

EL 97,500

8160 ~ 8730
(8,445)

(S1) $p_{22} - 20 \times 6790$
2190 ~ 6400
(6785)

(S13) $D19 - 4 \times 1600$

(S27) $D19 - 8 \times 1800$ (S39)

(S39) $D13 - 8 \times 8450$

(S2) $D19 - 68 \times 6690$
6990 ~ 6400
(6685)

(S14) $D19 - 4 \times 1590$
1890 ~ 1300
(1585)

(S28) $D19 - 46 \times 2510$
(252505)

(S40) $D13 - 20 \times 2440$

(S3) $D19 - 104 \times 5670$
5380 ~ 5950
(5665)

(S15) $D19 - 8 \times 2500$

(S29) $D19 - 6 \times 3310$
3.064 ~ 3.564 (3.314)

(S41) $D13 - 20 \times 1770$

(S4) $D19 - 88 \times 6670$
6950 ~ 6380
(6665)

(S16) $D19 - 12 \times 1800$

(S30) $D19 - 74 \times 2980$
3.169 ~ 2.619 (2.894)

(S42) $D13 - 5 \times 8450$
8730 ~ 8160 (8,445)

(S5) $D19 - 60 \times 1760$

(S17) $D19 - 13 \times 6080$
6.078

(S31) $D19 - 6 \times 2890$
3.114 ~ 3.614 (3364)

(S43) $D13 - 5 \times 6690$
6.400 ~ 6970 (6685)

(S6) $D19 - 56 \times 1780$

(S18) $D19 - 2 \times 13700$

(S32) $D19 - 6 \times 3360$

(S44) $D13 - 8 \times 1000$

(S7) $D19 - 12 \times 5300$

(S19) $D19 - 8 \times 2780$

(S33) $D19 - 6 \times 2630$
平均

(S45) $D13 - 16 \times 8370$
(8,374 (平均))
8370

(S8) $D19 - 60 \times 1780$

(S19-1) $D19 - 8 \times 1560$

(S34) $D19 - 2 \times 3500$

(S9) $D19 - 4 \times 2080$

(S20) $D13 - 8 \times 8450$
8730 ~ 8160
(8,445)

(S35) $D19 - 2 \times 4740$

(S10) $D19 - 4 \times 4800$

(S21) $D19 - 12 \times 3790$
4.070 ~ 3.500
(3785)

(S36) $D19 - 2 \times 2150$

(S11) $D19 - 16 \times 1500$

(S22) $D19 - 6 \times 3400$

(S37) $D19 - 4 \times 2500$

(S12) $D19 - 8 \times 2500$

(S23) $D19 - 4 \times 2500$

(S38) $D19 - 8 \times 3780$

(S24) $D19 - 4 \times 2800$

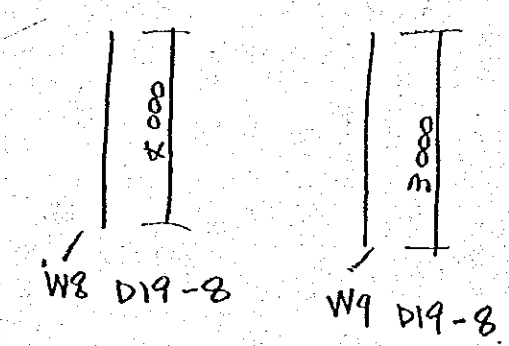
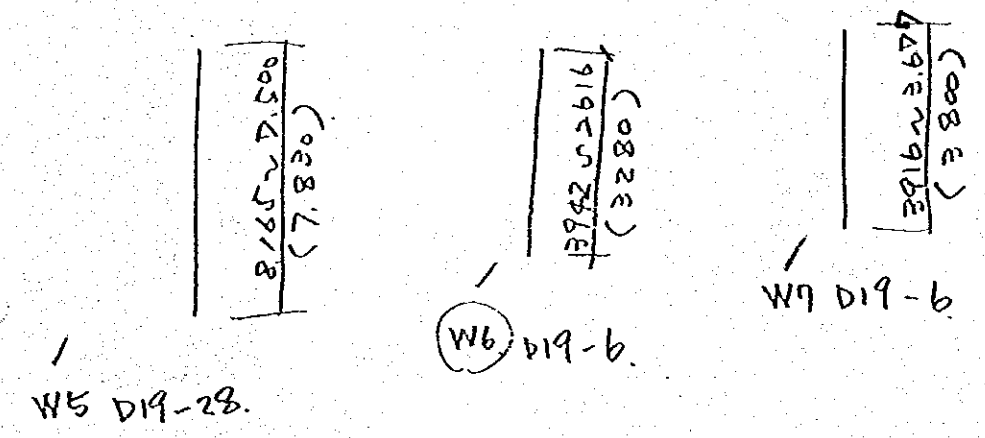
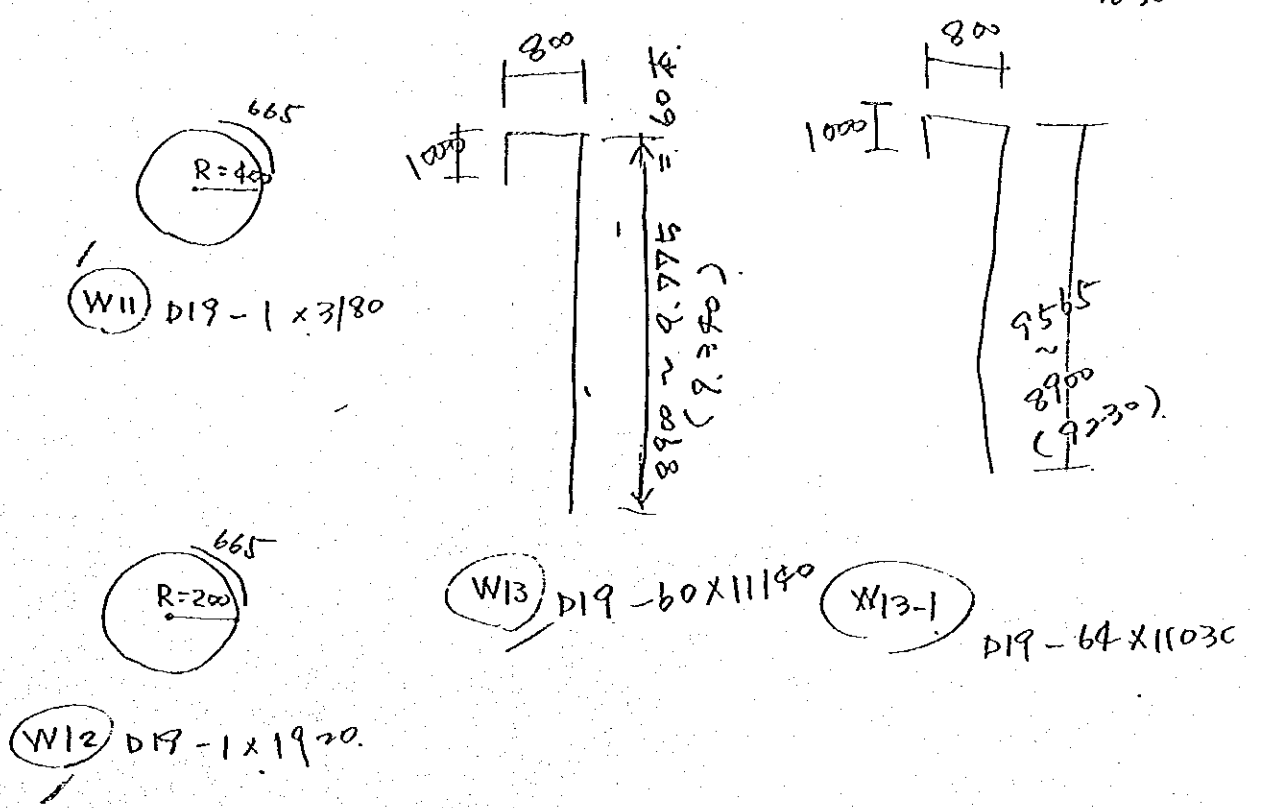
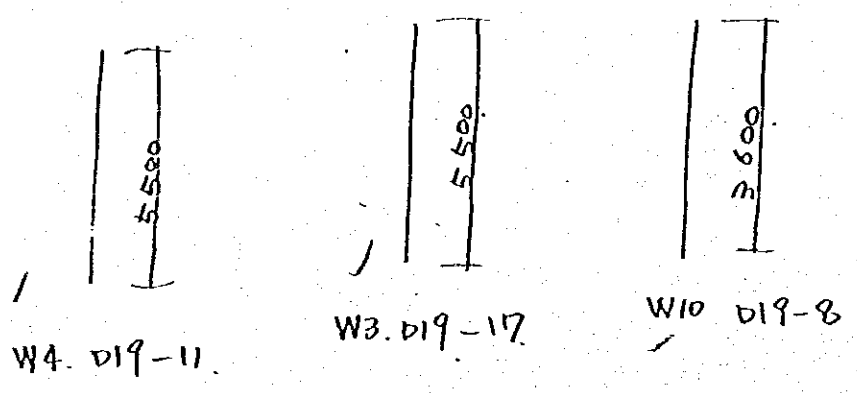
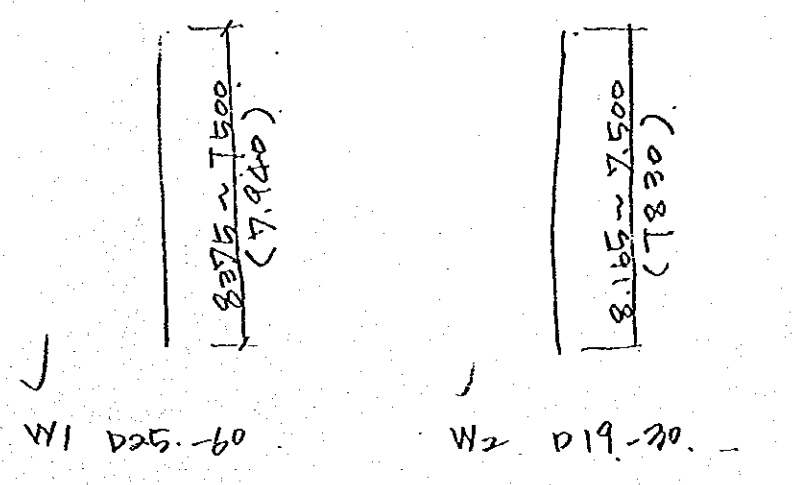
(S25) $D19 - 12 \times 1880$

(S26) $D19 - 8 \times 4400$

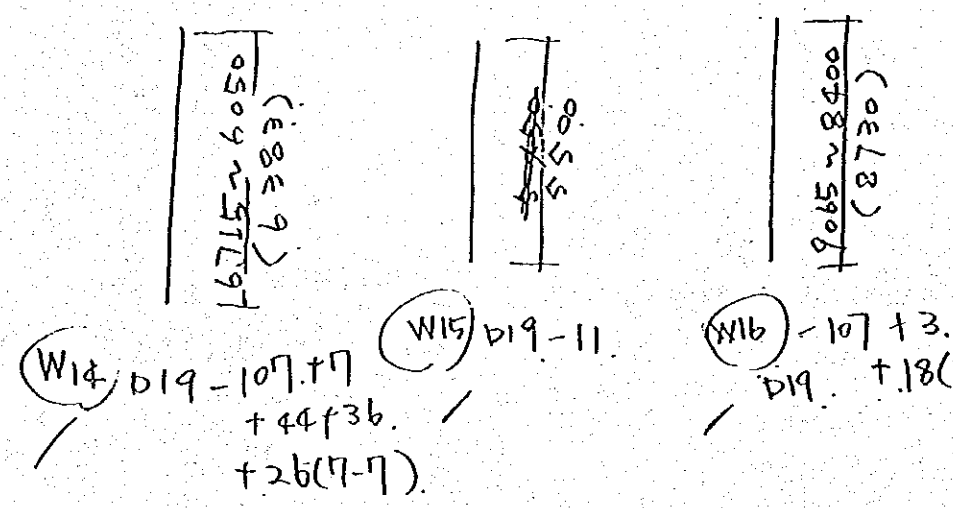
S36

2-2 (外側)

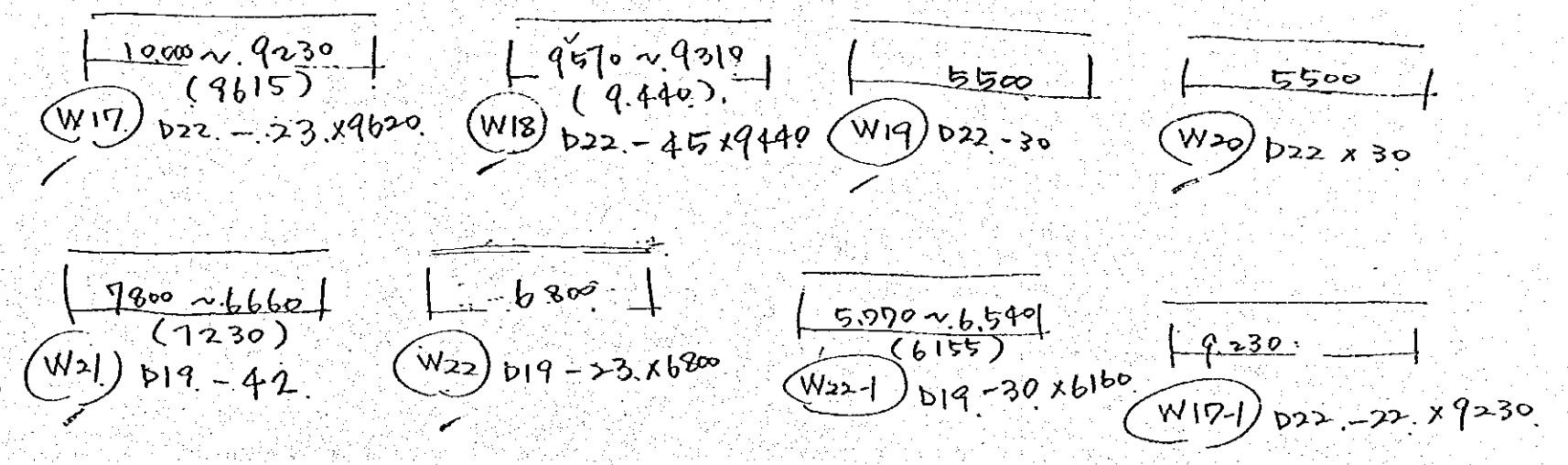
Hr.



