3-1-5 Consultant Supervision

The scope of the supervision works during the construction phase is as follows:

(1) Check and approval of the construction plans and drawings

Checking and approving of the construction plans, construction schedules, working drawings, materials, samples, equipment lists, etc. submitted by the Contractor.

(2) Management of the construction schedule

Giving instructions to the Contractor and reviewing the progress report submitted by the Contractor in order to complete the construction work as scheduled. In the case of the construction work being carried out by the Government of Indonesia is found to be delayed, the Consultant may urge a faster schedule for the construction work.

(3) Quality Control

Checking and giving approval for the quality of materials and construction works in accordance with the specification. However, the materials which are imported from Japan or other third countries will be checked by engineers in the head office or branch offices of the Consultant.

(4) Checking of the finished product

Checking the finished products and confirming the quantity.

(5) Assistance of payment and issuance of certificates

Assisting with the procedures of checking bills, etc., relating to the payment of construction expenditure and issuance of certificates such as the certificate of practical completion, the completion certificate, etc., if necessary.

(6) Check and submission of monthly progress reports

Checking and approving monthly progress, completion documents and photos of works from the contractor and reporting the progress of the construction work to the Government of Indonesia and JICA.

The Consultant shall also prepare and submit the completion report in accordance with the Grant Aid Programme guidelines to the Japanese Government.

(7) Others

Manage and coordinate the schedule and works in order to achieve smooth operation with works executed by the Government of Indonesia, if necessary.

3-1-6 Procurement Plan

(1) Procurement Plan for Building Construction

The procurement plan is prepared by considering the fact that most building materials are available in Indonesia. When procuring the materials for the project, it is necessary to select those which facilitate maintenance and management. Besides this, the procurement period and procedure of the transportation must be carefully investigated.

Procurement of materials used in this project are defined as shown in Table 3-2.

Table 3-2 Procurement Situation of Construction Materials

Name of material	Locally Produced	From Japan	From Third Country	Remarks
Sand/Gravel	O			
Cement	O			
Bricks	O			
Timber	O			
Re-bar	O			
Concrete Blocks	O			
Tiles	O			
Wood Fittings	O			
Metal Fittings	O			
Glass	O			
Water proof Agent	O			
Sheeting Plywood	O			
Roof Sheet Metal	O			
Plastic Tiles	O			
Ceiling board	O			
Paint	O			
Miscellaneous Hardware	O			
Distribution Panel Board	O			
Lighting Appliances	O			
Electric Cable/Conduit	O			
Wiring Equipment	O			
Control Panel	O			
Transformer	O			
Communication Appliance	O			
PVC pipes	O			
Sanitary Fixtures	O			
Elevated Reservoir Tank	O			
Pumps	O			
Lift	O			

Table 3-2 Procurement Situation of Construction Equipment

Name of material	Locally Produced	From Japan	From Third Country	Remarks
Back hoe (0.6 m^3)	O			with breaker
Shovel loader	O			
Dump truck (4t)	O			
Truck (4t)	O			with boom
Vibrating roller	O			
Rammer	O			
Compactor	O			
Concrete mixer (0.3 m^3)	O			
Re-bar cutter	O			
Re-bar bender	O			
Mortar mixer (0.3 m^3)	O			
Concrete Block making machine	O			
Water pump	O			
Generator (35 KVA)	O			
Generator (2.2 KVA)	O			
Engine welding machine	O			
Crusher	O			
Tank lorry	O			
Temporary scaffolding	O			
Concrete Dumper	O			
Batcher Plant	O			

(2) Procurement Plan for Equipment

Things to be noted in procuring equipment to be used in this project are as follows:

- Local Source

  In principal, equipment items, whose manufacturers' distributors are operating in Indonesia, and equipment items, which do not pose problems in terms of quality and maintenance, shall be procured locally.

- Third Country

  Equipment items that are difficult to obtain in Indonesia, but easy to obtain from neighboring countries shall be procured from third countries, on condition that such equipment items are of high quality.

- Japanese Source

Equipment items that are difficult to obtain in Indonesia or from third countries because of reasons concerning their function or quality shall be procured from Japan.

Sources of major equipment articles are as follows:

1) Furniture (Local source)

Except for general furniture to be installed by the Indonesian side, local suppliers can adequately supply chairs and desks for trainees. In case such furniture becomes damaged or broken in the future, furniture of comparable quality can be procured locally.

2) Vehicle (Local source)

It is considered desirable to obtain vehicles from local sources as there are automobile factories and adequate service centres in Indonesia and because of the Indonesian Government's policies for the promotion of domestic industries.

3) Audio/Visual Equipment (Local or third country)

It is desirable to procure audio/visual equipment from local suppliers as there are factories of AV equipment makers in Indonesia and manufactures of specialized equipment in Singapore that has distributors in Indonesia.

4) Machining Tools (Japan or local)

It is desirable to procure engine lathes and drilling machines as they are manufactured in Indonesia, and service systems for them are in place. However it is desirable to procure engine repair trainer kits and other items from Japan as Japanese-made complete motorcycles are by far the most dominant in the Indonesian market.

5) Computers (Local source)

It is desirable to procure computers and peripherals, including printers and various kinds of software, from local sources as after-sales support systems for such items are well established in Indonesia. For reference, computers and related devices donated to Solo Rehabilitation Centre through a technical cooperation project implemented by the Japanese Government were locally procured also.

6) Printing Equipment (Japan or local)

Because of the reasons stated above, it is desirable to obtain the computer related equipment that is necessary for pre-printing operation from a local source. As for the offset press, it is desirable to procure it from Japanese manufacturers as they have a distributors' network well in place in Indonesia, and also offset press machines made in Germany or other European countries are expensive.

7) Sewing Equipment (Japan or local)

Although inexpensive 1-needle lock stitch machines made in China are available, the service system for such machines pose some problems. Thus, it is desirable to procure sewing machines, including safety measures and button sewing machines from Japanese manufacturers as they have distributors in Indonesia. Other items such as cutting machines and sewing tool kits can be easily procured from local sources.

3-1-7 Transportation Plan

The schedules and expected routes of transportation and described as follows:

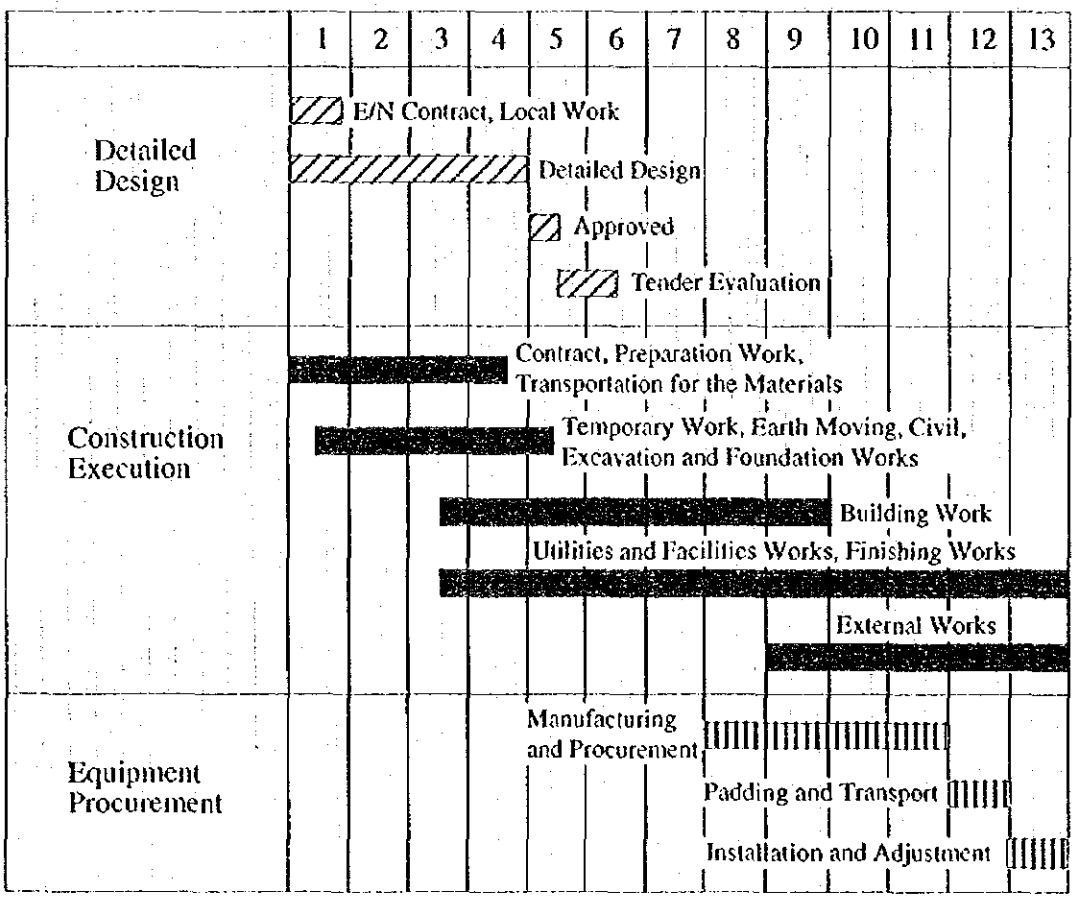
A. Japan —sea (2 weeks)→ Jakarta —road (10 days including customs clearance)→ the Project site

B. Singapore —sea (3 ~ 4 days)→ Jakarta —road (10 days including customs clearance)→ the Project site

3-1-8 Implementation Schedule

The tentative implementation schedule for the Project is expected as shown in Table 3-3.

