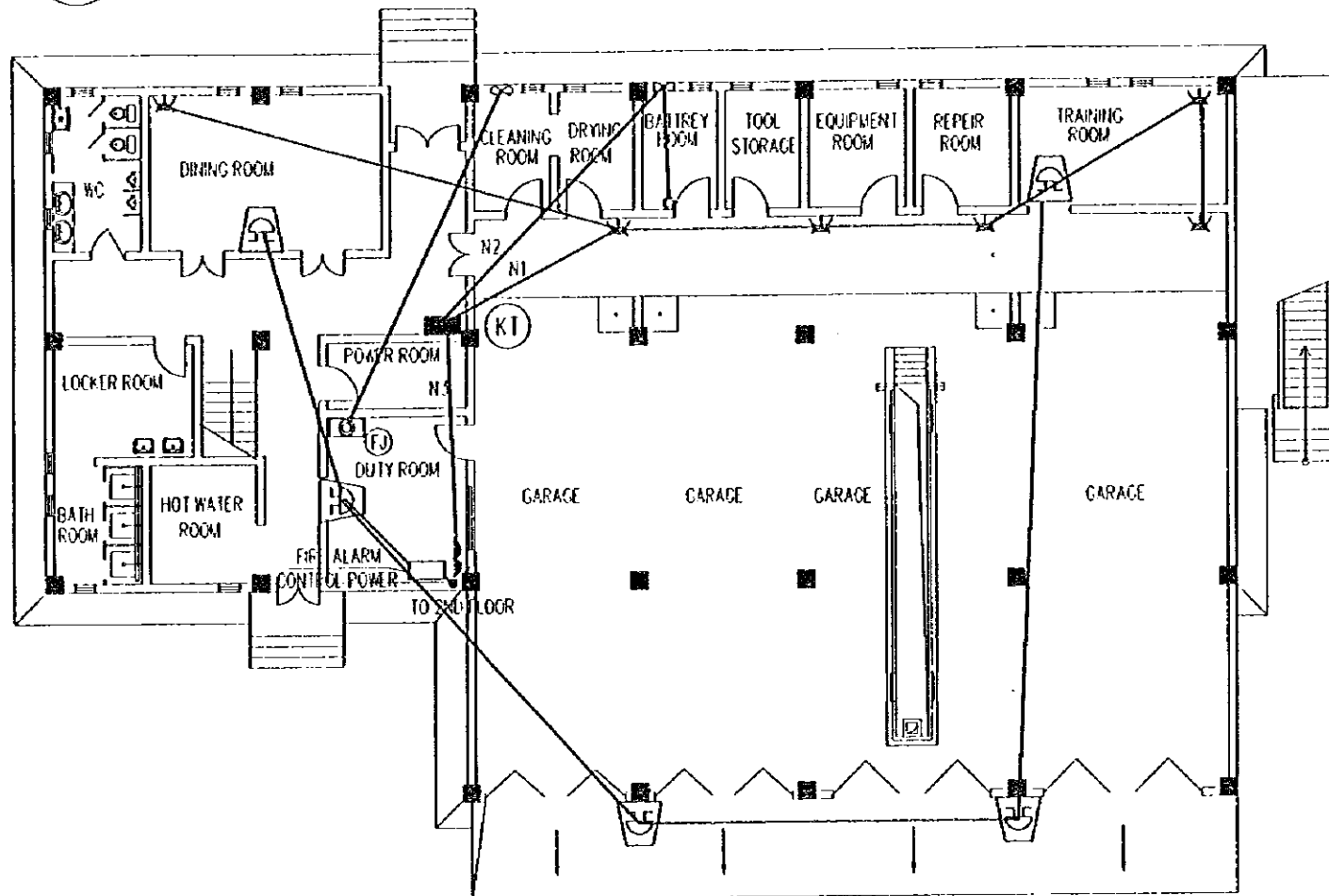
NO.	SYMBOL	NAME	SPECIFICATION	UNIT	QUANTITY
14		ELECTRIC PIPE	G15	m	600
13		CABLE	BV-500V 4mm ²	m	300
12		CABLE	BV-500V 2.5mm ²	m	1000
11	⊗	EMERGENCY LIGHT	HJD 211		7
10	⊗	WALL FITTING	HBD 361 1X60W		1
9	⊗	WATER AND DUST PROOF OVERHEAD LIGHT	HXD 217A 1X40W		3
8	○	CIRCULAR OVERHEAD LIGHT	HXD 233B 1X40W		8
7	⊖	TWO TUBE GRILLE FLUORESCENT	HYG 329-2C 2X40W		31
6	⊖	ONE TUBE GRILLE FLUORESCENT	HYG 329-1C 1X40W		14
5	⊗	1 PHASE SOCKET	250V 10A		25
4	⊗	DOUBLE-CONTROL SWITCH	250V 10A		2
3	⊗	TWO SWITCH	250V 10A		12
2	⊗	ONE SWITCH	250V 10A		9
1	⊗	LIGHTING/RECEPTACLE DISTRIBUTION BOX	PXT(R)-4		1