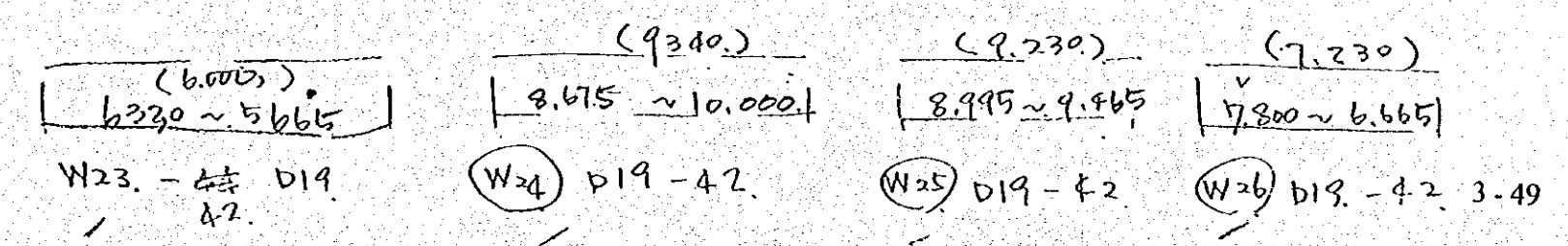
2-2 (内側)



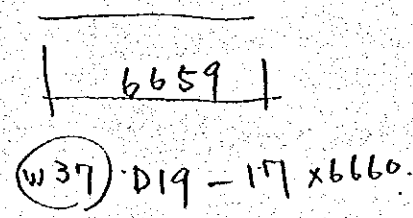
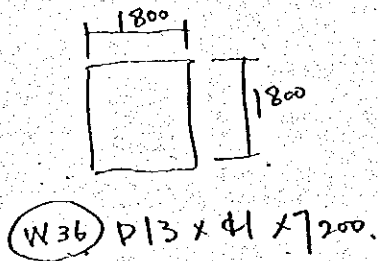
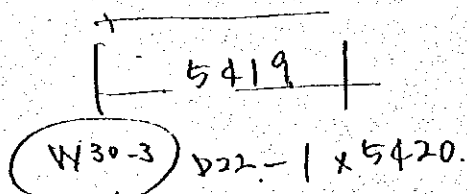
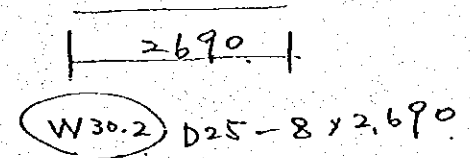
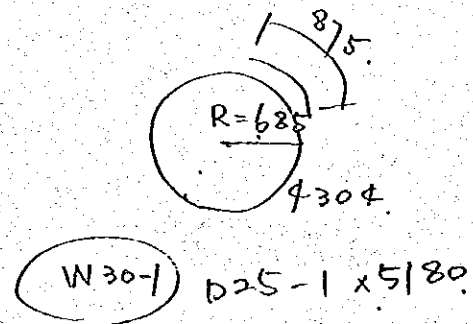
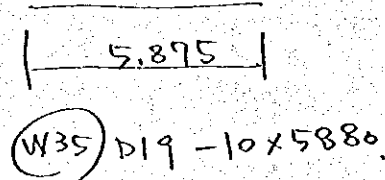
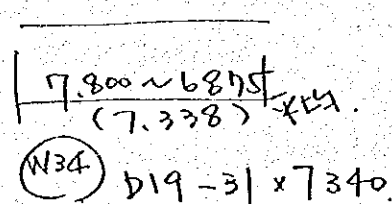
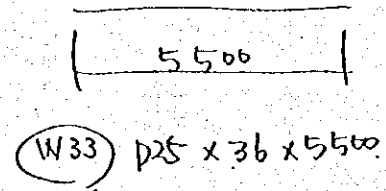
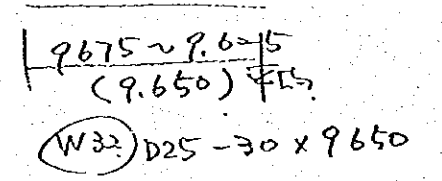
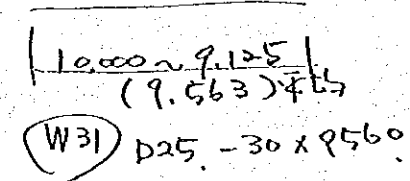
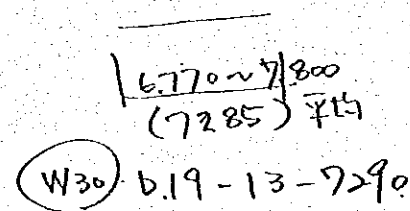
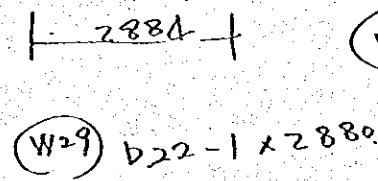
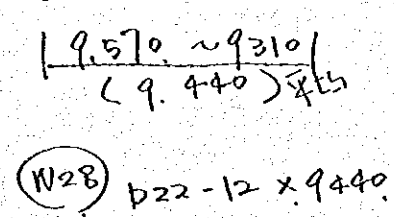
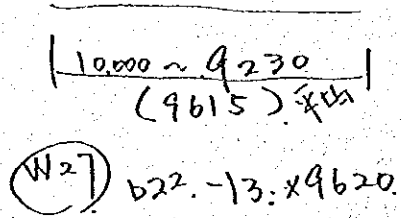
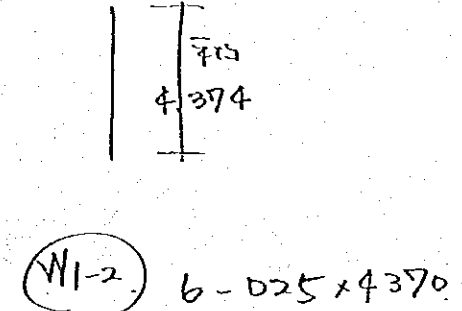
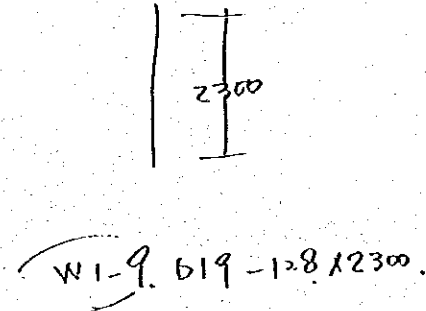
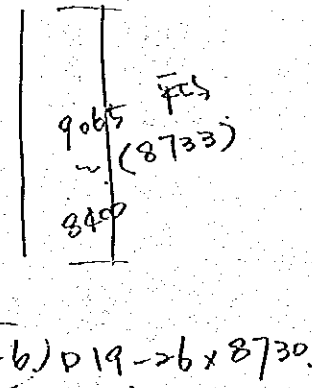
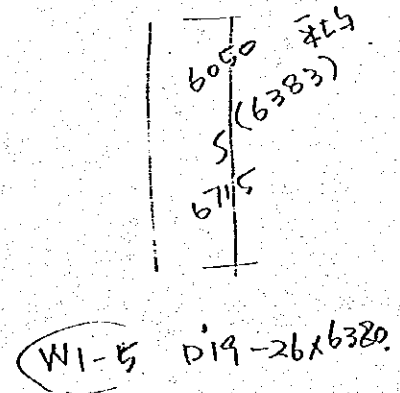
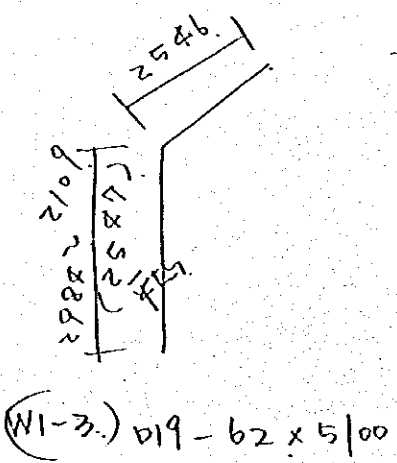
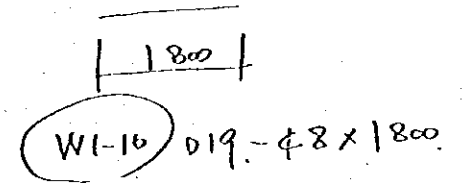
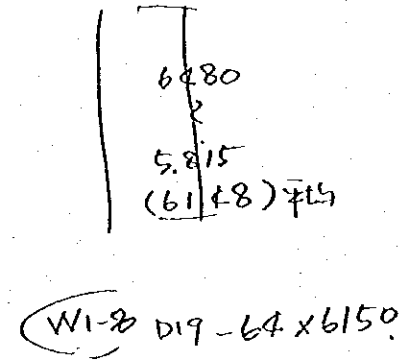
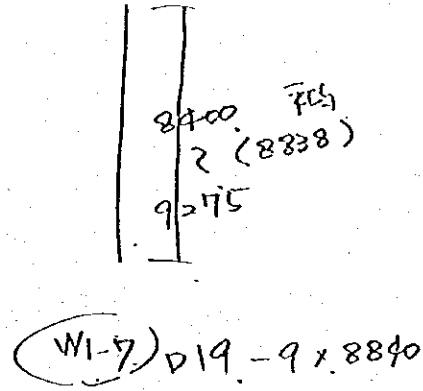
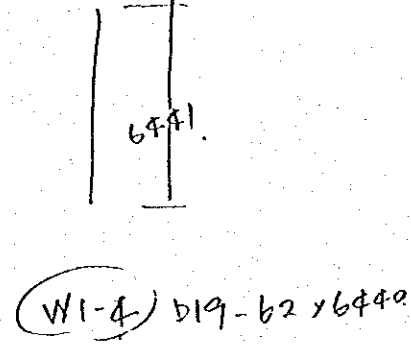
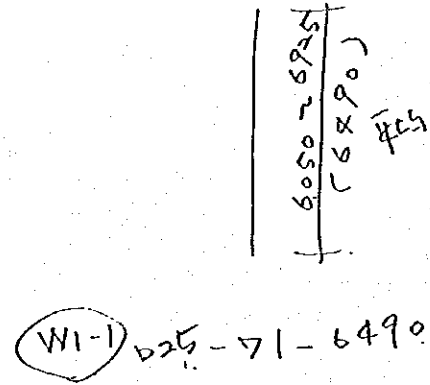
2-2 (外側)



2-2 (内側)



3-3. (外観)



$$\frac{10,000 \sim 9,335}{(9,668) \text{ 平均}}$$

W31-1 D19-43 x 9670

$$\frac{9,865 \sim 8,995}{(9,230) \text{ 平均}}$$

W32-1 D19-42 x 9230

$$\frac{6,665 \sim 7,800}{(7,233) \text{ 平均}}$$

W34-1 D19-43 x 7230

$$\frac{5,465}{}$$

W32-2 D19-1 x 5470

$$\frac{2,930}{}$$

W32-3 D19-1 x 2930

$$\frac{6,050 \sim 6,915}{(6,383) \text{ 平均}}$$

W38 D19-31 x 6380

$$\frac{9,065 \sim 8,400}{(8,733) \text{ 平均}}$$

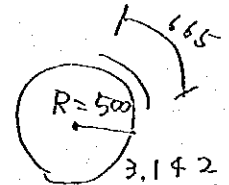
W39 D19-85 x 8730

$$\frac{2,000}{}$$

W40 D19-2 x 2000

$$\frac{2,320}{}$$

W41 D19-8 x 2320



W42 D19-1 x 3810

$$\frac{1,343}{}$$

F4 ~~W43~~ D19-4 x 1340

$$\frac{3,200}{}$$

~~W44~~ D19-4 x 3200
F4

$$\frac{4,225}{}$$

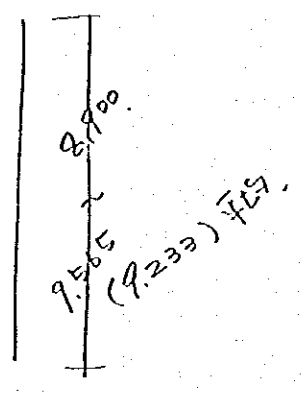
W43 D19-4 x 4230

$$\frac{8,000}{}$$

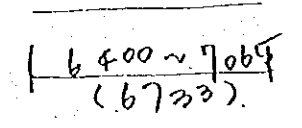
W44 D19-36 x 8000

2,000
3,142

4-4



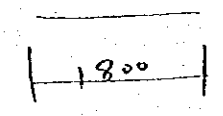
W13-F 2 D19-4 x 9230.