Table 3-3 General Project Schedule

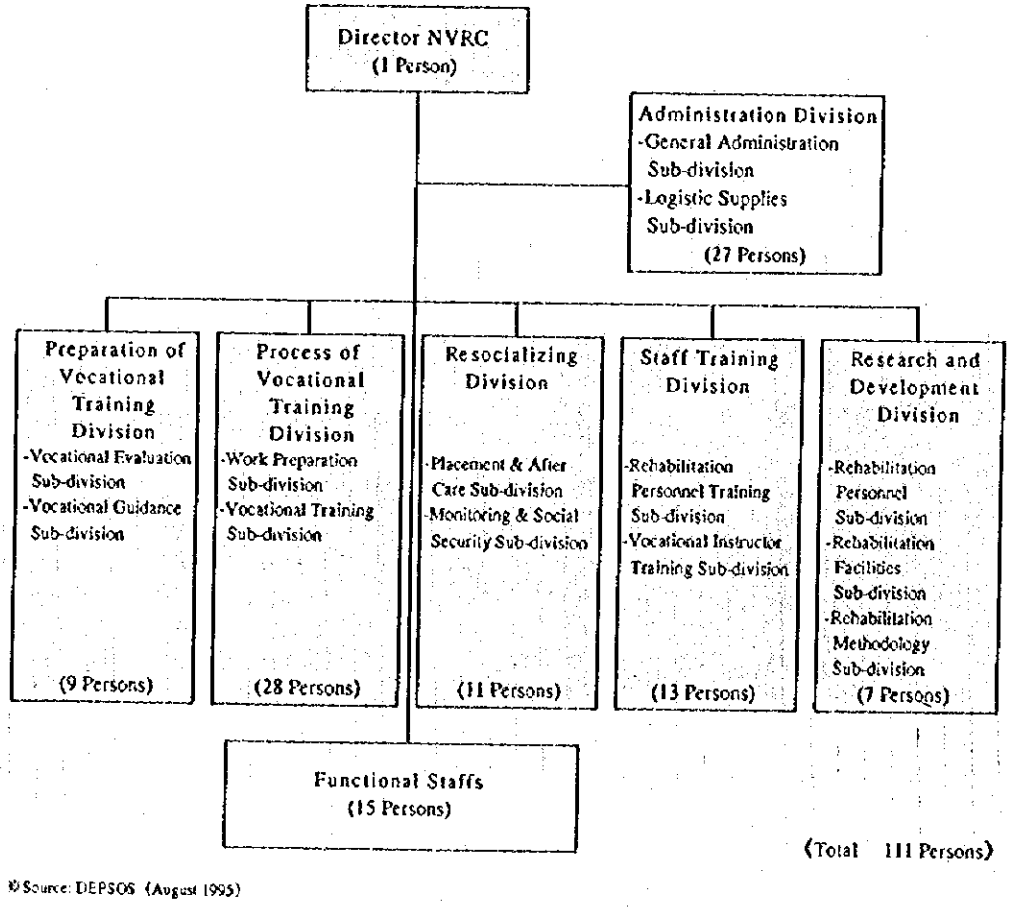


3-2 Operation and Maintenance Plan

3-2-1 Operational Body and Budget

(1) Operational Structure

The NVRC will be operated and administered under the Directorate General for the Development of Social Rehabilitation, the Ministry of Social Affairs. The organization chart of NVRC is as shown in Figure 3-3.



※ Source: DEPSOS (August 1995)

Figure 3-3 Organization Chart of the NVRC

There are 5 major divisions with the administration division under a director in the NVRC. Comparing with other rehabilitation centres under the Ministry of Social Affairs, the staff training and research & development divisions are additional for the NVRC. Further details of the personnel are attached in Appendix 9.

(2) Manpower:

As shown in Table 3-4 the NVRC will be composed of 110 staff members under the supervision of the Director, including staff for financial affairs, vocational training affairs and the maintenance of the facility.

Table 3-4 The Number of Staff Members in the NVRC

Division	Number of Staff (persons)
Director	1
Administration	27
Preparation of Vocational Training	9
Process of Vocational Training	28
Resocializing	11
Staff	13
Research & Development	7
Others	15
Total	111

In the Process of Vocational Training Division, 20 instructors will be allocated for 100 vocation trainees. The ratio of instructor/trainees is 1 : 5, which is similar to the Japanese case.

(3) Operational Budget:

The budget for the NVRC will consist of a recurrent budget and a development budget.

1) Recurrent Budget

The recurrent budget for the NVRC will be financed by the Ministry of Social Affairs. A total amount of 2,000 million Rupiahs will be appropriated for the year 1998/1999, as shown in Table 3-5. The salaries of personnel will cost approximately 50% of the budget and approximately 23% is allocated for accommodation and daily allowances of the vocational trainees.

Table 3-5 Recurrent Budget for the NVRC (1998/1999)

1.	Total cost of the salaries of personnel	Rp. 1,062,600,000
2.	Requisition of material for workshop	Rp. 142,600,000
3.	Requisition for administrative office materials	Rp. 55,200,000
4.	Accommodation and daily allowance / meal for the trainees	Rp. 460,000,000
5.	Cost for water supply, electricity, operational cars:	Rp. 172,500,000
6.	Maintenance cost for building, equipment, transport	Rp. 86,250,000
7.	Others	Rp. 55,000,000
	Total	Rp. 2,034,150,000

(The budget is estimated for annual inflation of 7 ~ 15%)

2) Development Budget

A development budget will be appropriated as a separate budget from the recurrent budget by application to BAPPENAS. In 1994/1995, 320 million Rupiahs were already appropriated for the site preparation.

The development budget for 1995/1996 is as shown in Table 3-6, including an additional budget to secure the safety of the existing retaining wall.

Table 3-6 Development Budget (1995/1996)

(Rupiah)

			Price / unit	Total
1.	Drainage along the retaining wall (masonry)	1,353.00 m²	110,000.00	148,830,000.00
2.	Retaining wall for grading (masonry)	257.20 m²	135,000.00	34,722,000.00
3.	Retaining wall to strengthen the back fence (masonry)	160.00 m²	145,000.00	23,200,000.00
4.	Fence for PRPCM wall 1 mt and BRC 1.5 mt	300.00 m²	135,000.00	40,500,000.00
5.	New front fence:			
	a. Front fence for NVRC wall and BRC 1.5 mt	207.50 m²	135,000.00	28,012,500.00
	b. Front fence for PRPCM wall and BRC 1.5 mt	159.40 m²	135,000.00	21,519,000.00
6.	Back fence for inspection wall and BRC 1.2 mt	403.00 m²	130,000.00	52,300,000.00
7.	Rehabilitation of the wall fence	191.00 m²	130,000.00	24,830,000.00
8.	Site measurement	sq.		12,198,935.00
9.	Retaining wall construction on the back fence with cast in place along 132.50 m² : ALTERNATIVE A	SEE THE BUDGET COST		410,063,840.00
10.	Drainage	338.00 m²	130,000.00	43,940,000.00
			Total	840,206,275.00

Source : Ministry of Social Affairs

3-2-2 Operation and Maintenance of the Facility and Equipment

As shown in Appendix 8, the number of staff for operation and maintenance of the facility and equipment is 10 (indicated as a chief of logistics and 9 staff of logistics in the Administration Division).

Minor repairs should be done in the NVRC, but complicated repairs will be contracted to specialist services.

A maintenance and operation plan including the replenishment of consumable items and spare parts for vocational training equipment should be prepared prior to the operation of the NVRC.

3-2-3 Operation and Maintenance Budget

As shown in Table 3-5, the maintenance cost for buildings, equipment and transport is 86 million Rupiahs, which is approximately 4.2% of the recurrent budget for the NVRC.

The recurrent budgets for Solo R.C. from 1990/91 to 1994/95 are shown in Table 3-7 as a comparison. A gradual increase can be seen in the maintenance budget, which suggest that the budget for the NVRC is also appropriated reasonably.

Table 3-7 Recurrent Budget for Solo R.C. (1990/91 ~ 1994/95)

(1,000 Rupiah)

	1990/91	1991/92	1992/93	1993/94	1994/95
Salaries of Personnel	325,850	382,310	497,960	531,375	680,565
Materials Budget	89,995	260,575	310,142	330,613	359,015
Maintenance Budget	34,298	66,957	64,010	91,852	93,852
Duty Allowance	5,160	6,450	6,450	11,200	16,085
Total (Ratio to the preceding year)	575,789	716,292 (124%)	876,562 (122%)	965,040 (110%)	1149,517 (119%)

(Source : Solo R.C.)

CHAPTER 4 PROJECT EVALUATION AND RECOMMENDATION

CHAPTER 4 Project Evaluation and Recommendations

4-1 Project Effect

By the implementation of this project, approximately 100 disabled people will get advanced vocational training every year for their resocialization. The Project will also produce 120 competent rehabilitation personnel every year (30 staff trainees for the 2 ~ 3 months course) for extending better rehabilitation services all over the country. Thus, the Project will be able to accomplish the Government's objective in the social affairs sector which is formulated to improve the rehabilitation of disabled people by establishing the NVRC as the "centre of centres".

The considerable effects of the implementation of the Project will be summarized by division:

(1) General Effect of the Project

- By establishing the NVRC as the centre of rehabilitation centres in Indonesia, a new rehabilitation system will be formulated, which is expected to improve overall rehabilitation services.
- Enhancing the resocialization or independence of disabled people by improving the quality of rehabilitation services.

(2) Effect of the execution of Advance Vocational Training

- Providing better opportunities for the employment of disabled people by providing advanced vocational training which meets the needs of the market economy.
- By gaining a job with a firm or establishing a self-business through the obtainment of an advanced skill, disabled people will be able to support themselves.

(3) Effect of the execution of Staff Training

- By improving the quality of rehabilitation personnel, the quality of rehabilitation services will be also improved, thus, extending the advantages to disabled people who will be able to obtain better rehabilitation services.
- By increasing the number of rehabilitation personnel, the quality of the rehabilitation services will also be promoted.
- Having obtained better skills and knowledge at the NVRC, rehabilitation personnel can be allocated to CBR (Community Board Rehabilitation) such as MRU, KUP or other rehabilitation centres in the country, and so the overall quality of rehabilitation services will be improved. This will provide better opportunities for disabled people, who at present do not have access to a large rehabilitation centre, to receive rehabilitation.

(4) Establishment of the Division of Research and Development

- By collecting and analyzing data in regard to the situation of the rehabilitation for disabled people in Indonesia, conditions and problems that effect the rehabilitation service can be recognized, thus improving the rehabilitation system.