FACILITIES AND MATERIALS

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
LIGHTING PLAN	
SCALE 1:100	DWG 43-E1
JAPAN INTERNATIONAL COOPERATION AGENCY	

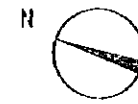


1ST FLOOR
HVAC POWER SUPPLY AND FIRE ALARM PLAN

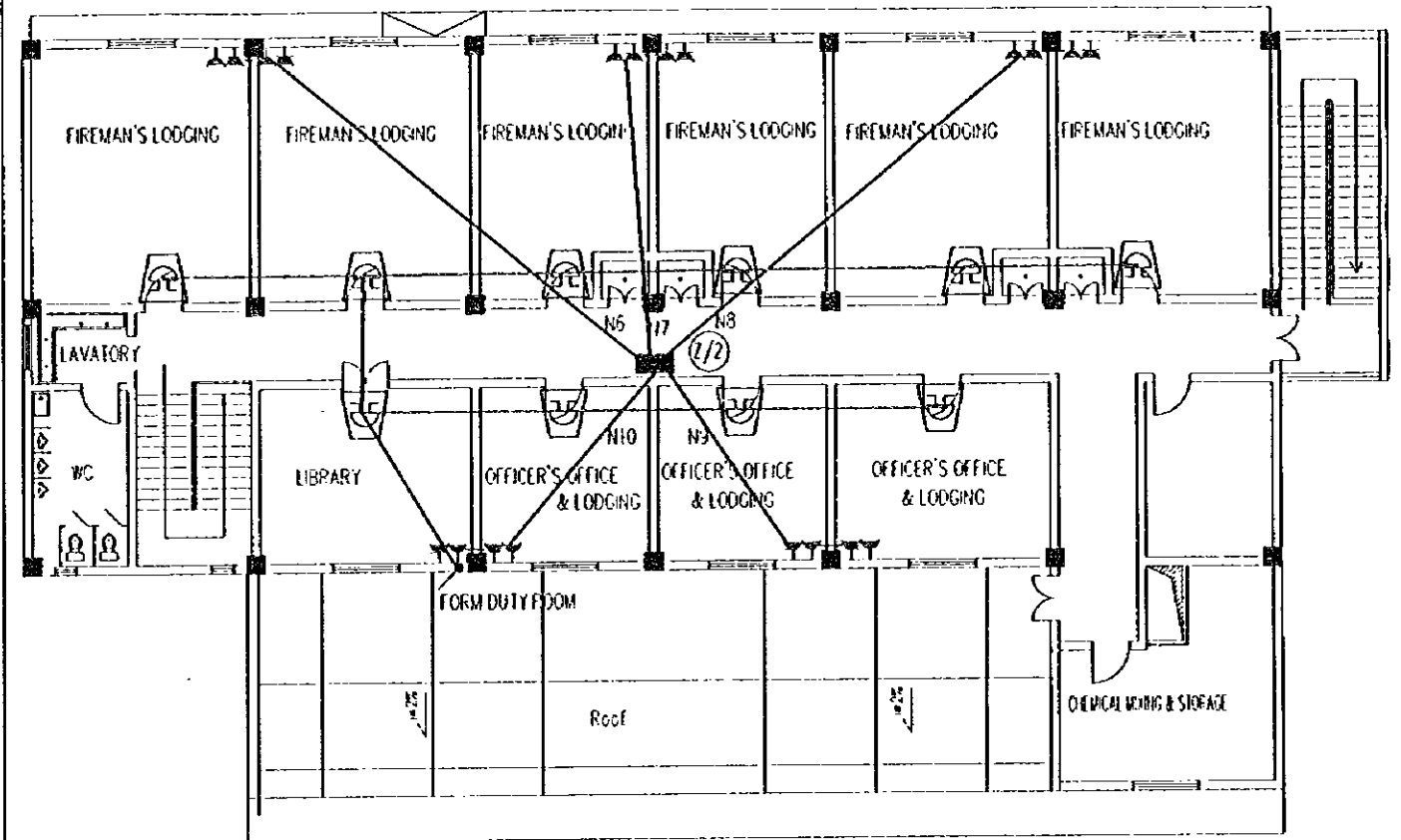


15		ELECTRIC PIPE	G32	m	60
14		ELECTRIC PIPE	G20	m	20
13		ELECTRIC PIPE	G15	m	60
12		POWER SUPPLY CABLE	VV-1KV 3X4+1X2.5mm ²	m	20
11		CABLE	BV-500V 16mm ²	m	250
10		CABLE	BV-500V 4mm ²	m	60
9		FLEXIBLE CABLE	RV-2X1.5mm ²	m	60
8	⊕	BLAST FAN CONTROL BUTTON	380V 5A		1
7	∞	AXIAL FAN	SEE HVAC PLAN		1
6	⚡	1 PHASE SOCKET	250V 10A		1
5	⚡	3 PHASE SOCKET	380V 15A		6
4	🔊	FIRE SOUND AND SHIRE ALARM	HX100		5
3	🔌	FIRE ALARM CONTROL POWER	24V		1
2	🔌	GARAGE FAN CONTROL BOX	MANUFACTURE COMPLETE SET OF EQUIPMENT WITH CABLE REQUIRED TO BE 3.5/2		1
1	🔌	Lighting/Receptacle Distribution Box	PXT(R)-4		1
NO.	SYMBOL	NAME	SPECIFICATION	UNIT	QUANTITY