W45 D19 x 38 x 6730

+
40
+
40
+
11
+
11
+
7
+
7

254 F.



W46 D19 x 34 x 1800

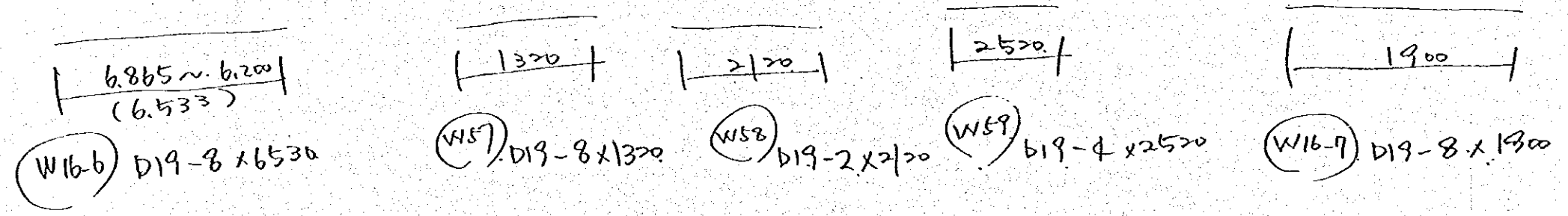
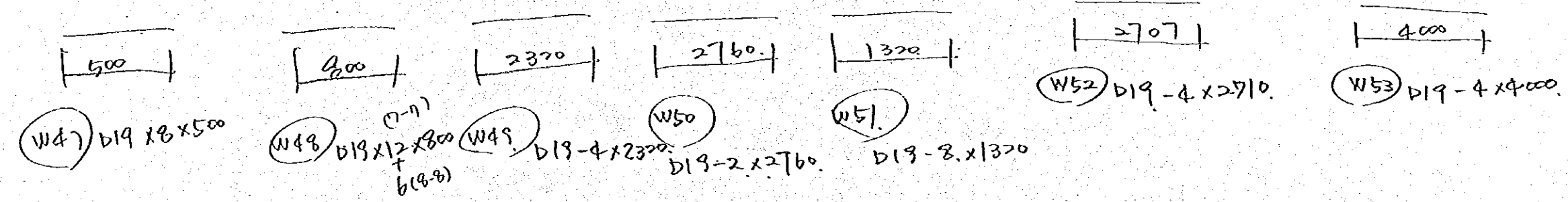
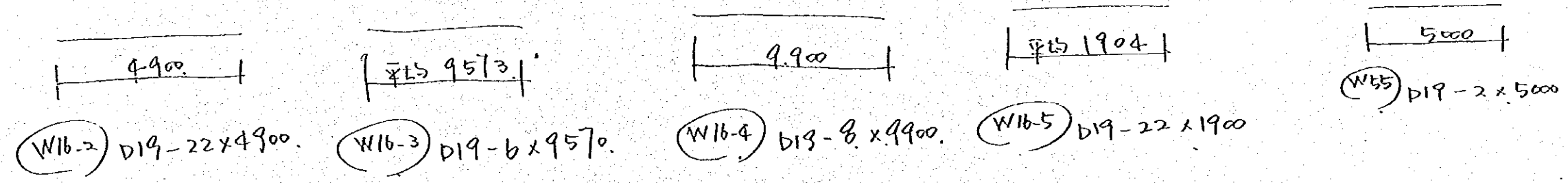
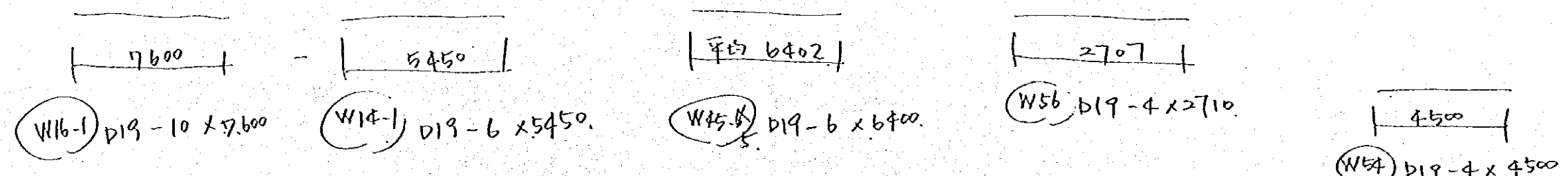
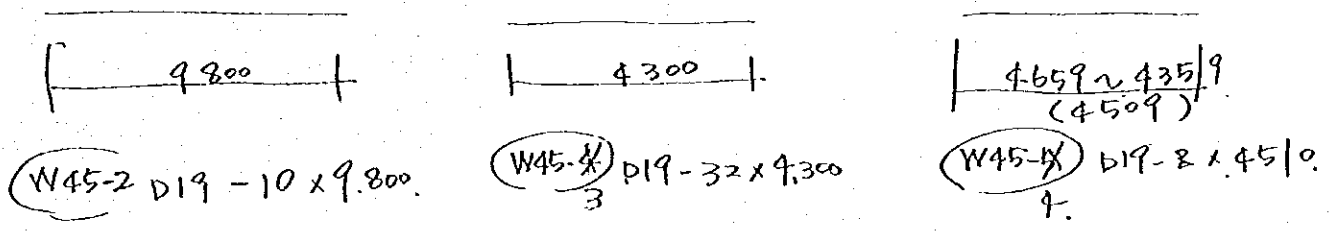
5-5 (外側)

11-34

2170 ~ 6400
(6785)

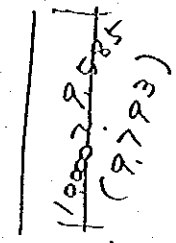
(W45-1) 022-21+21 x 6790

7-7

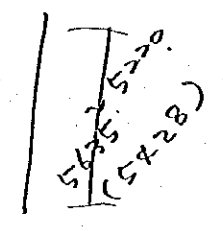


- W39 6730
- W16 8730
- W14 6530
- W38 6380
- 2312

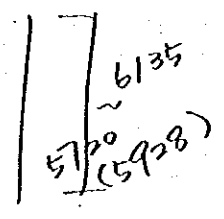
8-8.



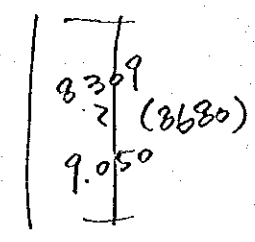
(W60) D22-46 x 9790.



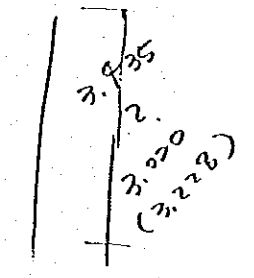
(W61) D19-39 x 5430.



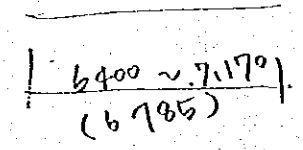
(W62) D19-3 x 5930.



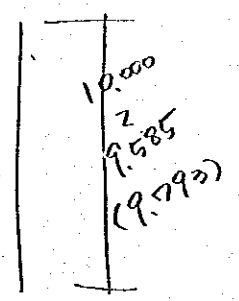
(W63) D19-4 x 8680.



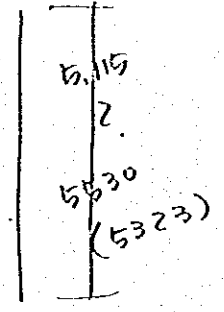
(W64) D22-4 x 3230.



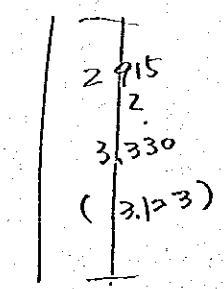
(W65) D22-18 x 6790.



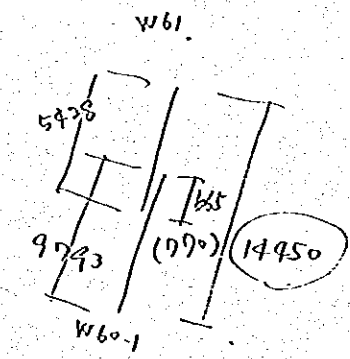
(W60-1) D19-36 x 9790.



(W60-2) D19-32 x 5320.



(W64-1) D19-4 x 3120.



$\textcircled{F41} \text{ D29} - \overset{50}{+} \overset{162}{\times} 6910$
 $\frac{7215 \sim 6400}{(6908)}$

$\frac{7215 \sim 6400}{(6908)}$

$\frac{4900}{}$

$\textcircled{F42} \text{ D29} - 140 \times 4900$

$\frac{4900 \sim 4580}{(4740)}$

$\textcircled{F43} \text{ D29} - 11 \times 4740$

$\frac{6590 \sim 6281}{(6736)}$
 $\textcircled{F45} \text{ D29} - 3 \times 6740$

$\frac{8780}{}$

$\textcircled{F44} \text{ D29} \times 9 \times 8780$

$\frac{3093}{}$

$\textcircled{F46} \text{ D29} - 3 \times 3090$

$\frac{1760}{}$

$\textcircled{F47} \text{ D29} - 12 \times 1760$

$\frac{4680}{}$

$\textcircled{F48} 1 - \text{D29} \times 4680$

$\frac{2780}{}$

$\textcircled{F49} 2 - \text{D29} \times 2780$

$\frac{300}{}$

$\textcircled{F410} 4 - \text{D29} \times 300$

$\frac{7395 \sim 638p}{(6888)}$

$\textcircled{F411} \text{ D29} - 10 \times 6890$

$\frac{8080}{}$

$\textcircled{F412} \text{ D29} - 2 \times 8080$

$\frac{4910}{}$

$\textcircled{F413} \text{ D29} - 2 \times 4910$

$\frac{4000}{}$

$\textcircled{F414} \text{ D29} - 4 \times 4000$

$\frac{7395 \sim 638p}{(6888)}$

$\textcircled{F415} \text{ D29} - 8 \times 6890$

$\frac{3480}{}$

$\textcircled{F416} \text{ D29} - 1 \times 3480$

$\frac{800}{}$

$\textcircled{F417} \text{ D29} - 8 \times 800$

$\frac{1760}{}$

$\textcircled{F418} \text{ D29} - 8 \times 1760$

$\frac{4180}{}$

$\textcircled{F419} \text{ D29} - 12 \times 4180$

$\frac{3680}{}$

$\textcircled{F420} \text{ D29} - 4 \times 3680$

$\frac{8500}{}$

$\textcircled{F421} \text{ D25} - 35 \times 8500$

$\frac{9400}{}$

$\textcircled{F422} \text{ D22} - 18 \times 9400$

$\frac{9400 \sim 9100}{(9250)}$

$\textcircled{F423} \text{ D22} - 15 \times 9250$

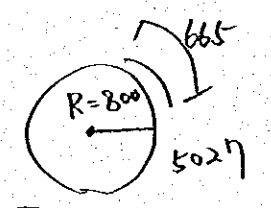
~~$\frac{9400 \sim 8900}{(9150)}$~~

~~$\textcircled{F424} \text{ D22} - 10 \times 9160$~~

24 ~ 29

~~$\frac{9400}{}$~~

~~$\textcircled{F425} \text{ D22} - 10 \times 9400$~~



$\textcircled{F435} \text{ D19} \times 1 \times 5690$

$\frac{6320 \sim 5660}{(5980)}$

$\textcircled{F430} \text{ D19} - 16 \times 5980$

$\frac{5570 \sim 614p}{(5855)}$

$\textcircled{F430-1} \text{ D19} - 104 \times 5860$

$\frac{6000}{}$

$\textcircled{F431} \text{ D19} - 13 \times 6000$

$\frac{8830 \sim 997p}{(9400)}$

$\textcircled{F432} \text{ D19} - 76 \times 9400$

$\frac{4215}{}$

$\textcircled{F433} \text{ D19} \times 6 \times 4200$

$\frac{4000}{}$

$\textcircled{F434} \text{ D19} \times 8 \times 4000$

~~$\frac{730}{}$~~

~~$\textcircled{F435} 730$~~

$\frac{9400 \sim 8740}{(9070)}$

$\textcircled{F437} \text{ D19} - 28 \times 9070$

$\frac{7800}{}$

$\textcircled{F438} \text{ D19} - 35 \times 7800$

$\frac{6660 \sim 7800}{(7230)}$

$\textcircled{F439} \text{ D19} - 18 \times 7230$

$\frac{7800 \sim 657p}{(7185)}$

$\textcircled{F440} \text{ D19} - 66 \times 7190$

$\overline{6400 \sim 7415}$
 (6908)
 (F424) D19-54 x 6910

$\overline{6950 \sim 6380}$
 (6665)
 (F425) D19-122 x 6670

$\overline{4880}$
 (F426) D19-38 x 4880

$\overline{3166}$
 (F427) D19-1 x 3170

$\overline{4400}$
 (F428) D19-3 x 4400

$\overline{1750}$
 (F429) D19-2 x 1750

$\overline{3747}$
 (F430) D19-6 x 3750

$\overline{1300}$
 (F420.1) D29-7 x 1300

$\overline{1000}$
 (F420.2) D29-4 x 1000

$\overline{1800}$
 (F420.3) D29-5 x 1800

$\overline{600}$
 (F420.4) D29-4

$\overline{950}$
 (20.5) D29-1 x 950

$\overline{3030}$
 (20.6) D29-1 x 3030

$\overline{5947}$
 (F441) D19-6 x 5950

$\overline{2120}$
 (F442) D19-4 x 2120

$\overline{3220}$
 (F443) D19-2 x 3220

$\overline{1333}$
 (F444) D19-6 x 1330

$\overline{0.897 \sim 0.764}$
 (831)
 (20.7) D29-2 x 830

$\overline{2800}$
 (F445) D19-1 x 2800

$\overline{1900}$
 (F446) D19-1 x 1900

$\overline{1800}$
 (F447) D19-4 x 1800

$\overline{2600}$
 (F448) D19-1 x 2600

$\overline{3820}$
 (F449) D19-4 x 3820
 (4488 ~ 3134) (3816)