- By accumulating data and information concerning the rehabilitation of disabled people both in Indonesia and overseas, the progress and development of rehabilitation systems and techniques will be enhanced.

- By analyzing data and information concerning the causes of disabilities, the NVRC can provide useful advice and recommendations for Government policy, thus introducing a new legislation to improve the situation of disabled people in society.

As described above, the effects of the implementation of the Project will be diverse and extensive. However, there are still some issues to be solved and overcome in parallel with construction of the NVRC. The Project will be more effective in achieving it's goal if improvements to the following issues are made.

4-2 Recommendations

In accordance with the result of the study on the necessity, validity, propriety and effectiveness of the Project, it is anticipated that the implementation of this project under Japan's Grant Aid will have a positive effect, if the following issues are solved:

(1) Formulation of New Legislation

- At present, the introduction of a quota system for the employment of disabled people in private firms being considered as becoming a National Law. To provide better opportunities for the employment of disabled people, this law should be enacted.

- In parallel to the above, private firms should also improve their facilities so that disabled people can work comfortably. The Government of Indonesia should appropriate subsidies for these firms.

(2) Placement

- In accordance with construction of the NVRC, a placement team should be formed in order to promote the employment of disabled people. It is important to establish a systematically organized back-up structure for this placement team in cooperation with the Ministry of Manpower.

(3) Selection of Disabled People

- Although the NVRC plans to select those disabled people who have only minor physical disabilities to attend the advanced vocational training, blind people are the most dominant group of disabled people in Indonesia.

  Therefore, the function of research and develop in the NVRC should eventually cover the overall rehabilitation of disabled people including the understanding of rehabilitation issues for blind people.

(4) Prevention of Disability

Some disabilities in Indonesia are caused by poverty, malnutrition, negligence of treatment or inaccessibility to advanced medical services, and thus can be prevented and improved. Therefore, measures or policies for preventing these disabilities should be formulated in conjunction with construction of the NVRC.

(5) Educational Activities

In order to enhance the independence of disabled people it is also important to educate people who believe that disabled people should stay home and be dependent upon their families. Educational activities should be provided particularly in rural areas.

(6) Placement Set-up

Although disabled people will obtain advanced vocational training for future employment in the NVRC, it is also necessary for private firms to open up their recruitment to disabled people. The Government of Indonesia should give subsidies to these firms to employ disabled people who have an advanced vocational skill.

(7) Operation and Maintenance Costs

In order to improve rehabilitation services for disabled people, the NVRC should consider becoming a self-supportive organization in the long term.

The NVRC should consider the introduction of tuition fees, dormitory fees, meal charges as well as revenues from the copyright of research and development reports or contracting of research activities, while achieving a reduction in operation and maintenance fees by effective use of facilities and equipment.

(8) Consideration of Disabled People

In order for disabled people to be self-reliant in society, the basic functions such as transportation systems, communication systems and public facilities should be adjusted to consider the needs of disabled people.

APPENDIX

Appendix - 1 Member List of the Survey Team

(1) Basic Design Survey (August 17 - September 9, 1995)

	(Role)	(Name)	(Organization)
1.	Project Leader	Mr. Seiji UTSUMI	Development Specialist, JICA
2.	Project Coordinator	Ms. Reiko AKEZUMI	Second Basic Design Study Division, Grant Aid Study and Design Department, JICA
3.	Vocational Rehabilitation Program Planner	Mr. Ezo TERASHIMA	National Kibikogen Vocational Rehabilitation Centre for the Disabled, Japan Association for Employment of the Disabled
4.	Project Manager (Architectural Planner)	Mr. Tetsuji HATANO	Pacific Consultants International
5.	Architectural and Utilities Planner	Mr. Takatsugu SHIMADA	Pacific Consultants International
6.	Equipment Planner	Mr. Kazuhiro ABE	Pacific Consultants International
7.	Construction Planner (Site Investigation)	Mr. Hiroaki NAKAMURA	Pacific Consultants International
8.	Cost and Procurement	Mr. Haruaki WATANABE	Pacific Consultants International

(2) Draft Report Explanation (September 18 - October 13, 1995)

	(Role)	(Name)	(Organization)
1.	Project Leader	Mr. Kenji SUZUKI	Assistant Director, Economic Cooperation Bureau, Ministry of Foreign Affairs
2.	Vocational Rehabilitation Program Planner	Mr. Masahiro MIZUGUCHI	National Vocational Rehabilitation Centre for the Disabled, Japan Association for Employment of the Disabled
3.	Project Manager (Facilities Planner)	Mr. Tetsuji HATANO	Pacific Consultants International
4.	Equipment Planner	Mr. Kazuhiro ABE	Pacific Consultants International

(1) Basic Design Survey (August 17 - September 9)

No.	Date	Place	Activity
1.	17 Aug. (Thu.)	NRT (11:00) - JKT (16:00)	JL 725 Team meeting
2.	18 Aug. (Fri.)	9:00 Embassy of Japan	Courtesy call and meeting with Mr. Higuchi, First Secretary of Embassy of Japan
		10:00 JICA Jakarta Office	Courtesy call and meeting with Mr. Okazaki, Head Officer and other staff
		JKT (15:00) → Solo (16:15)	GA 404 (Meeting with Mr. Hirakawa, JICA Expert)
		17:30 Kusuma Sahid Hotel	Team meeting
		18:30	Meeting with JICA Experts
3.	19 Aug. (Sat.)	9:00 R.C. Solo	Meeting with Director: Drs. Waslan Syech and other staffs of Solo R.C.
			Observation of the existing facilities and equipment
4.	20 Aug. (Sun)	Solo (11:00) → Jakarta (12:00)	GA 403
		13:00 Jakarta	Team meeting
5.	21 Aug. (Mon.)	JKT (8:15) → Cibinong	
		10:00 Mental R.C.	Courtesy call and meeting with Dra. Er. Iymati, Director of Mental R.C.
		Cibinong NVRC Project Site	Investigation of the NVRC Project Site (with Ms. Sugiyama, JOCV Volunteer, Local Consultant, and Drs. Waluyo, Sub Dre. of DPDR)
		15:00 DEPSOS	Courtesy call and meeting with Dr. Susilo Supeno, D.G of DEPSOS
			(with Mr. Higuchi, Mr. Kawakami, etc.)
6.	22 Aug. (Tue.)	9:00 DEPSOS	Detailed Discussion with Head of Adm. Aff., Drs. Rifai, Drs. Waluyo, Sub-Dre. of DPDR and three staffs of Cengkareng R.C.)
		[Mr. Shimada, Mr. Nakamura]	
		All day, Project Site	Site investigation
		19:30	Team Meeting
7.	23 Aug. (Wed.)	9:00 DEPSOS	Detailed Discussion on the site preparation, the operation and maintenance plan, and the Minutes' draft with Drs. Rifai, Drs. Waluyo, Dra. Srikastilah
		16:00 BAPPENAS	Courtesy call and meeting with Dr. Fasli Jalal, BAPPENAS
		19:30	Meeting with Dr. Susilo D.G. of DEPSOS
8.	24 Aug. (Thu.)	9:00 DEPSOS	Discussion on the Minutes' draft.
			Signing of Minutes of Discussions by Dr. Susilo and Mr. Utsumi
		15:30 JICA Office	Report on the survey result to Mr. Okazaki, Resident Representative of JICA

No.	Date	Place	Activity
		Embassy of Japan	*Report on the survey result to Mr. Higuchi, Fist Secretary of Embassy of Japan*
		Mr. Utsumi JKT (23:20) → NRT (8:30)	JL 726
9.	25 Aug. (Fri.)	9:00 DEPSOS	Detailed Discussion on the survey schedule, site preparation, and equipments based on the Minutes of Discussions
		13:00 DEPSOS	Discussion on the budget for NVRC, tentatively proposed plan, etc.
		15:30 Jakarta	Inspection on the construction condition
		[Ms. Akezumi, Mr. Terashima] JKT (23:20) → NRT (8:30)	JL 726
10.	26 Aug. (Sat.)	10:00 Cengkareng R.C.	Inspection of the similar facilities, and meeting with Mr. Triwahyo, the Director of Cengkareng R.C.
		14:00 PCI JKT Office	Team meeting
11.	27 Aug. (Sun.)	Jakarta	Analysis of collected data and information
12.	28 Aug. (Mon.)	10:00 Pasar Rebo BLK	Inspection of the relevant facilities and meeting with R.a. Danang and Mr. Suhadi, staff of Pasar Rebo
		14:00 CEVEST	Inspection of the relevant facilities, and meeting with JICA experts: Mr. Ueda, Mr. Kosaka, Mr. Yasuhara, Mr. Kato, and others
		[Mr. Watanabe] All day, Jakarta	Inspection of the construction condition
		[Mr. Nakamura, Mr. Shimada] All day, Cibinong	Site investigation and discussion on the site preparation with local consultant
13.	29 Aug. (Tue.)	JKT (9:00) → Solo (10:00)	GA 402 With Mr. Kawakami
		11:00 R.C. Solo	*Report on the Minutes of Discussions, and discussion on the questionnaire*
		14:00 Solo	Meeting with JICA expert: Mr. Kawakami, Ms. Hirakawa, Mrs. Tanahashi, Mr. Yamada, etc.
		19:00 Solo	Team Meeting
14.	30 Aug. (Wed.)	9:00 CBR in Solo	Inspection of CBR Development & Training Centre Solo, and meeting with Mr. Douglas Krefting (with Ms. Hirakawa, Mrs. Tanahashi)
		14:00 NGO R.C. in Yogyakarta	Inspection of NGO R.C.: Pusat Rehabilitashi YAKKUM, meeting with Dra. Mundars, Vice Rector of R.C. YAKKUM
		Yogyakarta (17:30) → JKT (18:30)	GA 441
		20:00 PCI JKT Office	*Team meeting on the result of field survey*