FACILITIES AND MATERIALS



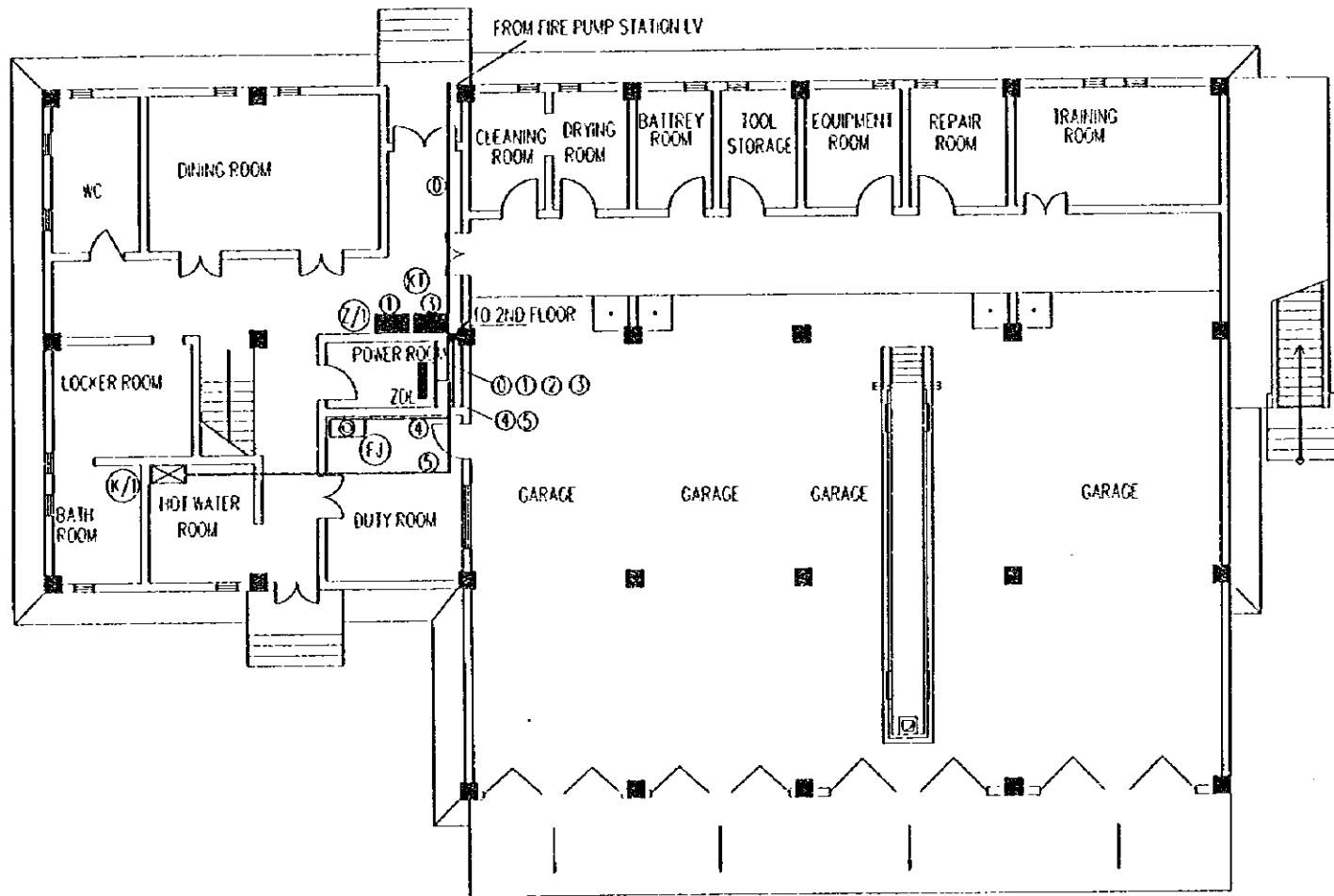
2ND FLOOR
HVAC POWER SUPPLY AND FIRE ALARM PLAN



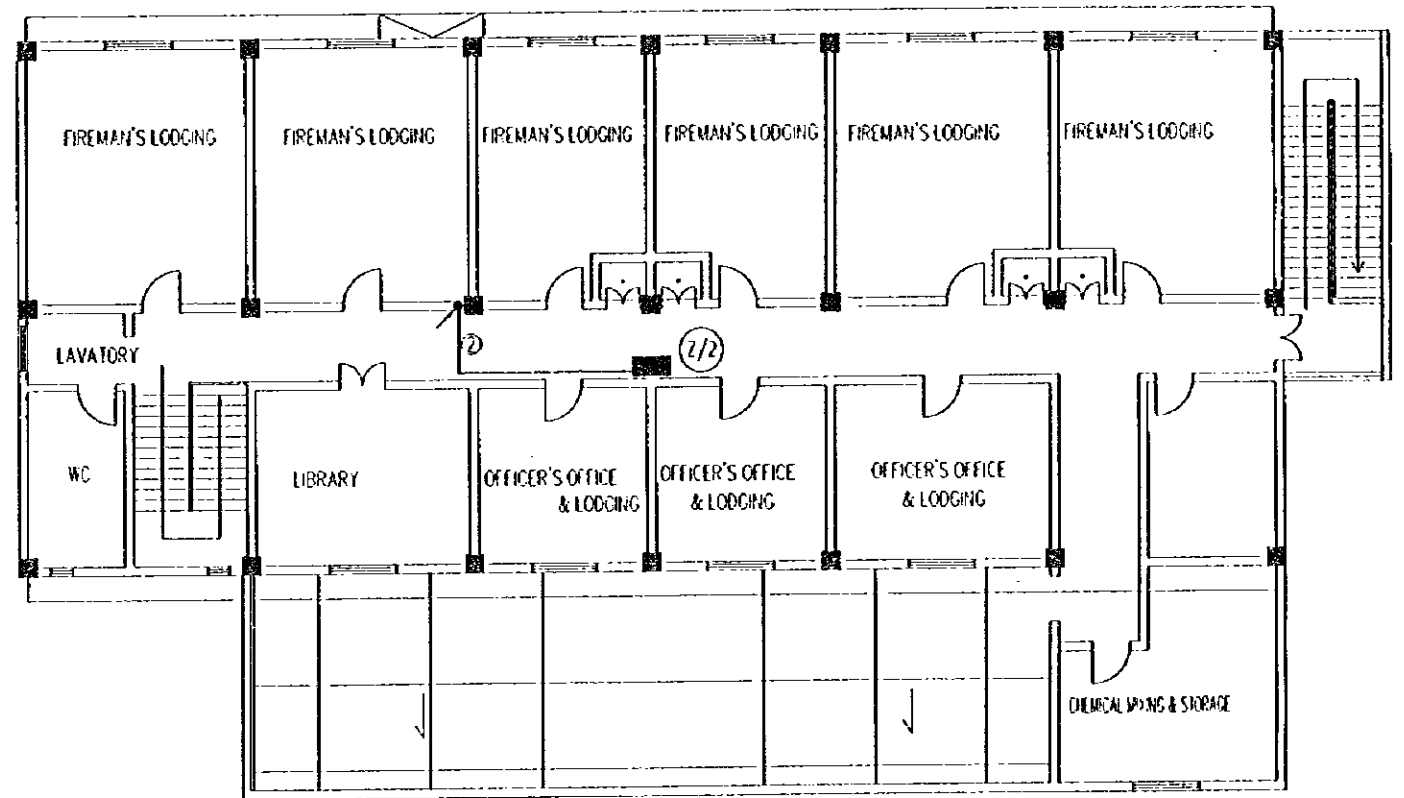
7		ELECTRIC PIPE	G20	m	60
6		ELECTRIC PIPE	G15	m	80
5		FLEXIBLE CABLE	RV-2X1.5mm ²	m	80
4		CABLE	BV-500V 6mm ²	m	180
3	⚡	1 PHASE SOCKET	250V 10A		10
2	🔊	FIRE SOUND AND SHIRE ALARM	HX100		10
1	🔌	Lighting/Receptacle Distribution Box	SEE LIGHTING PLAN		
NO.	SYMBOL	NAME	SPECIFICATION	UNIT	QUANTITY