$\overline{4390}$
 (F450) D19-9 x 4390
 (3700 ~ 5000) (4385)

$\overline{6700 \sim 5410}$
 (6085)
 (F451) D19-9 x 6090

$\overline{2290}$
 (F452) D19-7 x 2290
 (1670 ~ 2900) (2285)

$\overline{3960}$
 (F453) D19-1 x 3960
 3959

$\overline{3340}$
 (F454) D19-4 x 3340
 3343

$\overline{2980}$
 (F455) D19-10 x 2980
 2980

$\overline{1720}$
 (F456) D19-4 x 1720

$\overline{2120}$
 (F457) D19-4 x 2120

$\overline{6050}$
 (F458) D19-1 x 6050
 6045

$\overline{3000}$
 (F459) D19-1 x 3000

$\overline{3190}$
 (F460) D19-5 x 3190
 (2570 ~ 3800) (3185)

$\overline{4190}$
 (F461) D19-6 x 4190
 (3570 ~ 4800) (4185)

$\overline{1600}$
 (F462) D19-1 x 1600

$\overline{2000}$
 (F463) D19-4 x 2000

$\overline{3600}$
 (F464) D19-7 x 3600

$\overline{2900}$
 (F466) D19-1 x 2900

$\overline{3300}$
 (F465) D19-5 x 3300

$\overline{7700}$
 (F467) D19 x 1 x 7700
 3-57

29
11
25

(F468) D19-1 x 2.700

(F469) D19-3 x 1400

(F470) D19-3 x 300

(F471) D19-3 x 1000

(F472) D19-2 x 4140
4.375 ~ 3900 (4138)

(F473) D19-1 x 2.300

(F474) D19-4 x 1090
1.370 ~ 0.800 (1085)

(F475) D19-1 x 2060

(F476) D19-2 x 950

(F477) D19-3 x 2000

(F478) D19-2 x 1630
1.460 ~ 1.800 (1630)

(F479) D19-1 x 600

(F480) D19-4 x 1330
1.397 ~ 1.264 (1331)

(F481) D19-8 x 4000

(F482) D19-1 x 4120

(F483) D19-2 x 2.150

665
550
R2

F484. D25 - 124 x 4840.

~~F484-1 D22-19 x~~

F485 D19 - 124 x 5930.

~~F484-2 D22-29 x~~

F486 D19 - 55 x 3800

F487 D19 - 124 x 4800

F488 D19 - 124 x 2250.

F489 D19 - 51 x 6000.

90 D19 - 24 x 7690

91 D19 - 27 x 9400

92 D19 - 36 x 4700

93 D19 - 2 x 3170

94 D19 - 27 x 9170

95 D19 - 27 x 7230

96 D19 - 48 x 5750

97 D19 - 48 x 3410

98 D19 - 48 x 2430

F499 D19 - 57 x 5830.

109 D19 - 52 x 6.770 (6768)

101 D19 - 8 x 2.362 ~ 0.847 (1.605)

102 D19 - 47 x 6.573 ~ 7.380 = 67 4704 ~ 2322 = 127

103 D19 - 23 x 5.880 (6020 (6.022) 765)

104 D19 - 16 x 6.880

105 D19 - 14 x 3710

106 D19 - 19 x 8920

107 D19 - 11 x 7150

109 D19 - 15 x 5.950 765

109 D19 - 26 x 3.490 (3.486)

110 D19 - 8 x 5.160 (765 5155)

111 D19 - 50 x 2.130

112 D19 - 27 x 5050

113 D19 - 18 x 2680 765

114 D19 - 40 x 5.670 765

115 D19 - 7 x 3.220

116 D19 - 51 x 6290

117 D19 - 57 x 3.250

F4118 D19 - 50 x 6210

5728
100

(5.832)
3.991 ~ 7.672

5.107 ~ 7.116 = 187
7.116 ~ 347

2.362 ~ 0.847 (1.605)

6.573 ~ 7.380 = 67 4704 ~ 2322 = 127

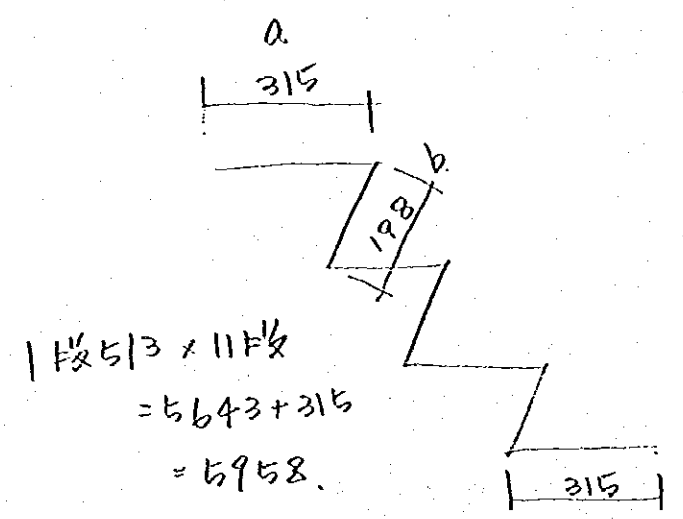
7.380 ~ 5.891 = 227
5.891 = 97

6.520 ~ 890 (3705)

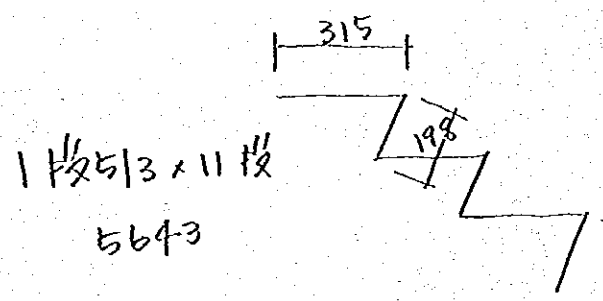
13.083 ~ 4.752 (8918)

7.873 ~ 6.428 (7.151)

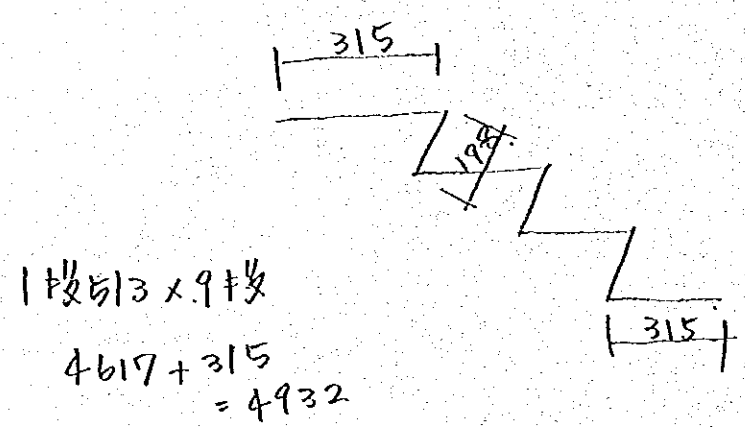
3.590 ~ 2.869 67
3.750 187



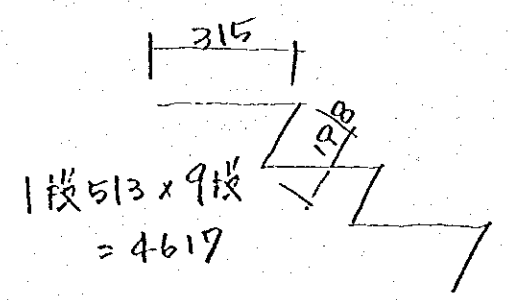
(K1) $\Phi 13-10. \times 5950.$



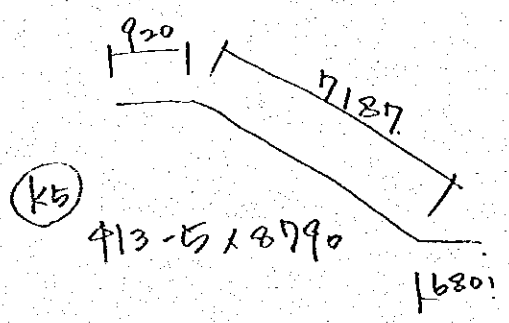
(K2) $\Phi 13-10. \times 5640.$



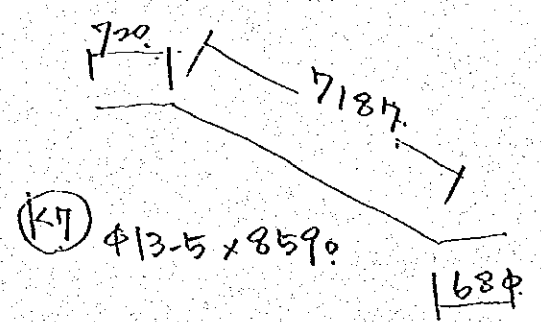
(K3) $\Phi 13-5 \times 4930.$



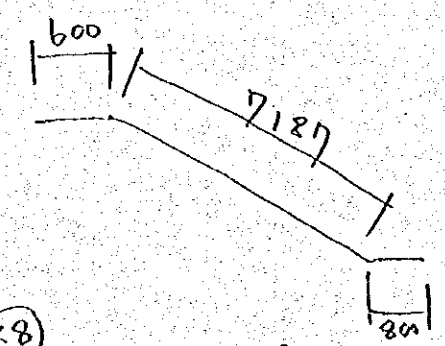
(K4) $\Phi 13-5 \times 4620.$



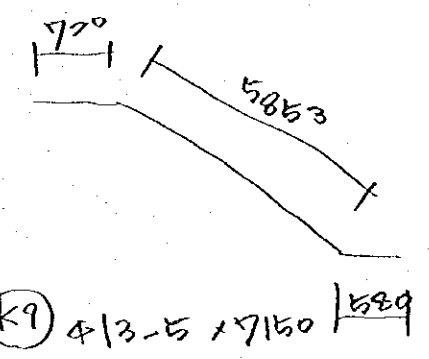
(K5) $\Phi 13-5 \times 8590.$



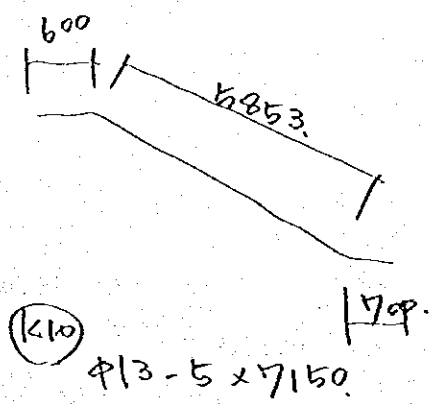
(K7) $\Phi 13-5 \times 8590.$



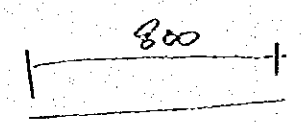
(K8) $\Phi 13-5 \times 8590.$



(K9) $\Phi 13-5 \times 7150.$



(K10) $\Phi 13-5 \times 7150.$



(K11) $\Phi 13-198 \times 800.$

$23 \times 3 + 1 =$
 $23 \times 3 + 1 =$
 $19 \times 3 + 1 =$
 198

6. WATER STOP

P.19 ~ P.21

$$L = 30.00 + 20.25 + 20.25 = 70.50 \text{ m}$$

7. JOINT MATERIAL

P.19 ~ P.21

$$A = A_1 + A_2 (\text{JWCAD19}) + A_3 (-) = 30.00 \times 2.50 + 51.505 \text{ m}^2 + 83.928 \text{ m}^2 = 210.23 \text{ m}^2$$

8. HANDRAIL

P.22

EL. 97.500	$L_1 = 15.00 + 8.00 + 1.00 + 13.00 + 0.25 + 7.95$	= 45.00 m
EL. 93.00	$L_2 = 1.13 + 9.40 + 1.13 + 3.80 + 0.50$	= 15.96 m
	計	60.96 m

9. HANDRAIL FOR STAIRS

P.10, P14

$$L = \sqrt{4.50^2 + 5.95^2} \times 2 + \sqrt{3.60^2 + 4.95^2} + 1.25 = 21.81 \text{ m}$$

14.603 5.96

10. DRAINAGE PIPE (STEEL 鋼管)

P.11, P22

φ150	$L = 19.00 \text{ m}$	$21.7 \text{ kg/m} \times 19.00 \times 2^{\text{set}} = 824.6 \text{ kg}$	(排水用)
φ250	$L = 2.00 \text{ m}$	$41.2 \text{ " } \times 2.00 = 82.4 \text{ "}$	(4.7" 用)
φ400	$L = 2.00 \text{ m}$	$59.2 \text{ " } \times 2.00 = 118.4 \text{ "}$	(")
φ650	$L = 2.00 \text{ m}$	$96.8 \text{ " } \times 2.00 = 193.6 \text{ "}$	(")
φ800	$L = 2.00 \text{ m}$	$159.0 \text{ " } \times 2.00 = 318.0 \text{ "}$	(")
		計	$= 1,539.0 \text{ kg}$ (1.54 t)

11. DRAINAGE PUMP

2 sets.