No.	Date	Place	Activity
15.	31 Aug. (Thu)	[Mr. Hatano, Mr. Abe, Mr. Watanabe] 8:30 City and suburb of Jakarta	Investigation of the labour market: (Dai Nippon Printing Indonesia, Indo Mobil Suzuki International, Pamindo Tiga T. Bussan, Rama Textile
		[Mr. Nakamura, Mr. Shimada]	
		9:00 Project Site	Site Investigation
		17:00 PCI JKT Office	Team meeting, report on the result of the survey
16.	1 Sep. (Fri.)	9:00 DEPSOS	General meeting and discussion with Dr. Susilo
		11:00 DEPSOS	Discussion on the Questionnaire with Drs. Riva and Ms. Kastilah Discussion on the site preparation with Drs. Walnyo and local consultants
		17:30 PCI JKT Office	Team meeting for adjustment of the result of the discussion with DEPSOS
17.	2 Sep. (Sat.)	9:00 Jakarta, Tangerant	Inspection of the condition of construction
		16:00 PCI JKT Office	Team meeting
		[Mr. Watanabe]	
		JKT (23:20) → NRT (8:30)	JL 726
18.	3 Sep. (Sun.)	Jakarta	Analysis of collected data and information
19.	4 Sep. (Mon.)	9:00 DEPSOS	Detailed Discussion on the site preparation work and furniture with Drs. Rifai and Drs. Malujo
		16:00 JICA Office	Report on the site preparation work to Mr. Sasaki
		[Mr. Shimada, Mr. Nakamura]	
		JKT (23:20) → NRT (8:30)	JL 726
20.	5 Sep. (Tue.)	JKT (9:30) → Solo (10:00)	GA 404
		11:00 Solo R.C.	
		Solo (17:00) → JKT (18:00)	
		[Mr. Abe]	
		9:00 Jakarta	Investigation of the equipment materials
21.	6 Sep. (Wed.)	9:00 Suburb of Jakarta	Inspection of MRU with Mr. Yagi
		13:00 City of Jakarta	Investigation of the construction and equipment materials
22.	7 Sep. (Thu.)	9:00 DEPSOS	Final Discussion with Dr. Susilo, D.G. of DEPSOS
		14:00 PCI JKT Office	Team meeting
23.	8 Sep. (Fri.)	10:00 JICA Office	Report on the survey result to Mr. Okazaki and Mr. Sasaki
		14:00 Embassy of Japan	Report on the survey result to Mr. Higuchi, the First Secretary
		19:30 PCI JKT Office	Team meeting
		[Mr. Hatano, Mr. Abe]	
		JKT (23:20)	JL 726
24.	9 Sep. (Sat.)	Mr. Hatano, Mr. Abe → NRT (8:30)	

(2) Draft Final Explanation (November 8 - 17, 1995)

No.	Date	Place	Activity
1.	Nov. 8 (Wed.)	NRT (11:00) ➡ JKT (16:20)	JL 725 Team meeting
2.	Nov. 9 (Thu.)	9:00 JICA Jakarta Office	Courtesy call and meeting with Mr. Okazaki, Head Officer and other staff
		10:00 Embassy of Japan	Courtesy call and meeting with Mr. Higuchi, First Secretary of Embassy of Japan
		11:00 JICA Jakarta Office	Meeting with JICA Experts
		14:00 DEPSOS	Courtesy call and meeting with Dr. Susilo and other staff
		15:00 BAPPENAS	Courtesy call and meeting with Mrs. Nina
		19:00 Jakarta	Team meeting
3.	Nov. 10 (Fri.)	9:00 DEPSOS | 16:00	Detailed Discussion on the Draft Final Report, Minutes' draft, equipment and the Retaining wall with Dr. Susilo and other staff
4.	Nov. 11 (Sat.)	Jakarta	Analysis of the result of Detailed Discussion on the Draft Final Report
5.	Nov. 12 (Sun.)	Jakarta	Holiday
6.	Nov. 13 (Mon.)	8:00 Cibinong NVRC Project Site	Wait for the Minister of Social Affairs
		10:00 Cibinong NVRC Project Site	Speech (Indonesia side), Inspection of the NVRC Project Site
		14:00 DEPSOS	Meeting on the Minutes and equipment
		16:00 DEPSOS	Discussion on the Minutes' draft with Dr. Susilo
		17:30 ATLET HOTEL	Meeting on the retaining wall and equipment
7.	Nov. 14 (Tue.)	9:00 DEPSOS	Discussion on the Minutes with Dr. Susilo and Mrs. Nina
		10:30 DEPSOS	Signing of Minutes of Discussions by Dr. Susilo and Mr. Suzuki
		19:00 HOTEL INDONESIA	Party under the sponsorship of JICA
8.	Nov. 15 (Wed.)	10:00 Indonesia University	Inspection of Japanese studies center
		13:00 CEVEST	Inspection of CEVEST
		16:00 JICA Jakarta Office	Report on Discussions
		[Mr. Suzuki, Mr. Mizuguchi]	JL 726
		JKT (23:00) ➡ NRT (8:30)	
9.	Nov. 16 (Thu.)	Jakarta	Inspection of the condition of construction and purchasing, investigation of the equipment. Analysis of collected data and information
		[Mr. Hatano, Mr. Abe]	JL 726
		JKT (23:20)	
10.	Nov. 17 (Fri.)	Mr. Hatano, Mr. Abe ➡ NRT (8:30)	

Appendix - 3 List of Party Concerned in the Recipient Country

(1) Basic Design Survey (August 17 - September 9, 1995)

〈Japan Side〉

Embassy of Japan

Mr. HIGUTI Kiyotaka	:First Secretary, Embasssy of Japan

JICA Office

Mr. OKAZAKI Koichiro	:Resident Representative
Mr. NAKAGAKI Osamu	:Deputy Resident Representative
Mr. SASAKI Hiroyo	:Deputy Resident Representative
Mr. YOSHIARAI Shumon	:Staff
Mr. KATAYAMA Hiroyuki	:Assistant Resident Representative

JICA's experts at Dr.Socharso Rehabilitation Centre, Solo

Mr. KAWAKAMI Masamitsu	:Cheif Advisor
Ms. HIRAKAWA Chieko	:Project Coordinator
Mrs. TANAHASHI Kiyoe	:Expert on Machine sewing
Mrs. YAMADA Fujinori	:Expert on Vocational Guidance and Assessment

JICA's experts at Ministry of Social Affairs

Mr.YAGI Tsutomu	:Expert

〈Indonesia Side〉

Ministry of Social Affairs

Dr. Susilo H.Supeno	:Director General of Social Rehabilitation
Drs. Sumarjo	:Director of Rehabilitation for the Disabled People
Drs. Abdul Rifai Mas	:Head of Administration Affairs
Drs. Waluyo	:Sub Director of Development for the Physically Disabled Rehabilitation
Dra. Sri Kastilah	:Psychologist
Drs. Suranto	:Director of NGO
Drs. Muohoan Suorhnyn	:DG Secretary

Re"Prof.Dr.Soeharso", Surakarta

Drs. Waslan Syech	:Director
Drs. Radix Sukanto	:Head of General Division
Drs. Warsito	:Head of Placement and Protection
Drs. Istichfar	:Head of Rehabilitaion Service
Drs. Vsman Suryanto	:Head of Preparation Rehabilitation

Drs. Sumarsono	:Chief of Sec. for Vocational Training
Dra. Ratna	:Chief of Sec. for Selection
Drs. Edy Triyanto	:Head of Oragnization of Programming & Reporting
Drs. Zulaikhah	:Head of sec. for Mental & Spiritual Guidance
Mr. Bambang Tri Sugiyanto	:Staff of Organization of Programming & Reporting

BAPPENAS

Fasli Jalai, MD, Ph, D	:Head, Bureau for Health and Nutrition

APINDO

Drs. Sutanto

Local Consultants

Dra. Anty Widayanti	:Director
Mr. Ir.Hans Hiandyoko	:Engineer
Ms. Ir Silvia	:Engineer
Mr. Amirudin	:Engineer

〈Similar and Relevant Facilities〉

Mental RC,Cibinong

Dra. Erlywati	:Director
Mr. Suradi	:Staff of Mental RC
Mr. Yatat	:Staff of Mental RC
Ms. Nety	:Staff of Mental RC
Ms. Supriyati	:Staff of Mental RC
Ms. SUGIYAMA	:JOCV Volunteer

Cengkareng Rehabilitation Centre

Mr. Triwahyo	:Director
Mr. Rahmat Wijaya	:Staff of Cengkareng RC
Ms. Yogiani	:Staff of Tangerang Resional Office
Mr. Singgih	:Staff of Cengkareng RC
Mr. Mahsun	:Staff of Cengkareng RC
Mr. Samsi	:Staff of Cengkareng RC
Mr. Parmono	:Staff of Cengkareng RC
Mr. Kartam	:Staff of Cengkareng RC
Ms. Misuivi	:Staff of Cengkareng RC
Mr. Wihartuti	:Staff of Cengkareng RC

Pasar Rebo BLK

R. a. Danang	:
Mr. Suhadi	:

CEVEST

Mr. UEDA Kiyomitsu	:Expert on Machinavy
Mr. KOSAKA Yoshimasa	:Expert on Electric
Mr. YASUHARA Masahiko	:Expert on Industrial Electrinics
Mr. KATO Takahisa	:Expert on Electrinics

CBR Development & Trainig Centre, Solo

Mr. Douglas Krefting

YAKKUM RC(NGO), Yogyakarta

Drs. Andu Sufyan	:Director
Dra. Mundarsi	:Vice Director

PDAM KABUPATEN DT. II BOGOR

Mr.Triyana	:Chief of PDAM Office

PT. PLN (PERSERO)

Mr.Hamli Supandi	:Chief of PT. PLN (PERSERO) Office

PT. TELKOM

Ms. Inity	:Staff of PT. TELKOM

〈Others Factories〉

Mr. SATO Hidesi	:Dai Nippon Printing Indonesia, President Director
Mr. KIMURA Teruyuki	:Dai Nippon Printing Indonesia, Financial Manager
Mr. M. Suzuki	:PT. Indomobil Suzuki International, Vice President
Mr. KURA Takayuki	:PT. Hndomobil Suzuki International, Cakung Factory Deputy Director
Mr. SASAKI Akira	:PT. Pamindo Tiga T, Vice President Director
Mr. YOSHIMOTO Tadasi	:PT. Pamindo Tiga T, Deputy Plant Manager
Mr. J. Feddy Ekaydi	:PT. Busana Rama Textile & Garment
Mr. Rudy Munandi	:PT. Busana Rama Textile & Garment