FACILITIES AND MATERIALS

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
HVAC POWER SUPPLY AND FIRE ALARM PLAN	
SCALE	1:1000
DWG 43-E2	
JAPAN INTERNATIONAL COOPERATION AGENCY	



1ST FLOOR PLAB SCALE 1:100

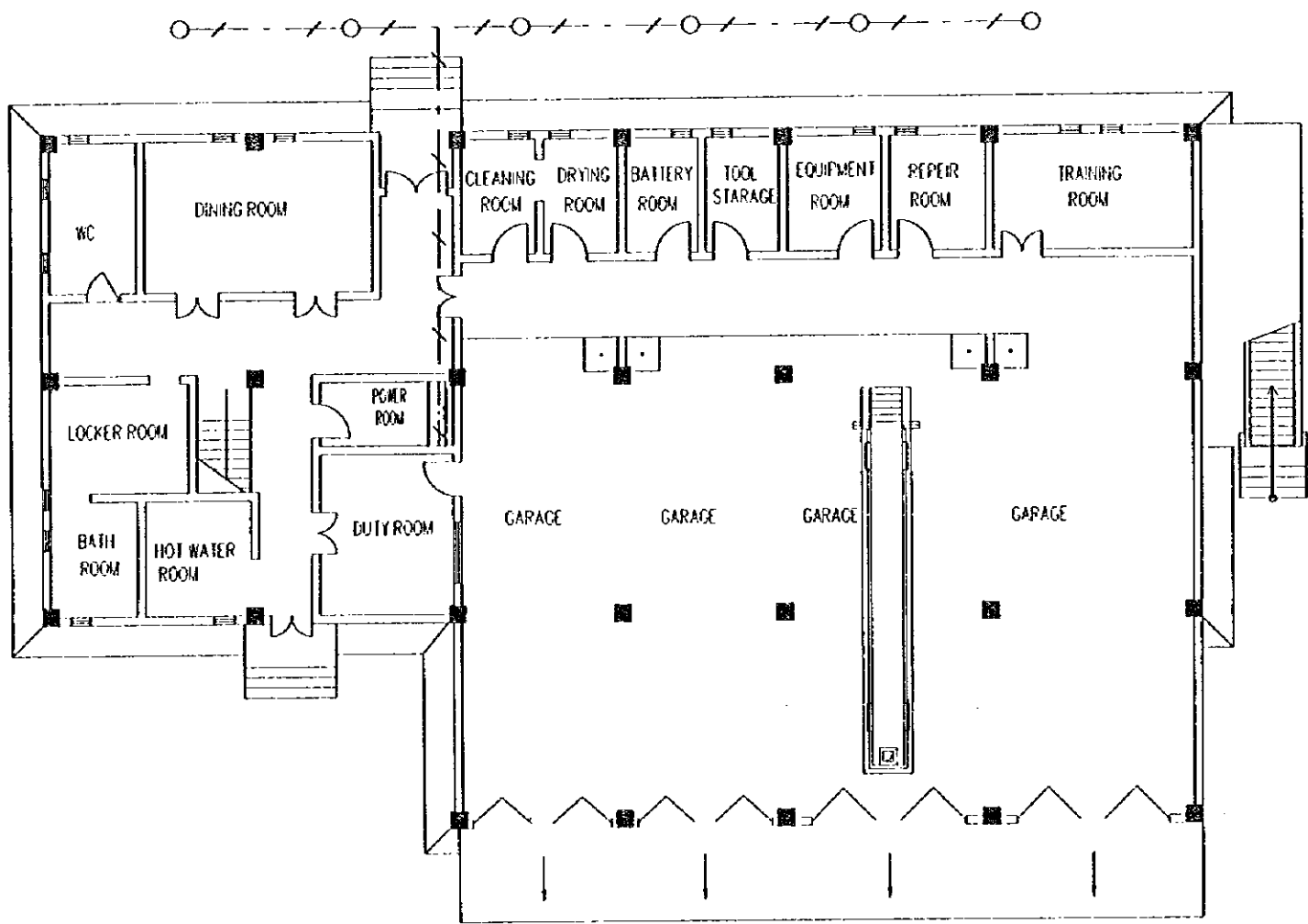


2ND FLOOR PLAB SCALE 1:100

CABLE NO.	CABLE LAID UNDERGROUND		CABLE TYPE	QUANTITY	ELECTRIC PIPE		REMARKS
	FROM	TO			TYPE	QUANTITY	
①	FIRE PUMP STATION LV CIRCUIT	SUB FIRE STATION ZBL POWER SERVICE SWITCH BOARD	2(VV-1KV 3X70+1X35)	80			
①	POWER PANEL CROU-11	1ST FLOOR DRYING ROOM CONTACT DISTRIBUTION BOX (Z1)	VV-1KV 3X6+1X4	5	G40	5	
②	POWER PANEL CROU-12	1ST FLOOR CLEANING ROOM CONTACT DISTRIBUTION BOX (Z2)	VV-1KV 3X10+1X6	20	G40	20	
③	POWER PANEL CROU-13	1ST FLOOR BATTERY ROOM CONTACT DISTRIBUTION BOX (K1)	VV-1KV 3X16+1X10	5	G40	5	
④	POWER PANEL CROU-14	1ST FLOOR FAN CONTACT DISTRIBUTION BOX (F)	VV-1KV 3X4+1X2.5	10	G32	10	
⑤	POWER PANEL CROU-15	1ST FLOOR DUTY ROOM CONTACT DISTRIBUTION BOX (K2)	VV-1KV 3X6+1X4	20	G40	20	

PEOPLE'S REPUBLIC OF CHINA	
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
POWER DISTRIBUTION PLAN	
SCALE	DWG 43-E3
JAPAN INTERNATIONAL COOPERATION AGENCY	