12. SPIRAL STAIRCASE

1 set (H=12.60m ϕ 2.0m)

13. GRATING

14. Grating

P.13, P.22

DRAIN PIT	$A = 2.00 \times 1.40$	= 2.80 m ²	
DRAINAGE W150 x D50	$A = 0.15 \times 3.00$	= 0.45 "	(EL. 93.000)
"	$A = 0.15 \times 3.85$	= 0.58 "	(EL. 84.900)

15. Steel Cover
CABLE DUCT3.83 m²

W300 x D300	$A = 0.30 \times (3.50 + 0.70 + 0.50 \times 2)$	= 1.56 "	(EL. 84.900)
W500 x D400	$A = 0.50 \times (1.90 + 2.00 + 2.90)$	= 3.40 "	(")
W700 x D400	$A = 0.70 \times 5.70$	= 3.99 "	(")

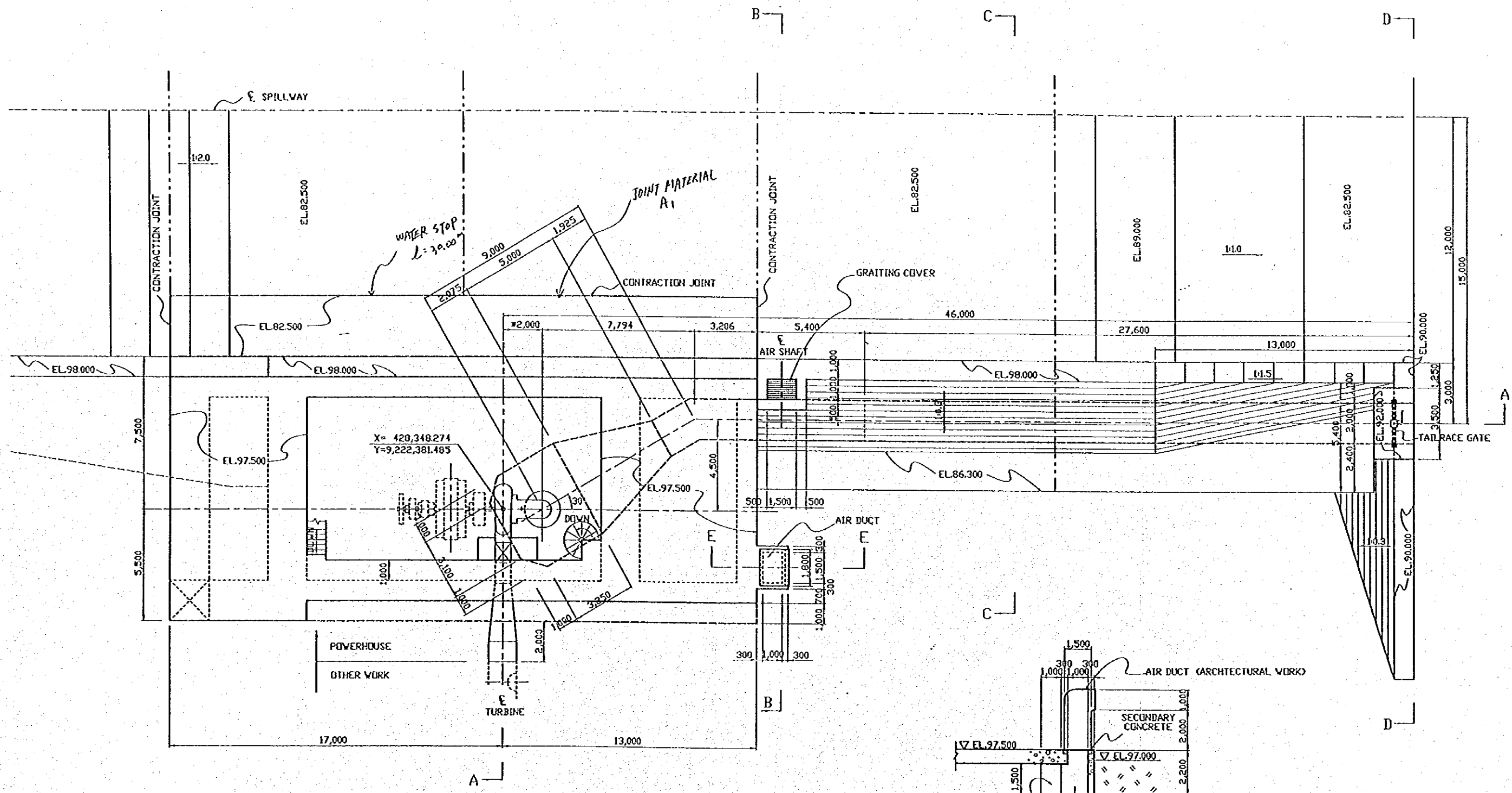
 計 8.95 m²

16. GROUNDING

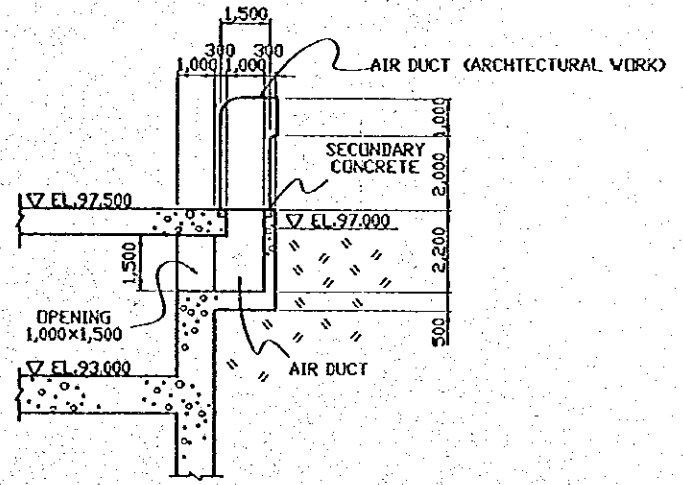
17. Clearing surface in Foundation for Powerhouse
(below EL. 80.0m)

$$A_{cs} = 3.14 \times 2.3 \times (\sqrt{83.42/3.14} + \sqrt{137.94/3.14}) + 83.42$$

$$= 168.51 (m^2)$$

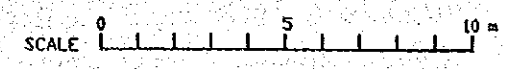


GENERAL PLAN



SECTION E-E

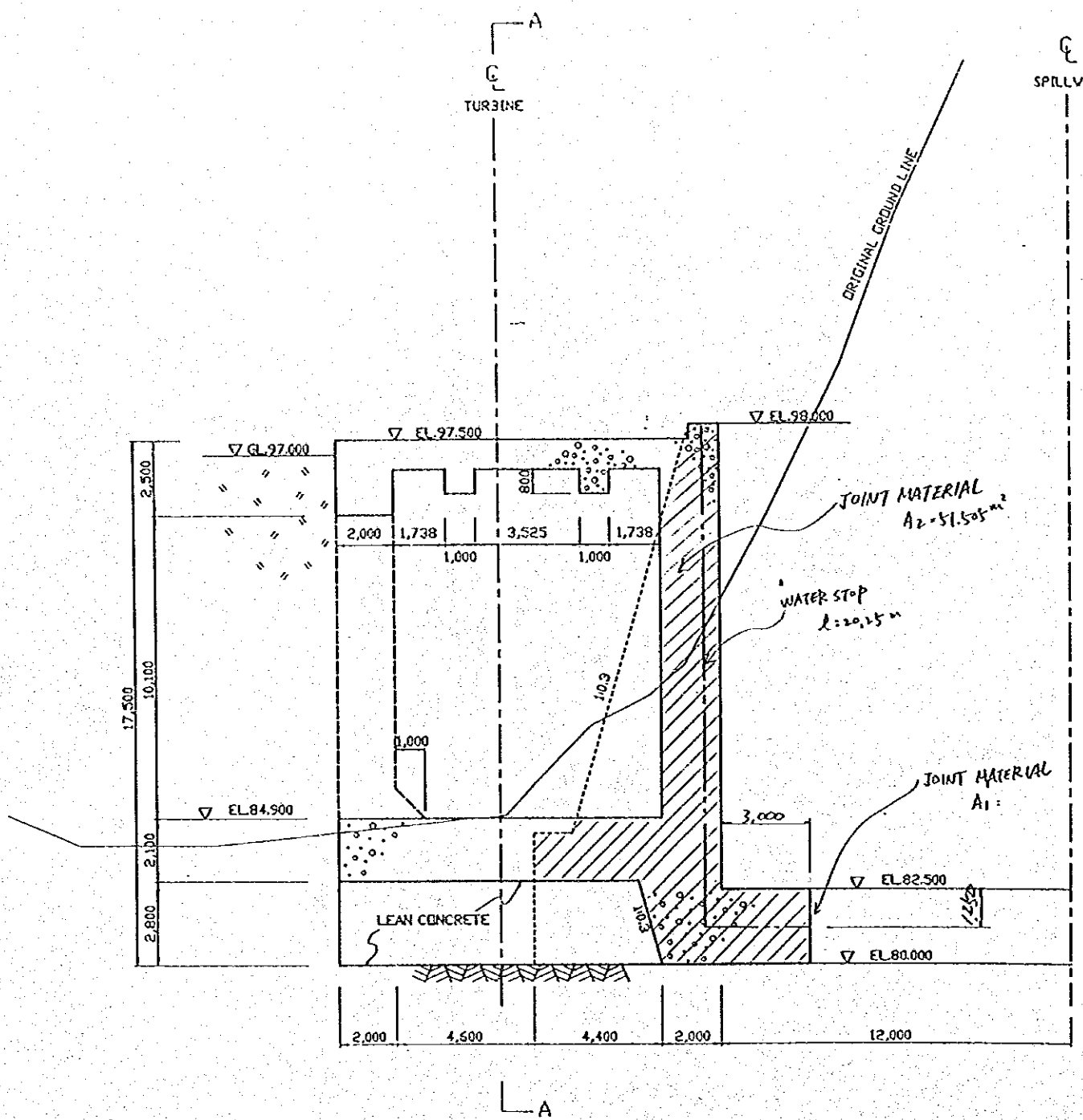
- NOTES:
1. THE ARCHITECTURAL WORK OF THE POWERHOUSE IS NOT SHOWN IN THIS DRAWING.
 2. BACKFILL TO BE FILLED UP TO EL.97.000 IS NOT SHOWN IN THIS DRAWING.
 3. THE DIMENSION MARKED WITH * AND RELATED DIMENSIONS MAY BE CHANGED DEPENDING ON THE SIZE OF A TURBINE.



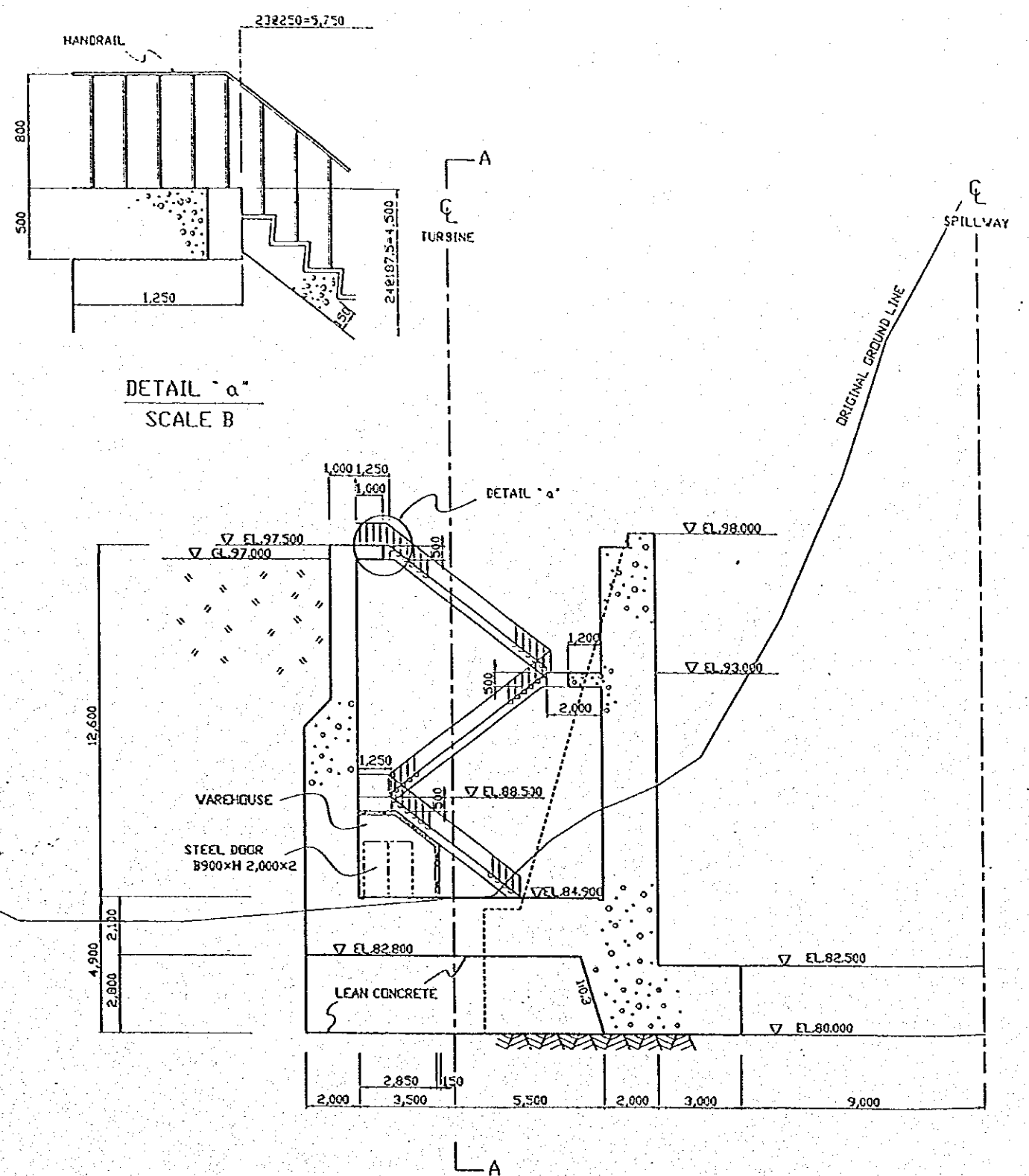
THE DETAILED DESIGN OF FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
 JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 1-5 JATIBARANG DAM
 POWERHOUSE AND TAILRACE
 GENERAL PLAN