(2) Draft Report Explanation (November 8 - 17, 1995)

〈Japan Side〉

Embassy of Japan

Mr. HIGUTI Kiyotaka	:First Secretary, Embasssy of Japan

JICA Office

Mr. OKAZAKI Koichiro	:Resident Representative
Mr. NAKAGAKI Osamu	:Deputy Resident Representative
Mr. SASAKI Hiroyo	:Deputy Resident Representative
Mr. YOSHIARAI Shumon	:Staff

JICA's experts at Dr.Soeharso Rehabilitation Centre, Solo

Mr. KAWAKAMI Masamitsu	:Cheif Advisor
Ms. HIRAKAWA Kazuo	:Expert on Computer

JICA's experts at Ministry of Social Affairs

Mr.YAGI Tsutomu	:Expert
Ms. Reny	:Secretary of Expert

〈Indonesia Side〉

Ministry of Social Affairs

Dr. Susilo H.Supeno	:Director General of Social Rehabilitation
Drs. Sumarjo	:Director of Rehabilitation for the Disabled People
Drs. Abdul Rifai Mas	:Head of Administration Affairs
Drs. Waluyo	:Sub Director of Development for the Physically Disabled Rehabilitation
Dra. Sri Kastilah	:Psychologist

Re"Prof.Dr.Soeharso", Surakarta

Drs. Waslan Syech	:Director

BAPPENAS

Nina Sarjunani	:Head, Bureau for Health and Nutrition

Local Consultants (CV. Cipta Manca Samana)

Dra. Anty Widayanti	:Director
Mr. Ir.Hans Hiandyoko	:Engineer
Ms. Ir Silvia	:Engineer

Mr. Sulaeman	:Engineer

〈Others Factories〉

Mental RC,Cibinong

Ms. Supriyati	:Staff of Mental RC
Ms. SUGIYAMA	:JOCV Volunteer
Ms. NAGATA	:JOCV Volunteer

Minutes of Discussion
on
the Basic Design Study on the Project for the Establishment of
the National Vocational Training Center
for the Rehabilitation of the Disabled People
in
the Republic of Indonesia

In response to a request from the Government of Indonesia, the Government of Japan has decided to conduct a Basic Design Study on the Project for the Establishment of the National Vocational Training Center for the Rehabilitation of the Disabled People in Indonesia (hereinafter referred to as "the Project"), and entrusted the study to Japan International Cooperation Agency (JICA).

JICA has sent to Indonesia a Basic Design Study Team headed by Mr. Seiji UTSUMI, Development Specialist, JICA, and is scheduled to stay in the country from August 17 to September 8, 1995.

The team has held discussions with the officials concerned of the Government of Indonesia and has conducted the field survey at the study area.

As a result of these discussion and the field survey, both parties confirmed the main items described on the attached sheets.

Jakarta, August 24, 1995

Seiji UTSUMI,
Leader,
Basic Design Study Team, JICA
Japan

Dr. H. Susilo Supeno,
Director General for the Development of
Social Rehabilitation, Ministry of Social Affairs,
the Republic of Indonesia

ATTACHMENT

1. OBJECTIVES OF THE PROJECT
The objectives of the Project are to provide an Advanced Vocational Training for the rehabilitation of disabled people, Staff Training for the rehabilitation personnel and to enhance the Research and Development capacity on rehabilitation and disability issues through Japan's Grant Aid Programme.

2. EXECUTING AGENCY
Directorate General for the Development of Social Rehabilitation, Ministry of Social Affairs.

3. LOCATION OF THE PROJECT SITE
The project site is located at Karadenan, Cibinong, Bogor, West Java as described in Annex 1.

4. ITEMS REQUESTED BY THE INDONESIAN SIDE
The major items requested by the Indonesian side for the Project are listed in Annex 2.

5. JAPAN'S GRANT AID SYSTEM
The Indonesian side has understood the system of Japan's Grant Aid Programme as explained in Annex 3.

6. NECESSARY MEASURES TO BE TAKEN BY THE INDONESIAN SIDE
The Government of Indonesia will take the necessary measures described in Annex 4 for the smooth implementation of the Project on condition that the Grant Aid by the Government of Japan is extended to the Project.

7. RECOMMENDATIONS BY THE JAPANESE SIDE TO THE INDONESIAN SIDE
Japanese side pointed out the following matters as the recommendations of the site works which are to be taken care by the Indonesian side as indicated in Annex 5.
   1) The strength of the retaining wall seems to be insufficient, especially along the residential area. Verification shall be made by the Indonesian side from the view point of the design and the construction in order to secure the safety of the retaining wall.
   2) Ample considerations regarding moving of the housings shall be taken by the Indonesian side along the high retaining wall.
   3) Boundary line of the project site shall be secured as a part of the site works of the Indonesian side.

8. FURTHER SCHEDULE OF THE STUDY
   1) The Team will proceed to study further in Indonesia until the 8th of September, 1995.
   2) JICA will prepare a DRAFT BASIC DESIGN and dispatch a DRAFT REPORT EXPLANATION TEAM FOR THE DRAFT BASIC DESIGN in November, 1995 in order to explain and to confirm the contents of the Draft Basic Design.
   3) In the case that the Draft Basic Design is accepted by the Indonesian side, JICA will complete the STUDY REPORT and send it to the Indonesian side by February, 1996.

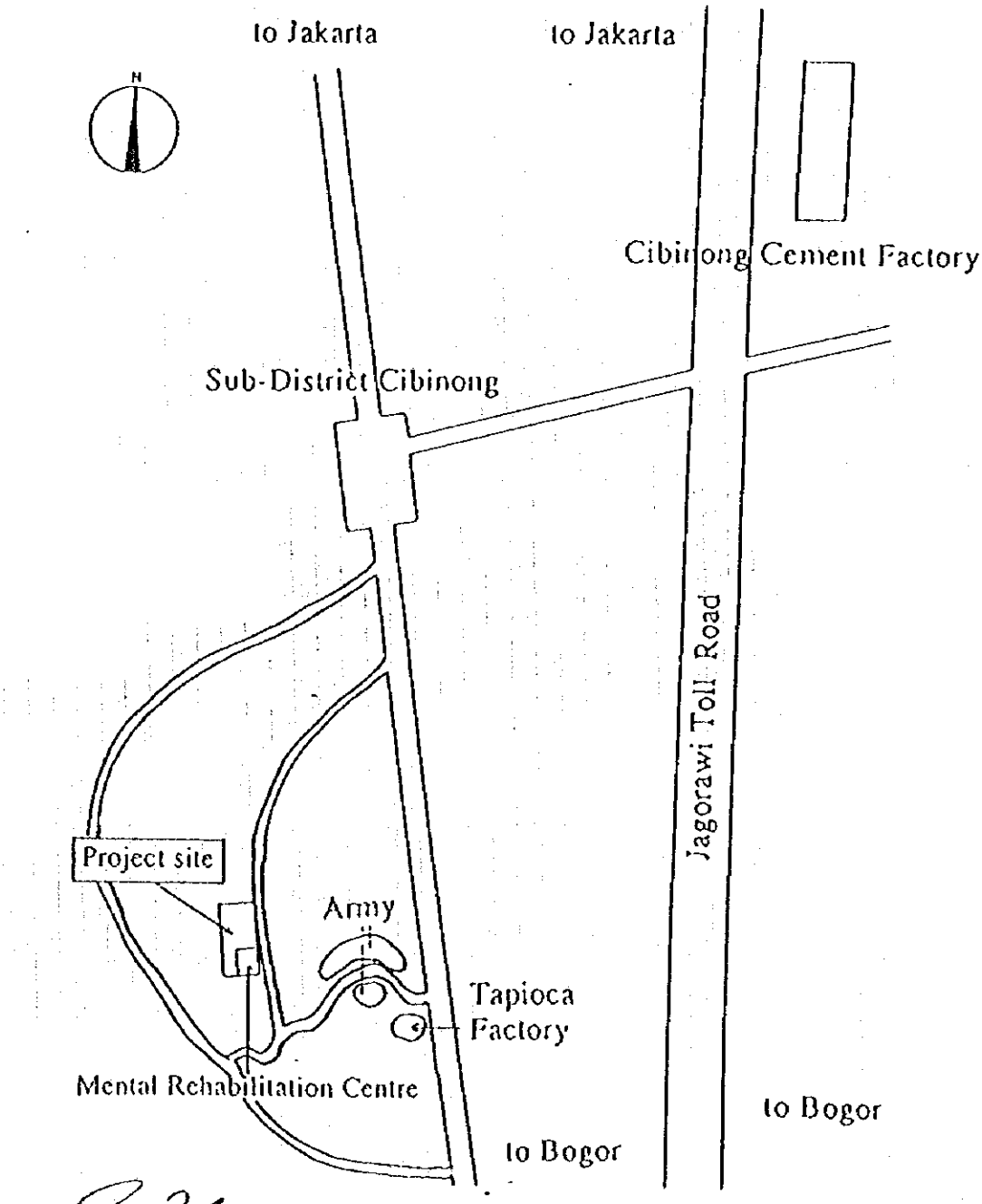
Annexes for the Minutes of Discussion

ANNEX 1

LOCATION MAP OF THE PROJECT SITE

NOTE:

Project site - Public Road Km.49	= 3 km
Project site - Cibinong City	= 10 km
Project site - Cibinong Toll Gate	= 14 km
Project site - T.M.I.I. Toll Gate	= 36 km
Project site - Social Affairs Dept.	= 55 km



ANNEX 2

REQUESTED FACILITIES AND EQUIPMENT FOR THE PROJECT

The contents of the request finally submitted by the Indonesian side are as follows, regarding the facilities and equipment:

1. Facilities
   1) Vocational Training Building for 100 disabled people
   2) Work Preparation Building
   3) Staff Training Building
   4) Research & Development Building
   5) Dormitories
      a) Dormitory for the Disabled People
      b) Dormitory for Rehabilitation Staff Training
   6) Resocialization Building
   7) Administration Building
   8) Dining Room and Kitchen
   9) Multipurpose Hall

2. Equipment
   Needed equipment for above facilities

Note:

1. Both sides confirm that each item mentioned above includes the necessary common spaces such as corridors, storage, toilets, machine room, the necessary utilities such as electricity, water supply, sewage, etc. The details of such common spaces and utilities will be discussed further between the Japanese and the Indonesian side.