GROUNDING PLAN

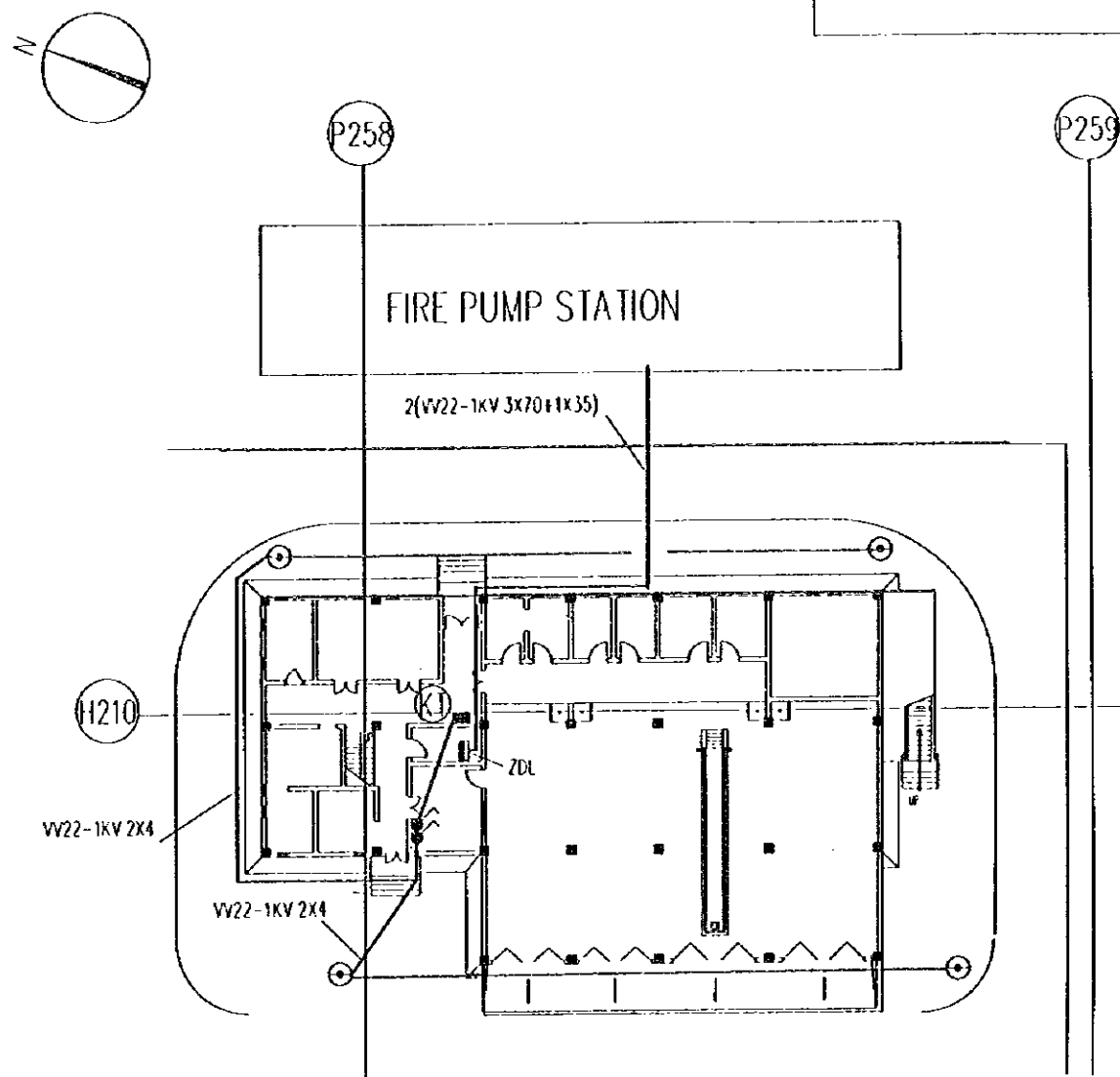


SCALE 1:100

NO.	SYMBOL	NAME	SPECIFICATION	UNIT	QUANTITY
2	○	GROUNDING ELECTRODE	L 50X50X5X250		6
1	—	EARTH WIRE	— 40X4	m	60

FACILITIES AND MATERIALS

POWER SUPPLY SYSTEM SITE PLAN AND ENVIRONMENT LIGHTING



SCALE 1:200

NO.	SYMBOL	NAME	SPECIFICATION	QUANTITY
4		POWER INTAKE CABLE	VV22-1KV 3X70+1X35mm ²	80
3		POWER INTAKE CABLE	VV22-1KV 2X4mm ²	260
2	⊙	ENVIRONMENT LIGHTING	HJ8791C 4X200W	4
1	⊚	SWITCH ENCLOSED	250A 10A	2

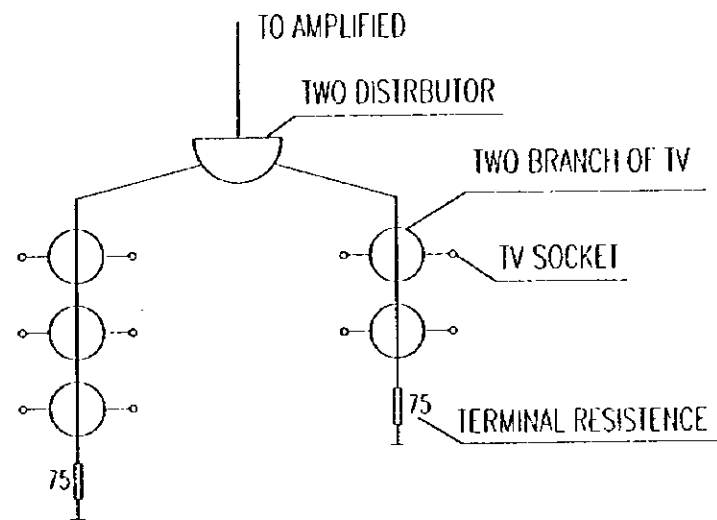
FACILITIES AND MATERIALS

PEOPLE'S REPUBLIC OF CHINA	
SUNGWAI PUONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997
POWER SUPPLY SYSTEM AND GROUNDING PLAN	
SCALE	DWG 43-E4
JAPAN INTERNATIONAL COOPERATION AGENCY	