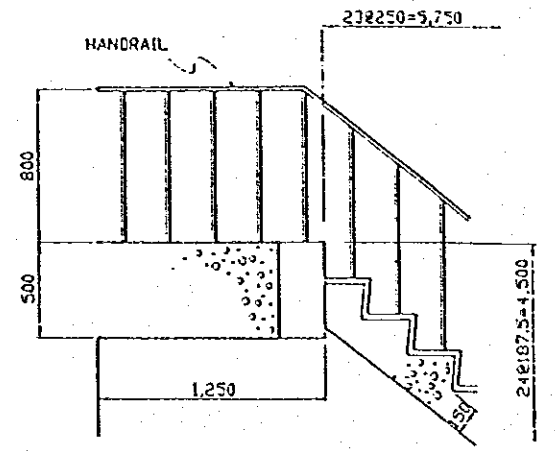
上流側



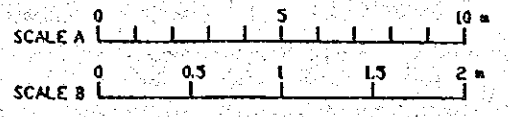
SECTION B-B
SCALE A

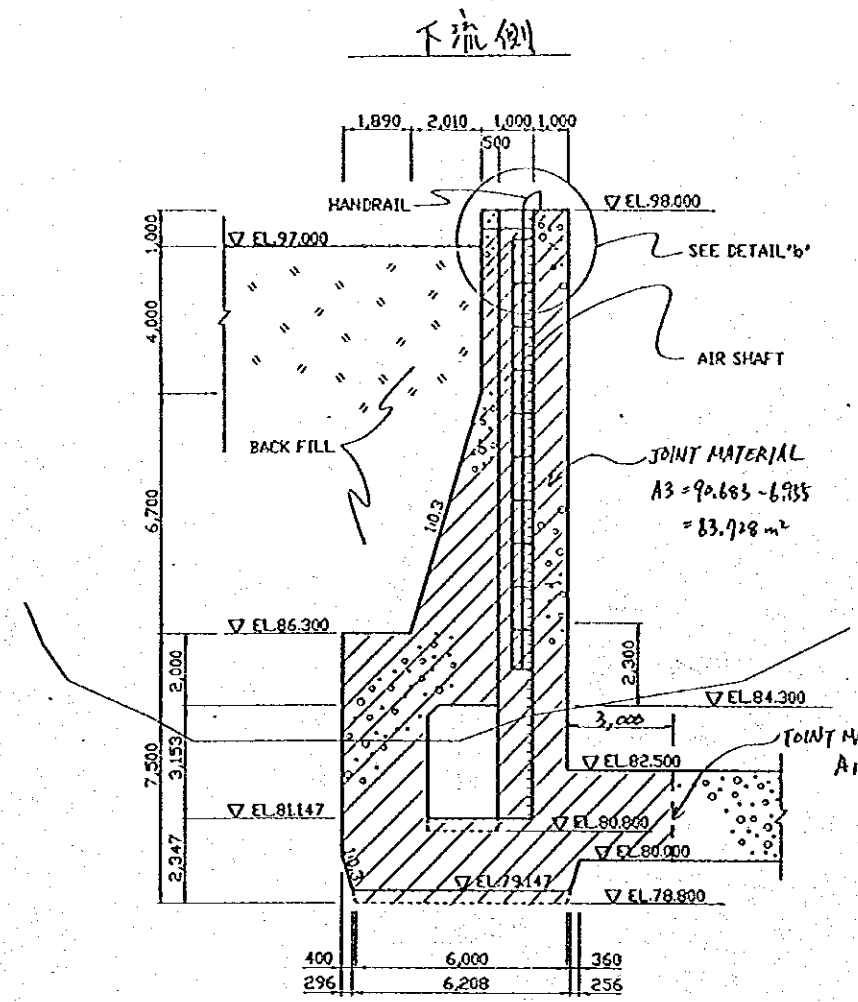


SECTION C-C
SCALE A

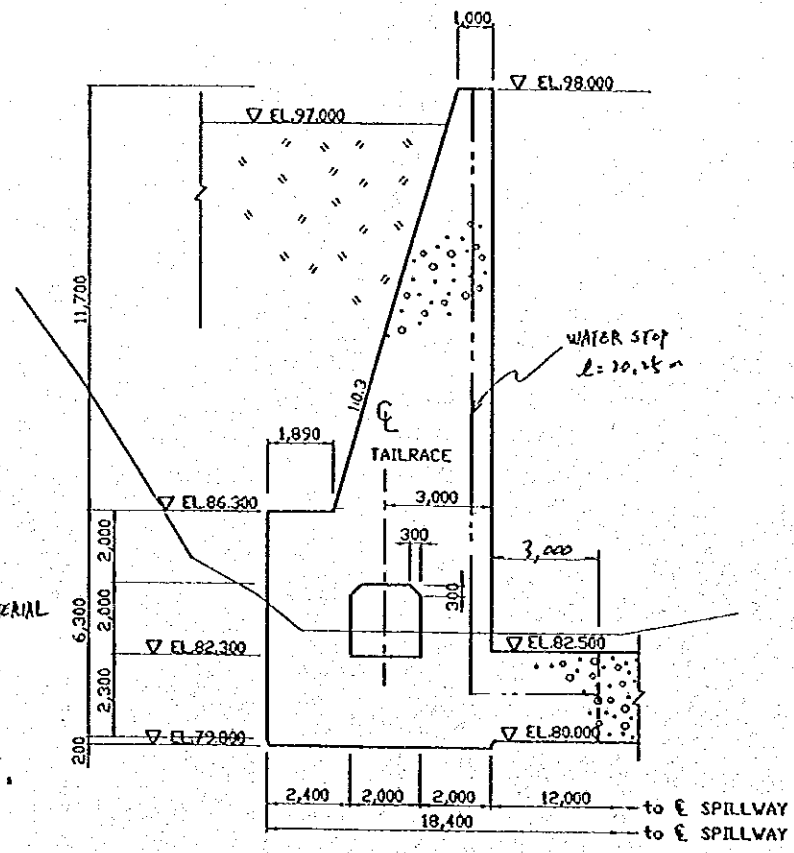


DETAIL "a"
SCALE B

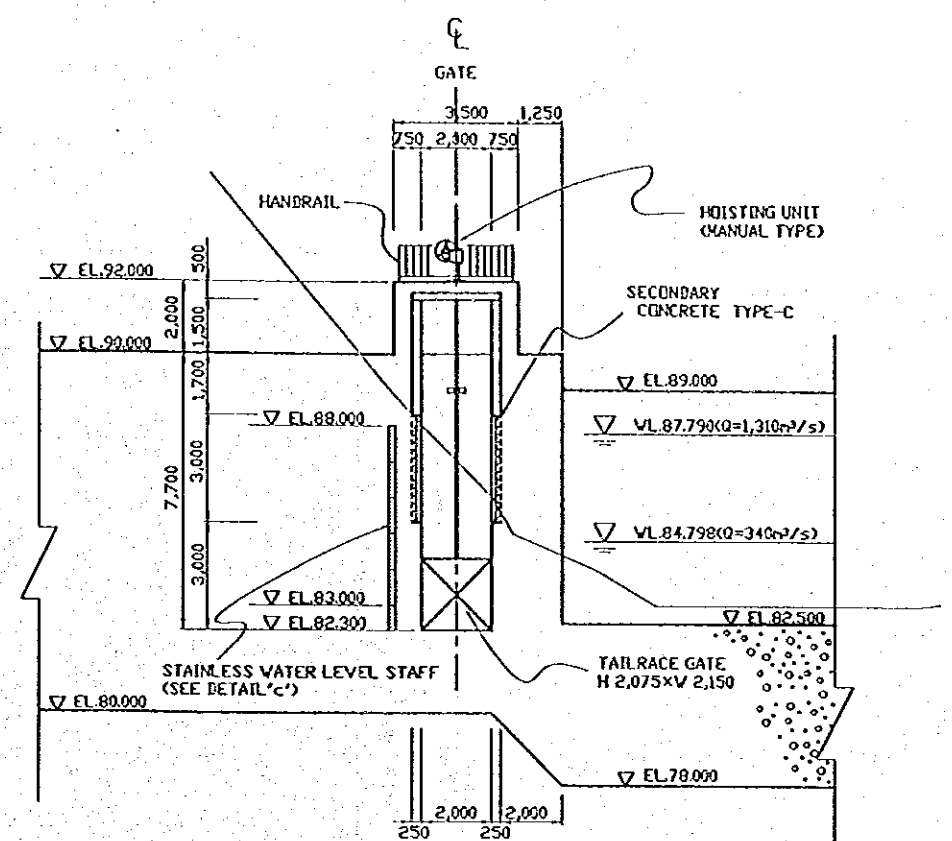




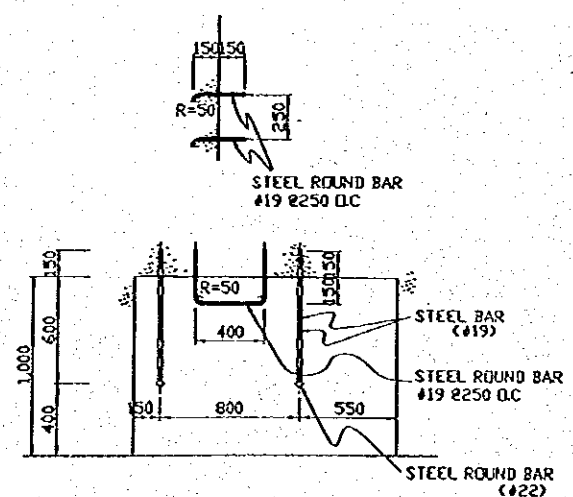
SECTION B-B
SCALE A



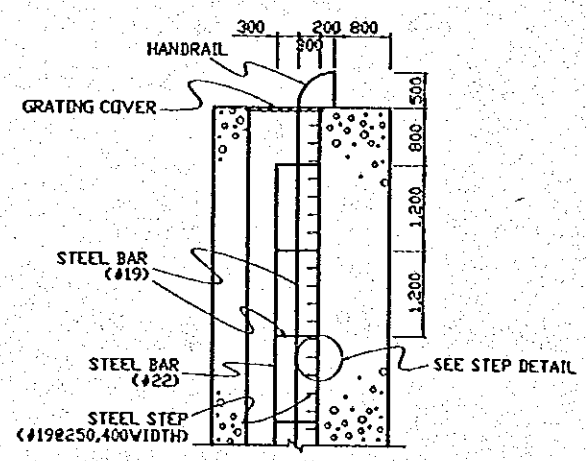
SECTION C-C
SCALE A



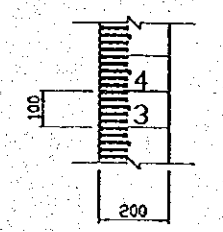
SECTION D-D
SCALE A



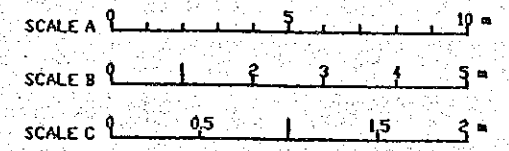
STEP DETAIL
SCALE C



DETAIL 'b'
SCALE B



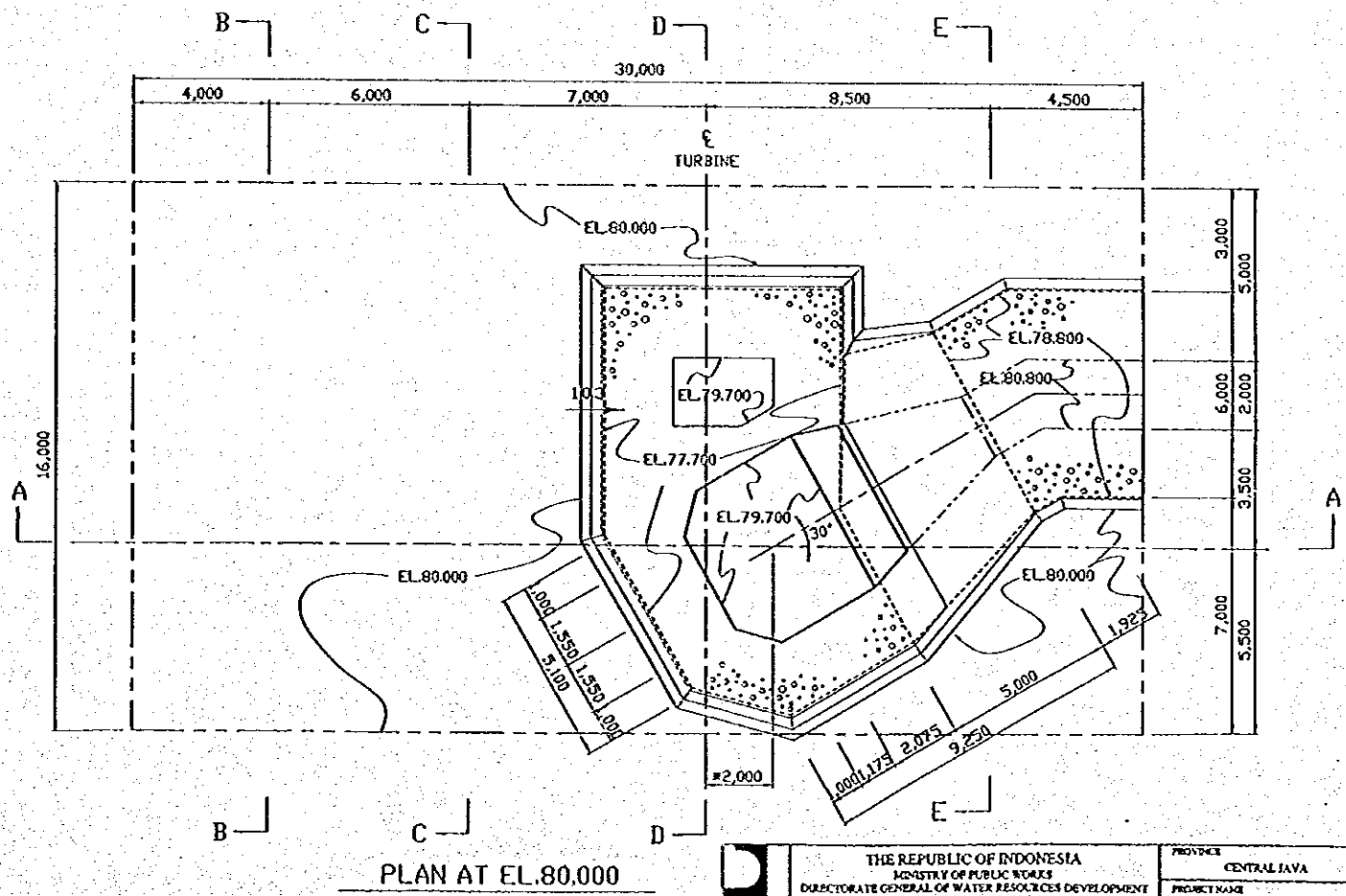
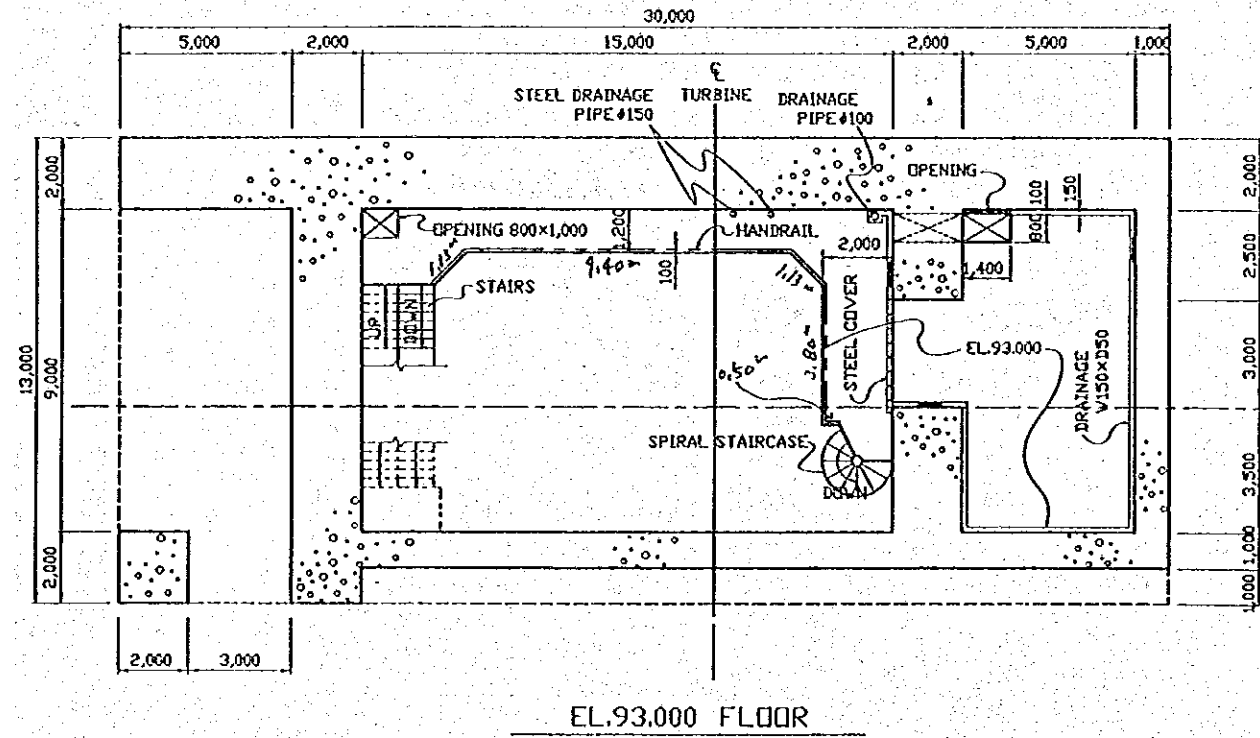
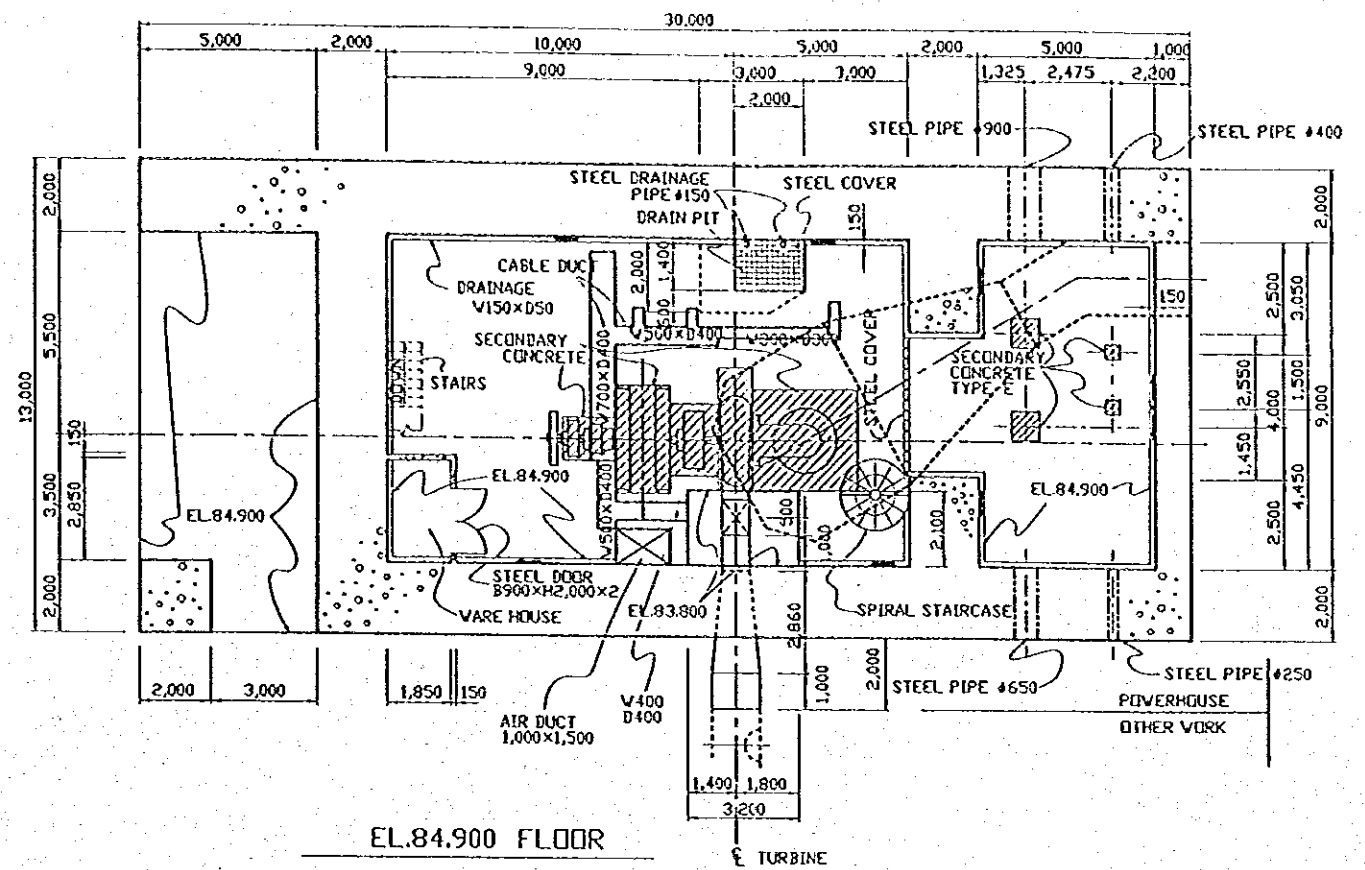
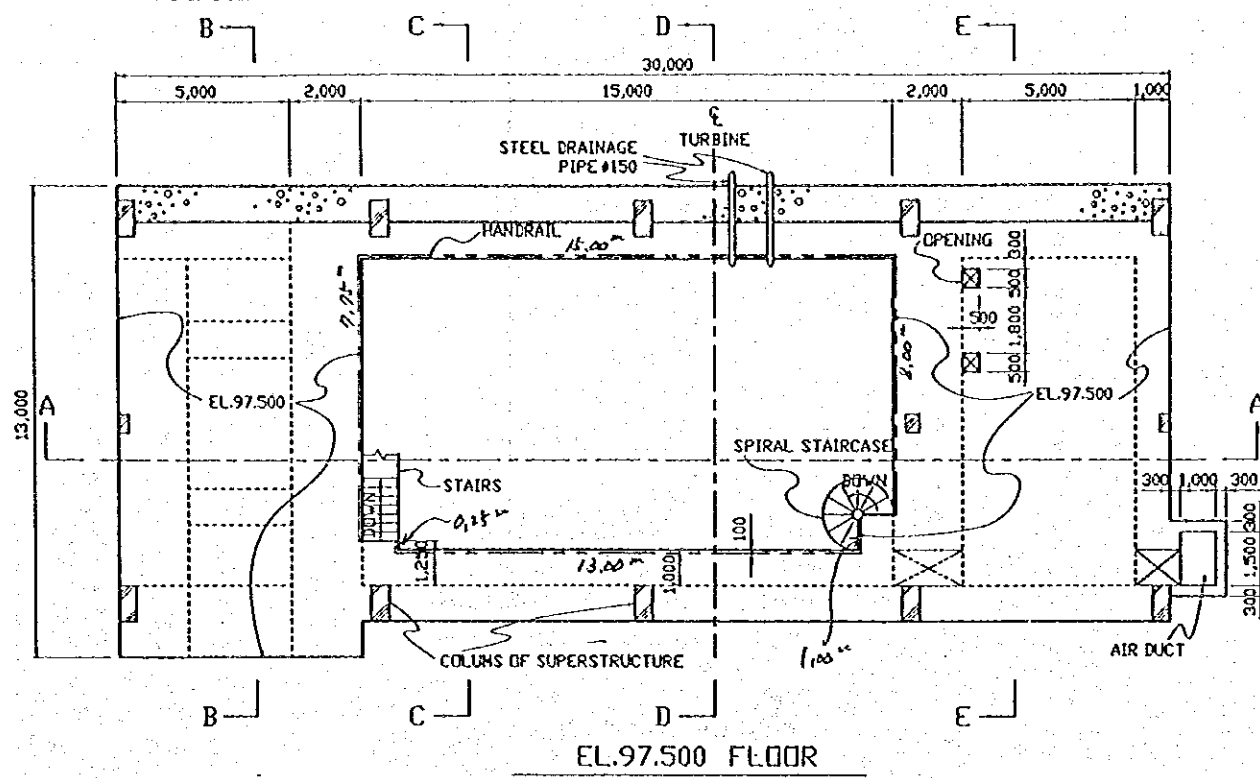
DETAIL 'c'



REFERENCE DRAWINGS

- JD-P1-HS-St-6 POWERHOUSE AND TAILRACE-GENERAL PLAN
- JD-P1-HS-St-7 POWERHOUSE AND TAILRACE-CONCRETE OUTLINE-PROFILE
- JD-P1-HS-St-9 POWERHOUSE AND TAILRACE-TAILRACE GATE

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT						PROVINCE CENTRAL JAWA	
MATIUNSELUMA FLOOD CONTROL PROJECT COMPONENT: MATIUNSELUMA DAM CONSTRUCTION JATIBARANG DAM MANAGEMENT COMPLEX POWERHOUSE AND TAILRACE CONCRETE OUTLINE SECTIONS						PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT OF BANGLANG IN THE REPUBLIC OF INDONESIA	
DIVISION OF INTERNATIONAL COOPERATION AGENCY CIVIL ENGINEERING COLLEGE PACIFIC CONSULTANTS INTERNATIONAL INC. AND PACIFIC INTERNATIONAL INC.						DISTRICT SEMARANG CITY	
CHIEF OF PLANNING AND DESIGN PROJECT MANAGER						DRAWING NO. JB-PE-HS-21-B SHEET NO.	
NO. DATE REVISIONS ORIGINATED DESIGNED APPROVED						DATE CONTRACT NO.	