2. The contents of equipment will be determined after further studies.

ANNEX 3

JAPAN'S GRANT AID PROGRAMME

1. Grant Aid Procedures

1) Japan's Grant Aid Programme is executed through the following procedures.

Application	(A request made by a recipient country)
Study	(Basic Design Study conducted by JICA)
Appraisal & Approval	(Appraisal by the Government of Japan and Approval by Cabinet of Japan)
Determination of Implementation	(Exchange of Notes between both Governments)
Implementation	(Implementation of the Project)

2) Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the government of Japan assigns JICA (Japan International Cooperation Agency) to conduct a study on the request.

Secondly, JICA conducts the study (Basic Design Study), using (a) Japanese consulting firm(s).

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Programme, based on the Basic Design Study report prepared by JICA, and the results are then submitted to the Cabinet for approval.

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Government of Japan and the recipient country.

Finally, for the implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.

2. Basic Design Study

1) Contents of the Study

The aim of the Basic Design Study (hereinafter referred to as "the Study"), conducted by JICA on a requested project (hereinafter referred to as "the Project") is to provide a basic document necessary for the appraisal of the Project by the Japanese Government. The contents of the Study are as follows:

a) Confirmation of the background, objectives, and benefits of the requested project and also institutional capacity of agencies concerned of the recipient country necessary for the Project's implementation.

b) Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, social and economic point of view.

c) Confirmation of items agreed on by both parties concerning the basic concept of the Project.

d) Preparation of a basic design of the Project.

e) Estimation of costs of the Project.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid project. The Basic Design of the Project is confirmed considering the guidelines of Japan's Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even though they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

2) Selection of Consultants

For smooth implementation of the Study, JICA uses (a) registered consultant firm(s). JICA selects (a) firms(s) based on proposals submitted by interested firms. The firm(s) selected carry(ies) out a Basic Design Study and write(s) a report, based upon terms of reference set by JICA.

The consulting firm(s) used for the Study is (are) recommended by JICA to the recipient country to also work on the Project's implementation after the Exchange of Notes, in order to maintain technical consistency and also to avoid any undue delay in implementation should the selection process by repeated.

3. Japan's Grant Aid Scheme

1) What is Grant Aid?

The Grant Aid Programme provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. Grant Aid is not supplied through the donation of materials as such.

2) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the Project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

3) "The period of the Grant Aid" means the one fiscal year which the Cabinet approves the Project for. Within the fiscal year, all procedures such as exchanging of the Notes, concluding contracts with (a) consultant firm(s) and (a) contractor(s) and final payment to them must be completed.

However in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

4) Under the Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.

However, the prime contractors, namely consulting, constructing and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

5) Necessity of "Verification"

The Government of recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability to Japanese taxpayers.

6) Undertakings required of the Government of the Recipient country

In the implementation of the Grant Aid project, the recipient country is required to undertake such necessary measures as described in Annex 4.

7) "Proper Use"

The recipient country is required to maintain and use the facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as the bear all the expenses other than those covered by the Grant Aid.

8) "Re-Export"

The products purchased under the Grant Aid should not be re-exported from the recipient country.

9) Banking Arrangements (B/A)

a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the Verified Contracts.

b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an authorization to pay issued by the Government of the recipient country or its designated authority.

ANNEX 4

NECESSARY MEASURES TO BE TAKEN BY THE INDONESIAN SIDE

Following necessary measures shall be taken by the Government of Indonesia on condition that the Grant Aid by the Government of Japan is extended to the Project:

1. To provide data and information necessary for the project;

2. To secure, clear, level and reclaim the site for the Project prior to the Project Implementation;

3. To provide a proper access road to the Project site;

4. To undertake incidental outdoor works, such as gardening, fencing, exterior lighting, and other incidental facilities in and around the Project site, if necessary;

5. To construct and/or installation of road, drainage and utilities such as electricity, water supply, telephone system to the Project site;

6. To bear two kinds of commissions to the Japanese Foreign Exchange Bank for its banking services based upon the Banking Arrangement namely.
   - the advising commission of the "Authorization to Pay" and
   - the payment commission;

7. To ensure prompt unloading, tax exemption, and customs clearance at the port of disembarkation in Indonesia and prompt internal transportation therein of the materials and equipment for the Project purchased under the Grant;

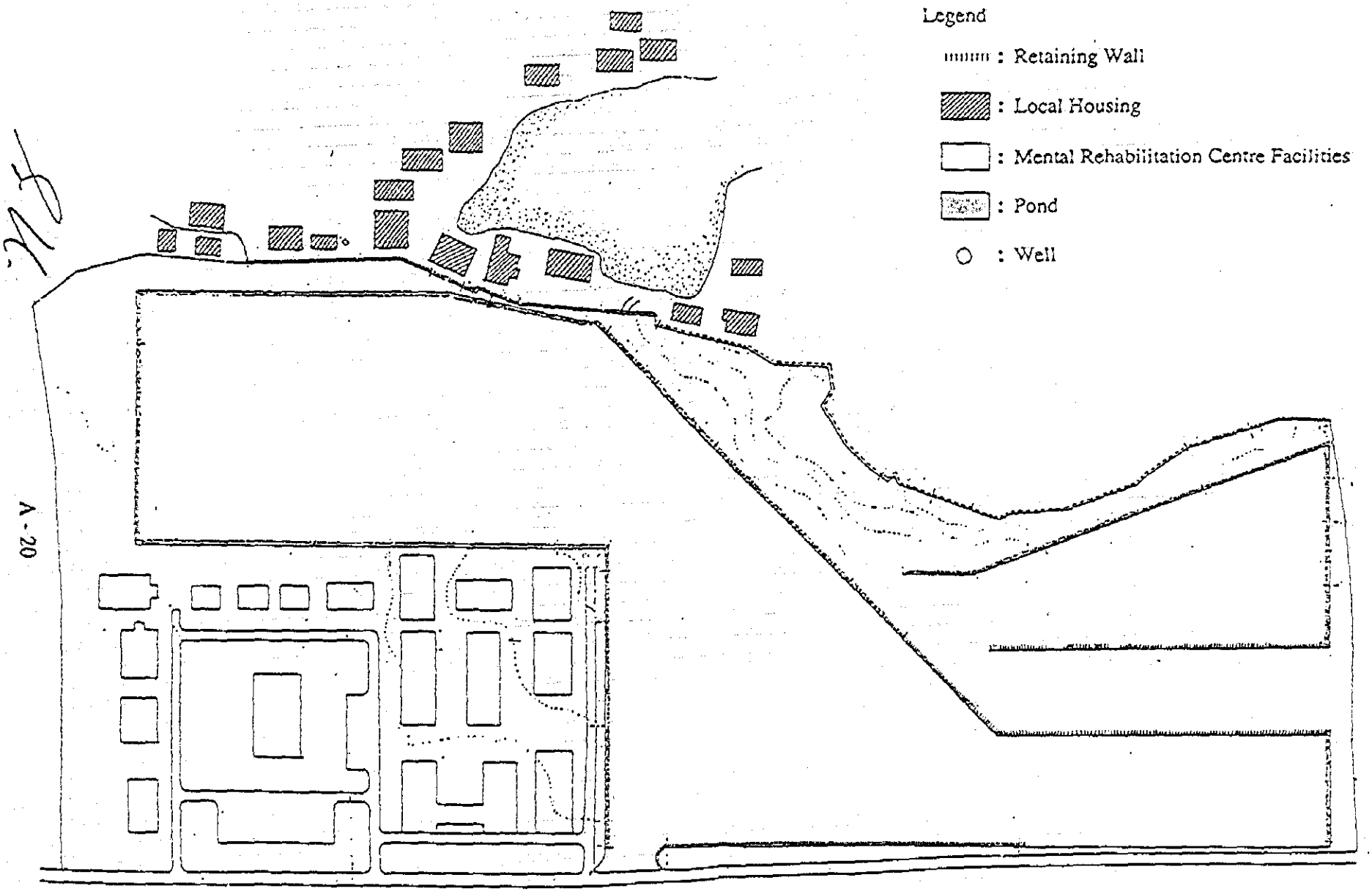
8. To exempt Japanese engaged in the project from customs duties, internal taxes and fiscal levies which may be imposed with respect to the supply of the products and services under the verified contract;

9. To accord Japanese whose services may be required in connection with the supply of products and services under the verified contract such facilities as may be necessary for their entry into Indonesia and stay therein for the performance of their work;

10. To provide necessary permissions, licenses, and other authorization for implementing the Project, if necessary;

11. To assign an appropriate budget and training and administrative staff for proper and effective operation and maintenance of the facilities and equipment provided under the Grant; and

12. To bear all the expenses other than those to be borne by the Japan's Grant Aid within the scope of the Project.



CURRENT SITE PLAN REFERENCE ONLY

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ANNEX 5

Minutes of Discussions
on
the Basic Design Study on the Project for the Establishment of
the National Vocational Training Center
for the Rehabilitation of the Disabled People
in
the Republic of Indonesia
(Consultation on Draft Report)

In August 1995, Japan International Cooperation Agency (JICA) dispatched a Basic Design Study team on the Project for the Establishment of the National Vocational Training Center for the Rehabilitation of the Disabled People in Indonesia (hereinafter referred to as "the Project") to the Republic of Indonesia , and through discussions , field survey, and technical examination of the result in Japan ,has prepared the draft report of the study.