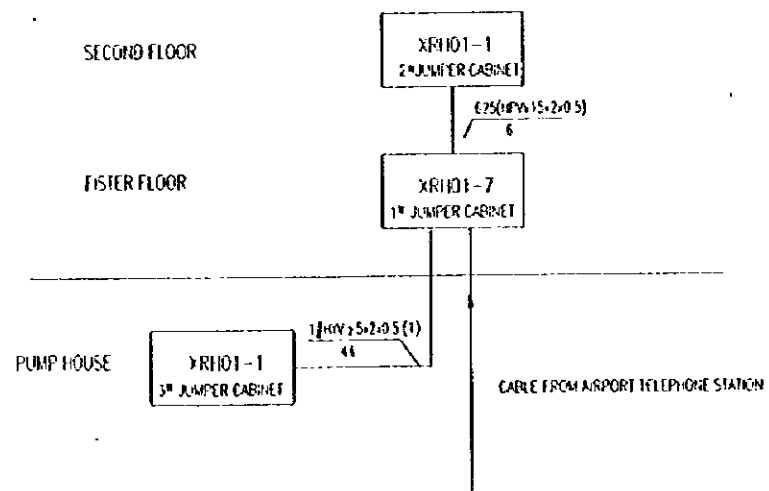
POWER DISTRIBUTION SWITCH BOARD TYPE	XL-51-12(CHANBGE)							
DIMENSION(W×T×H)	700X350X1700							
SWITCH BOARD NO	ZDL							
MAIN WIRING PLAN								
CIRCUIT NO.	L1	L2	L3	L4	L5	L6	L7	L8
LOAD (KW)	13	23	28	4	10			
USAGE	LOADING BOX (Z/1)	LOADING BOX (Z/2)	AIR CONDITONER BOX (KT)	FAN COOLER BOX (FJ)	BORING WATER HEATER (K/1)			
CABLE TYPE VV-1KV	3X6+1X4	3X10+1X6	3X15+1X10	3X1+1X2.5	3X6+1X4			
ELECTRIC PIPE	G40	G40	G40	G32	G40			
CABLE LENGH (m)	5	20	5	10	20			
FUSING SWITCH HR3-200/3	2							
AIR CIRCUIT BREAKER DZ20-100	8							
CURRENT TRANSFORMER LW1-D5	200/5X6							
FUSE AM1-10	6							
VOTMETER JE96	0-500VX2							
AMPERE METER JE96	0-200AX2							
WATT-HOUR METER DT862	2							
REMARK	SUB FIRE STATION							