NOTES

1. THE DIMENSION MARKED WITH * AND RELATED DIMENSIONS MAY BE CHANGED DEPENDING ON THE SIZE OF A TURBINE.
2. THE STEEL PIPES SHOWN IN EL.84.900 FLOOR SHALL BE EMBEDDED AT THE EL.85.900 WHICH ARE SUPPLIED BY OTHER CONTRACTOR.

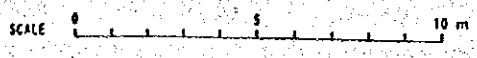
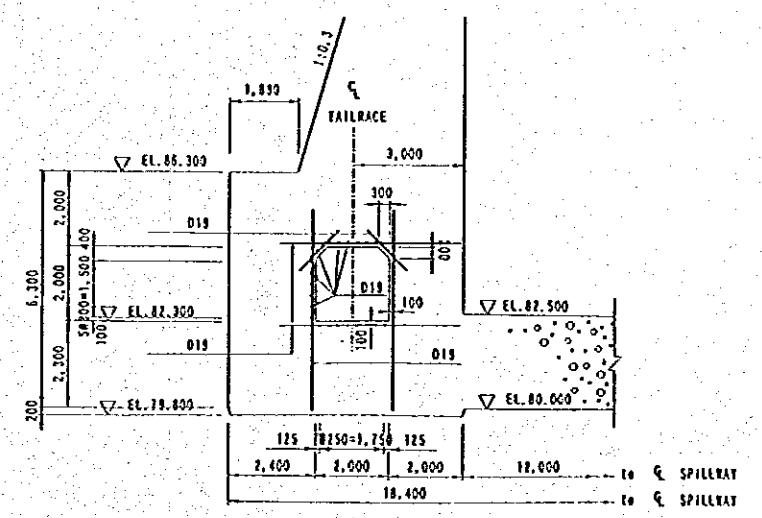
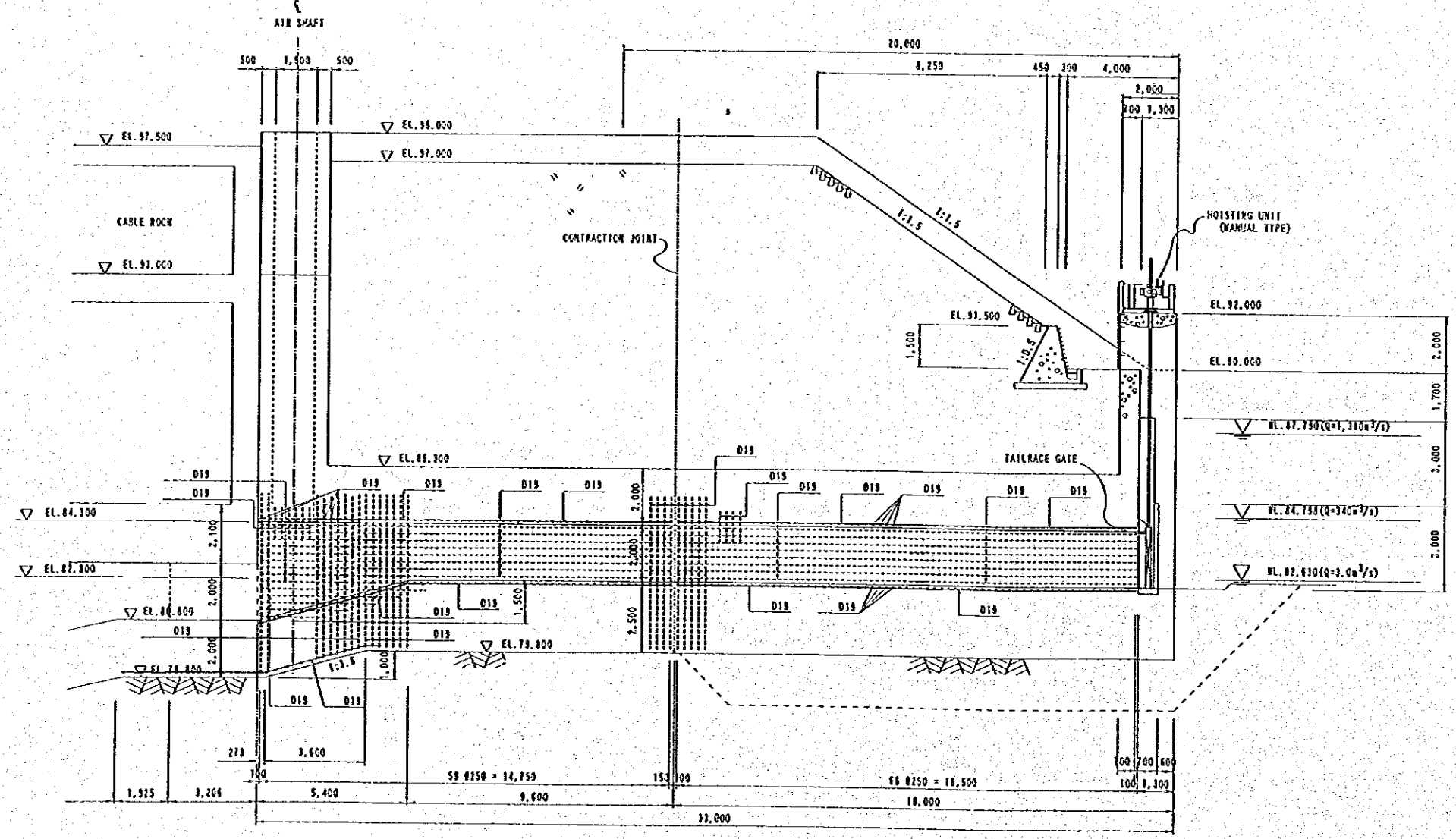
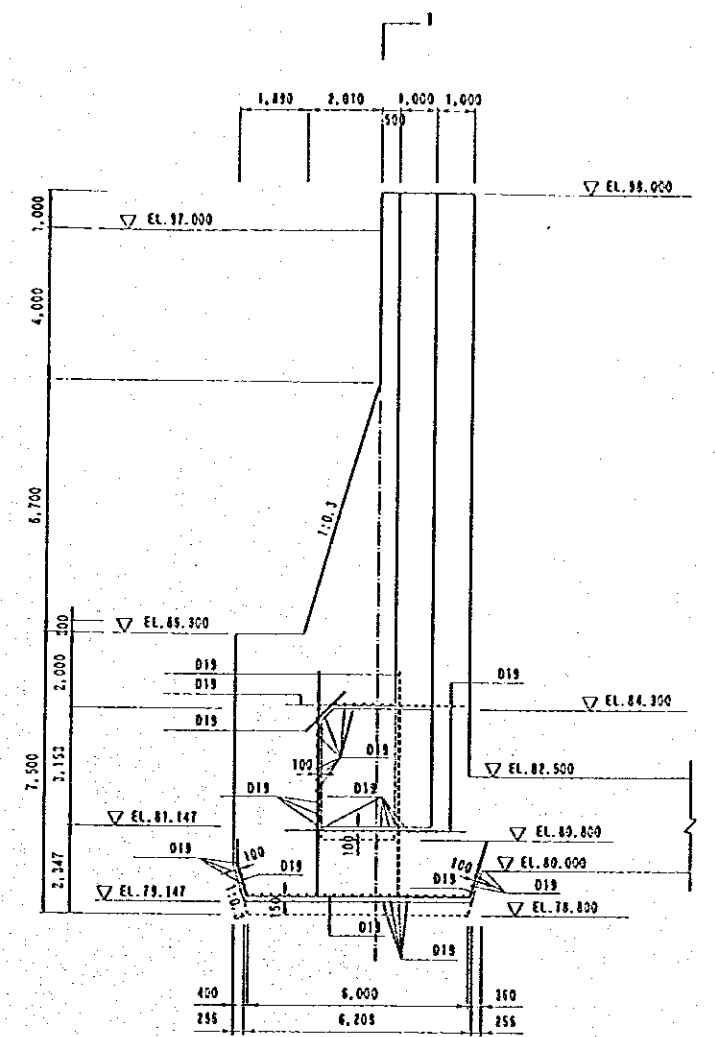
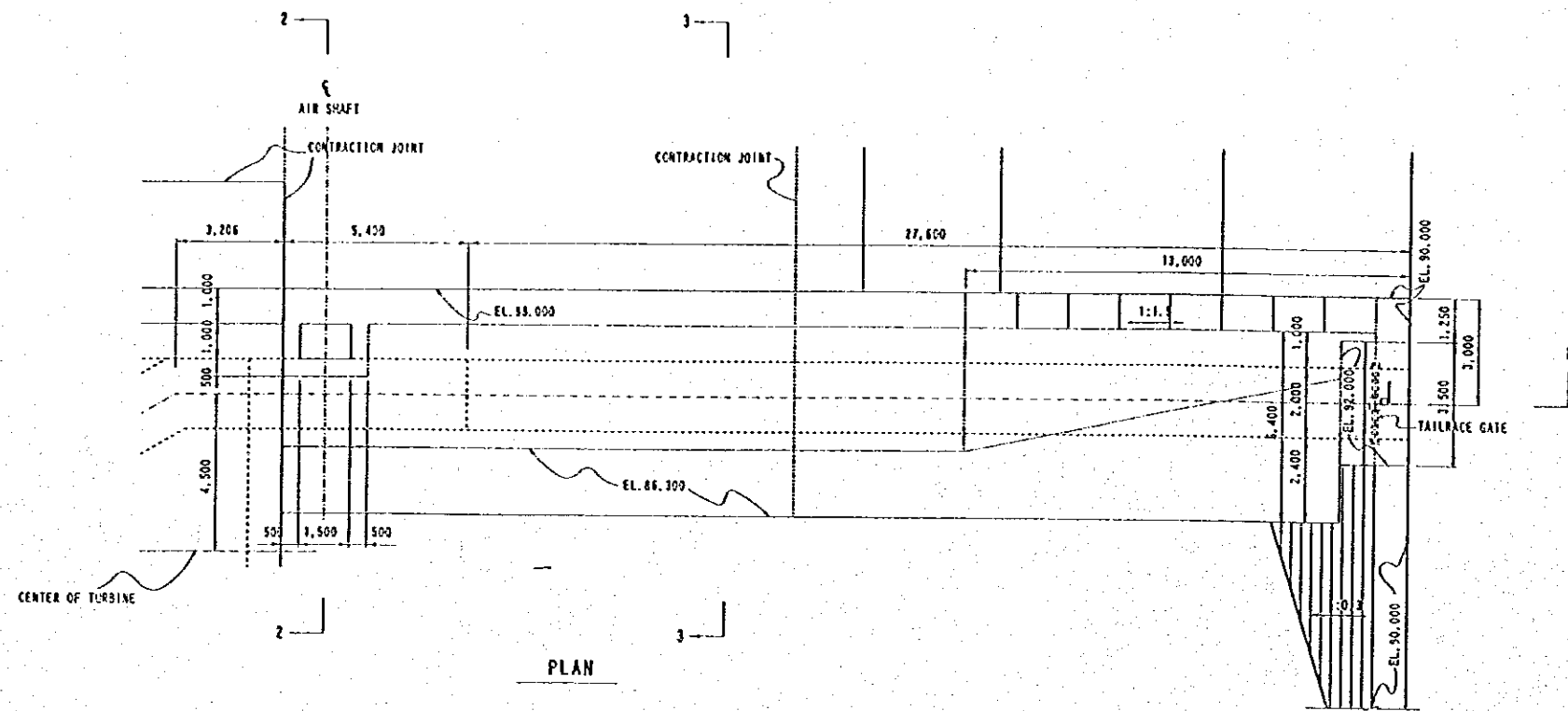
REFERENCE DRAWINGS

- JD-PI-HS-PI-1 GENERAL PLAN OF POWERHOUSE AREA
- JD-PI-HS-St-2 POWERHOUSE-CONCRETE OUTLINE-PROFILE
- JD-PI-HS-St-3 POWERHOUSE-CONCRETE OUTLINE-SECTIONS(1/2)
- JD-PI-HS-St-4 POWERHOUSE-CONCRETE OUTLINE-SECTIONS(2/2)
- JD-PI-HS-St-6 POWERHOUSE AND TAILRACE-GENERAL PLAN



NO.	DATE	REVISIONS	ORIGINATOR	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
PLATUNSELLINA FLOOD CONTROL PROJECT COMPONENT: JATIBARANG DAM CONSTRUCTION JATIBARANG DAM MANAGEMENT COMPLEX POWERHOUSE CONCRETE OUTLINE PLAN		PROJECT NAME FLOOD CONTROL, URUG DEBRACE AND WATER RESOURCES DEVELOPMENT OF SEMARANG IN THE REPUBLIC OF INDONESIA
PT. AIR INFRASTRUKTUR COOPERATION AGENCY CIVIL ENGINEERING OFFICE & ARCHITECTURE PACIFIC CONSULTANTS INTERNATIONAL, INC. JAWA BARU, INDONESIA		DISTRICT SEMARANG CITY
DESIGNED CHECKED		DRAWING NO. 22-PI-48-41-3
CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		SHEET NO. DATE CONTRACT NO.



NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAYA
IRATUNSELUMA FLOOD CONTROL PROJECT COMPONENT : JATIABANG DAM CONSTRUCTION JATIABANG DAM MANAGEMENT COMPLEX TAILRACE REINFORCEMENT SECTIONS		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
3-68		DISTRICT SEMARANG CITY
DESIGNED CHECKED APPROVED		DRAWING NO. SHEET NO. DATE CONTRACT NO.
CHIEF OF PLANNING AND DESIGN		DATE