In order to explain and to consult the Indonesian side on the component of the draft report, JICA sent to Indonesia a Study Team, which headed by Mr. Kenji SUZUKI, Assistant Director, Grant Aid Division, Economic Cooperation Bureau, Ministry of Foreign Affairs, and is scheduled to stay in the country from November 8 to November 16, 1995.

As a result of discussions and field survey, both parties confirmed the main items described on the attached sheets.

Jakarta, November 14, 1995

Kenji SUZUKI,
Leader,
Basic Design Study Team, JICA
Japan

Dr.H. Susilo Supeno,
Director General for the Development of Social
Rehabilitation, Ministry of Social Affairs,
the Republic of Indonesia

ATTACHMENT

1. COMPONENTS OF DRAFT REPORT

The Government of Indonesia has agreed and accepted in principal the components of the Draft Report proposed by the team. Both Parties have confirmed the major items to be covered under the Project as listed in Annex-1.

2 JAPAN'S GRANT AID SYSTEM

1) Indonesian side has understood the system of Japan's Grant Aid Programme explained in Annex-2.

2) The Government of Indonesia will take necessary measures described in Annex-3 for smooth implementation of the Project on condition that the Grant Aid by the Government of Japan is extended to the Project.

3. FURTHER SCHEDULE OF THE STUDY

The Team will make the final report in accordance with the confirmed items, and send it to the Government of Indonesia by the end of February 1996.

4. OTHER RELEVANT ISSUES

The Indonesian side should complete the necessary works of retaining wall construction at the Project site by the end of July, 1996. and also should submit the monthly progress report of the works of retaining wall construction to JICA Jakarta office after April 1996 to the time of completion.

ANNEX-1
ITEMS TO BE COVERED BY THE PROJECT

1. Facilities

    1) Vocational Training Building for 100 disabled people.
    2) Work Preparation Building
    3) Resocialization Building
    4) Staff Training Building
    5) Research & Development Building
    6) Dormitories
        a) Dormitory for the Disabled People
        b) Dormitory for Rehabilitation Staff Training
    7) Administration Building
    8) Dining Room and Kitchen
    9) Multipurpose Hall

2. Equipment

    As per attached Annex - 4.

ANNEX-2
JAPAN'S GRANT AID PROGRAMME

1. Japan's Grant Aid Procedure

The Japan's Grant Aid Programme is executed in the following procedures:

1) • Application (A request made by the recipient country)
   • Study (Basic Design Study conducted by JICA)
   • Appraisal & Approval (Appraisal by the Government of Japan and Approval by the Cabinet of Japan)
   • Determination of Implementation (Exchange of Notes between both Governments)
   • Implementation (Implementation of the Project)

2) At the first step (Application), a request made by the recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs), whether or not it is suitable for Grant Aid. If the request is confirmed that it has a high priority as the Project for Grant Aid, the Government of Japan instructs JICA to conduct the Study.
   At the second step (the Study), the Basic Design Study is conducted by JICA basically under contracts with a Japanese consulting firm to carry out.
   At the third step (Appraisal & Approval), the Government of Japan appraises whether or not the Project is suitable for Japan's Grant Aid Programme based on the Basic Design Study Report prepared by JICA and then submitted for approval by Cabinet.
   At the fourth step(Determination of Implementation),the Project approved by the Cabinet is officially determined to implement by signing the Exchange of Notes between both Governments.
   In the course of implementation of the Project, JICA will take charge of expediting the execution by assisting the recipient country in terms of the procedures of tender, contract and others.

2. Contents of the study

The purpose of the study (the Basic Design Study) conducted by JICA is to provide basic documents necessary for the appraisal by the Government of Japan whether or not the project is viable for Japan's Grant Aid Programme. The contents of the Study are as follows;

a) to confirm the background of the request, objectives and effects of the Project and maintenance ability of the recipient country necessary for the implementation,
b) to evaluate the appropriateness of the Grant Aid from the technological, social and economical points of views,
c) to confirm the basic concept of the plan mutually agreed upon through discussion between both sides,
d) to prepare a basic design of the Project,
e) to estimate the rough cost of the Project,

The Contents of the original request are not necessarily approved as the contents of the Grant Aid as it is. The Basic Design of the Project is confirmed considering the Japan's Grant Aid Scheme.
In the implementation of the Project, the Government of Japan requests the recipient country to take necessary measures in order to promote it's self-reliance. Those undertakings shall be guaranteed even if the recipient implementing entity does not have jurisdiction. Therefore, the implementation of the Project is confirmed by all relevant organizations in the recipient country in the Minutes of Discussions.

3. Contract with a Consultant

For the smooth implementation of the Study, JICA selected a consultant among those who are registered to JICA by evaluating proposals submitted by those consultants. The selected consultant carried out the Basic Design Study and prepared a report based upon the terms of reference made by JICA.

At the stage of implementation after the Exchange of Notes, for concluding the contract regarding the Detailed Design and Construction Supervision of the Project between a consultant and the recipient country, it is important that the recipient country should make a contract promptly with the same consultant which participated in the Basic Design Study and also recommended by JICA in order to maintain the technical consistency between the Basic Design Study and the further consulting services as well as to avoid undue delay in the project implementation under the single fiscal year system of Japan's Grant Aid.

4. Japan's Grant Aid Scheme

1) What is Grant Aid ?

The Grant Aid Programme provides the recipient country with nonreimbursable funds needed to procure facilities, equipment and services (labor or transportation, etc.) for economic and social development in the country under the following principles in accordance with the relevant laws and regulations of Japan.The Grant Aid is not a form of donation in kind to the country.

2) Exchange of Notes (E/N)

The Japan's Grant Aid is extended in accordance with the Exchange of Notes between both Governments, in which the objectives of the Projects, period, conditions, amount of the grant, etc.are confirmed.

3) Period

The period of the Grant Aid is within the Japanese fiscal year in which the Cabinet approved the Project. Within the fiscal year, all procedure such as Exchange of Notes, concluding contracts by the recipient country with the consultant and contractors, and the final payment to them shall be completed.

In the case of a big project which requires net construction period more than 12 months, the period of the Grant Aid is designated covering more than one fiscal year depending on Basic Design Study Report.

However in case of the delay of delivery, installation or construction due to events such as weather, the period of the Grant Aid can be further extended for one fiscal year at most by mutual agreement between both Governments.

4) Purchase of the Products and or Services

The Grant Aid is used properly and exclusively for the purchase of the products, in principle, of Japan or the recipient country and of the services of the Japanese or the recipient country's nationals. The term "Japanese" means juridical persons controlled by Japanese physical persons.

When both Governments deem it necessary, the Grant Aid may be used for the purchase of the products and/or services of the third country (other than Japan or the recipient country).

However, in terms of the principle of the Grant Aid, the prime contractors, that is the consultant, contractor and procurement firm, necessary for the the implementation of the Grant Aid are limited to "Japanese nationals".

5) Verification

The Government of recipient country or its designated authority will conclude the contracts in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. The "Verification" is necessary because the source of the Grant Aid is the taxes of Japanese nationals.

6) Undertakings required to the Government of Recipient Country

(As described in ANNEX-3)

7) Proper Use

The recipient country is required to maintain and use the facilities constructed and the equipment purchased under the Grant Aid properly and effectively and to assign the necessary staff for operation and maintenance of them as well as to bear all the expenses other than those to borne by the Grant Aid.

8) Re-export

The products purchased under the Grant Aid shall not be re-exported from the recipient country.

9) Banking Arrangement(B/A)

a)The Government of the recipient country or its designated authority shall open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by Government of the recipient country or its designated authority under the contracts verified.

b)The payments will be made when payment requests are presented by the Bank to the Government of Japan under the an Authorization to Pay (A/P) issued by the Government of the recipient country or its designated authority.

ANNEX 3
NECESSARY MEASURES TO BE TAKEN BY THE INDONESIAN SIDE

Following necessary measures shall be taken by the Government of the Republic of Indonesia on condition that the Grant Aid by the Government of Japan is extended to the Project.

1. To provide data and information necessary for the Project;

2. To secure a land for the Project;

3. To clear, level and reclaim the site for the Project prior to the Project implementation ;

4. To provide proper access road to the project area;

5. To undertake gardening, fencing, exterior lighting, and other incidental outdoor works in and around the Project site;

6. To provide the following incidental facilities to the Project:
   (1)Electricity distributing line to the site,
   (2)City water distribution main to the site,
   (3)Drainage main to the site,
   (4)Telephone trunk line to the site,
   (5)General furniture such as carpet, curtain and others, and
   (6)Other incidental facilities necessary for the Project realization;

7. To bear commissions to the Japanese foreign exchange bank for its banking services based upon the Banking Arrangement, namely the advising commission of the "Authorization to pay" and payment commission;

8. To ensure prompt unloading, tax exemption, customs clearance at the port of disembarkation in Indonesia and prompt internal transportation therein of the materials and equipment for the Project purchased under the Grant Aid;

9. To exempt Japanese juridical and physical nationals engaged in the Project from customs duties,internal taxes and other fiscal levies which may be imposed in Indonesia with respect to the supply of the products and services under the verified contracts;

10. To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract such facilities as may be necessary for their entry into Indonesia and stay therein for the performance of their work;

11. To provide necessary permissions, licenses and other authorizations for implementing the Project, if necessary;

12. To maintain and use properly and effectively the facilities constructed and the equipment provided under the Project; and