FROM POWER PANEL	ZDL-L1	ZDL-L2	ZDL-L3
PANEL NO.	(Z/1)	(Z/2)	(KT)
PANEL TYPE	PXI(R)-4-3X4/1C	PXI(R)-4-3X4/1C	PXI(R)-4-3X4/1C
WIRING PLAN			
CIRCUIT NO.	N1-N12	N1-N12	N1-N8
PHASE ORDER	A B C A B C A B C A B C A B C A B C A B C	A B C A B C A B C A B C A B C A B C A B C A B C	ABC ABC A B C A B C A B C A B C
USAGE	10KW, 6KW, 10KW, 10KW, 10KW, 500V, 500V, 500V, 500V, 500V, 500V, 500V, STANDBY	10KW, 6KW, 6KW, 500V, 500V, 500V, 500V, 500V, 500V, 500V, 500V, STANDBY	500V, FAN, 500V, 1.6KW, 1.6KW, STANDBY
LOAD (KW)	0.68, 0.6, 1.5, 2.25, 1.0, 0.4, 0.6, 1.0, 4.5	1.2, 1.14, 1.2, 1.2, 1.2, 1.86, 2.98, 1.86, 2.98, 3.32	24, 0.03, 1.13, 1.6, 1.6
CABLE BY-500V	2.5mm ² , 4mm ² , 10mm ²	2.5mm ² , 4mm ² , 6mm ²	6mm ² , 3mm ² , 4mm ²
ELECTRIC PIPE	G15, G25, G15	G15, G20, G15	G32, G15
REMARK	SUB FIRE STATION 1ST FLOOR LIGHTING	SUB FIRE STATION 2ST FLOOR LIGHTING AND AIR COOLING EQUIPMENT	SUB FIRE STATION 1ST FLOOR AIR COOLING EQUIPMENT AND LIGHTING

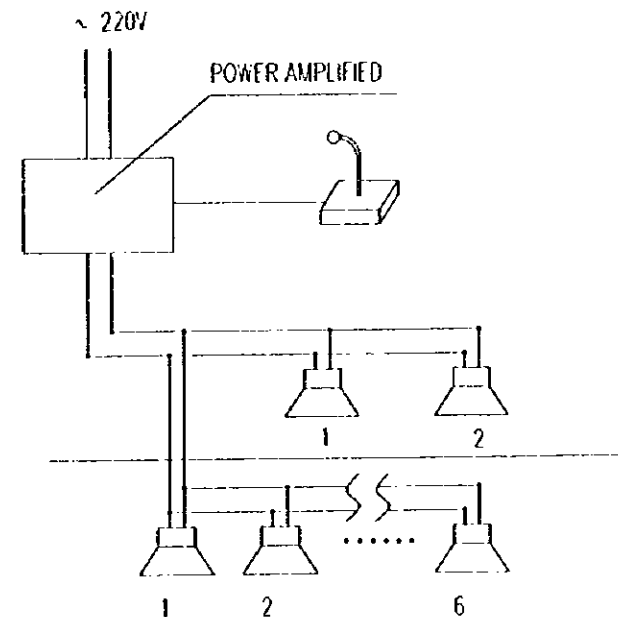
FROM POWER PANEL	PANEL TYPE	PANEL NO.	WIRING PLAN	CAPACITY	CABLE XV-500V	REMARK
ZDL-L5	XXL-51-07	(K/1)		10KW	4X4mm ²	SUB FIRE STATION 1ST FLOOR BORING WATER HEATER



SYSTEM DIAGRAM OF TV



SYSTEM DIAGRAM OF TELEPHONE



SYSTEM DIAGRAM OF BROADCAST

PEOPLE'S REPUBLIC OF CHINA		
SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT	SEPTEMBER 1997	
SYSTEM DIAGRAM OF TELEPHONE, BROADCAST AND TV		
SACLE	NON SCALE	DWG 43-EC1
JAPAN INTERNATIONAL COOPERATION AGENCY		