13. To bear all expenses, other than those to be borne by the Japan's Grant Aid within the scope of the Project.

ANNEX 4

NO.	ITEM NO.	ITEM	QTY
1	AD-001	Mini Bus	1
2	AD-002	Overhead Projector	3
3	AD-003	Slide Projector	1
4	AD-004	Screen	3
5	AD-005	White Board	5
6	AD-006	Copy Machine	1
7	AS-001	Motorcycle Engine Trainer (A)	1
8	AS-002	Motorcycle Engine Trainer (B)	1
9	AS-003	Motorcycle Engine Trainer (C)	1
10	AS-004	Hand Tractor Engine Trainer	1
11	AS-005	Motorcycle Cut-Away Model (Gasoline)	1
12	AS-006	Pedestal Grinding Machine	1
13	AS-007	Bench Drilling Machine	1
14	AS-008	Cylider Compression Gauge	1
15	AS-009	Camber Tester	1
16	AS-010	Tune Up Tester	1
17	AS-011	Carburetor Balancer	1
18	AS-012	Nozzle Tester	1
19	AS-013	Timing Light	1
20	AS-014	Inside Micrometer	2
21	AS-015	Outside Micrometer (MM Scale)	2
22	AS-016	Outside Micrometer (Inch Scale)	2
23	AS-017	Dial Gauge	2
24	AS-018	Feeler Gauge	2
25	AS-019	Batery Quick Changer	2
26	AS-020	Nozzle Cleaning Kit	2
27	AS-021	Spark Plug Cleaner	1
28	AS-022	Electric Drill	1
29	AS-023	Body Repair Tools Set	1
30	AS-024	Spray Gun (A)	1
31	AS-025	Spray Gun (B)	1
32	AS-026	Tube Flaring and Cutting Tool	1
33	AS-027	Vernier Caliper (A)	1
34	AS-028	Vernier Caliper (B)	1
35	AS-029	Taps and Dies Set	2
36	AS-030	Socket Wrench Set (A)	2

ANNEX 4

NO.	ITEM NO.	ITEM	QTY
37	AS-031	Socket Wrench Set (B)	2
38	AS-032	Torque Wrench Set (A)	1
39	AS-033	Torque Wrench Set (B)	1
40	AS-034	Torque Wrench Set (C)	1
41	AS-035	Cabby Tool Stand	3
42	AS-036	Parts Washing Stand	1
43	MW-001	Engine Lathe (Small)	5
44	MW-002	Precision Surface Grinding Machine	1
45	MW-003	Cylindrical Grinding Machine	1
46	MW-004	Shaping Machine	1
47	MW-005	Precision Slotter	1
48	MW-006	Universal Milling Machine	1
49	MW-007	Vertical Milling Machine	1
50	MW-008	Drill Point Grinder	1
51	MW-009	Universal Cutter & Tool Grinder	1
52	MW-010	Bench Drilling Machine	1
53	MW-011	Contour Machine	1
54	MW-012	Power Hack Saw Machine	1
55	MW-013	Pedestal Grinder	1
56	MW-014	Electric Drill Portable	1
57	MW-015	Electric Sander Portable	1
58	MW-016	Precision Surface Plate	1
59	MW-017	Granite Surface Plate	1
60	MW-018	Electric Hoist with I-beam (1 ton)	2
61	MW-019	Measuring Instruments	1
62	MW-020	Upright Drilling Machine	1
63	MW-021	Arbor Press	1
64	MW-022	Band Sawing Machine	1
65	MW-023	High speed Cut-off Machine	1
66	MW-024	Gauge Block Set	1
67	MW-025	Portable Air Compressor	1
68	MW-026	Hand Tools with Wagon	5
69	MW-027	Cutting Tools	1
70	MW-028	Hydraulic Hand Pallet	2
71	MW-029	Hand Trolley	2
72	AW-001	Arc Welding Mahcine (AC)	3

ANNEX 4

NO.	ITEM NO.	ITEM	QTY
109	AW-038	Welding Apron	5
110	AW-039	Welding Glove	5
111	AW-040	Welding Drying Oven	5
112	EL-001	Semi Conductor Application Experiment	1
113	EL-002	Logical Circuit Practice Trainer	1
114	EL-003	OP Amplifier Circuit Trainer	1
115	EL-004	AM Modulation and demodulation System	2
116	EL-005	FM Modulation and Demodulation System	2
117	EL-006	Colored Television Experimental System	2
118	EL-007	Portable DC Volt Meter	2
119	EL-008	Portable DC Ammeter	2
120	EL-009	Portable AC Volt Meter	2
121	EL-010	Portable AC Ammeter	2
122	EL-011	Electric Counter	2
123	EL-012	TV-VHF/UHF Field Level meter	1
124	EL-013	RC Oscillator	1
125	EL-014	AF Cable	2
126	EL-015	FM/AM Signal Generator	1
127	EL-016	Digital Multi Meter	2
128	EL-017	Pattern Generator	1
129	EL-018	Spare RF Cable with Generator	2
130	EL-019	VHF Sweep Marker Generator	1
131	EL-020	Automatic Voltage Regulator	1
132	EL-021	DC Power Supply	2
133	EL-022	Dual Trace Oscilloscope	1
134	EL-023	Probe for Dual Trace Oscilloscope	1
135	EL-024	FM MPX Stereo Signal Generator	1
136	EL-025	Insulation Tester	1
137	EL-026	AM Signal Generator	1
138	EL-027	Measuring Cable for above Item	5
139	EL-028	Distortion Meter	1
140	EL-029	Tester & Spare Test Leads for Tester (A)	5
141	EL-030	Tester & Spare Test Leads for Tester (B)	5
142	EL-031	Multi-Meter	2
143	EL-032	Bench Drill Press	1
144	EL-033	Bench Grinder	1

ANNEX 4

NO.	ITEM NO.	ITEM	QTY
73	AW-002	Arc Welding Mahcine (DC)	3
74	AW-003	Automatic Flame Plate Cutting Machine	2
75	AW-004	Welding Trainer	3
76	AW-005	Shearing Machine	1
77	AW-006	Plate Bending Machine	1
78	AW-007	Pipe Bender	1
79	AW-008	Bending Roll Machine	1
80	AW-009	Hand Grinder	1
81	AW-010	Power Hacksaw	1
82	AW-011	Riveting Machine	1
83	AW-012	Air Compressor	1
84	AW-013	Welding Table	5
85	AW-014	Bevel Cutting Machine	1
86	AW-015	Hydraulic Tester	1
87	AW-016	Positioner	1
88	AW-017	Safety Trolly	2
89	AW-018	Hand Power Brush	3
90	AW-019	Tap & Die Set (MM Size)	2
91	AW-020	Tap & Die Set (Inch Size)	2
92	AW-021	Pipe Thread Cutter	1
93	AW-022	Welding Gauge (A)	5
94	AW-023	Welding Gauge (B)	2
95	AW-024	Welding Gauge (C)	2
96	AW-025	Square (A)	1
97	AW-026	Square (B)	1
98	AW-027	Steel Rule	2
99	AW-028	Measuring Tape	2
100	AW-029	Blacksmth Tongs	2
101	AW-030	Chipping Hammer	5
102	AW-031	Anvil	1
103	AW-032	Bench Vice (A)	2
104	AW-033	Dividers	1
105	AW-034	Sciber	5
106	AW-035	C Clamp	1
107	AW-036	Pipe Wrench	2
108	AW-037	Welding Helmet	5

ANNEX 4

NO.	ITEM NO.	ITEM	QTY
145	EL-034	Portable Luxmeter	1
146	EL-035	Wow and Flutter Meter	1
147	EL-036	Variable Attenuator	1
148	EL-037	Rheostats	1
149	EL-038	Volt Slider (A)	1
150	EL-039	Volt Slider (B)	1
151	EL-040	Portable Standard Wattmeter	1
152	EL-041	Portable Power Factor Meter	1
153	EL-042	Tachometer	1
154	EL-043	Demagnetizer	2
155	EL-044	Head Eraser	2
156	EL-045	Testing Tape for Tape Recorder	2
157	EL-046	Signal Generator	1
158	EL-047	Clamp Meter	1
159	EL-048	Transistor Checker	1
160	EL-049	Portable Radio (AM/FM)	2
161	EL-050	Color TV	2
162	EL-051	Electric Iron	2
163	EL-052	Hi-Fi Stereo System	2
164	EL-053	Stereo Radio Cassette Recorder	2
165	EL-054	Car Audio System	2
166	EL-055	VTR System	2
167	EL-056	Fan	2
168	EL-057	Portable Amplifier	2
169	EL-058	Refrigerator	2
170	EL-059	Water Cooler	2
171	EL-060	Radio Assembly	2
172	EL-061	Automatic Washer	2
173	EL-062	Washer (Twin Tub)	2
174	EL-063	Steam Iron	1
175	EL-064	Light Stand (A)	1
176	EL-065	Rice Cooker	1
177	EL-066	Electrician Tools Set with Tool Box	1
178	EL-067	Laser Disk Player	1
179	EL-068	Air Conditioner	1
180	EL-069	Coffee Maker	1

ANNEX 4

NO.	ITEM NO.	ITEM	QTY
181	CP-001	Personal Computer	21
182	CP-002	Computer Central (Server)	1
183	CP-003	Laser Printer	2
184	CP-004	Dot type Printer	5
185	CP-005	LAN System	1
186	CP-006	Image Scanner	2
187	CP-007	Software (OS, Word Star, Lotus, FORTRAN, LAN, Bookkeeping/ Accounting)	21
188	CP-008	Color Printer	1
189	CP-009	Compact Disk Drive	1
190	CP-011	Uninterrupted Power Supply 2KVA	21
191	PT-001	Personal Computer for Typesetting	5
192	PT-002	Image Scanner	2
193	PT-003	Laser Printer	2
194	PT-004	Full-color Dot Printer	1
195	PT-005	Process Camera	1
196	PT-006	Film Processor	1
197	PT-007	Light Table with Lettering Tools	1
198	PT-008	Vacuum Contact Printer	1
199	PT-009	Process Sink with Vertical Vat	1
200	PT-010	Electronic Plate Maker	1
201	PT-011	Heavy duty Offset Press	1
202	PT-012	Installation Tools	1
203	PT-013	Paper Folding Machine	1
204	PT-014	Paper Collator with Receiving Tray	1
205	PT-015	Wire Stitching Machine	1
206	PT-016	Glue Book Binding Machine	1
207	PT-017	Guillotine Cutter	1
208	DL-001	High speed 1-Needle Lockstitch Machine	2
209	DL-002	1-Needle Lockstitch with Automatic Thread Trimmer	21
210	DL-003	Super high speed Safety Stitch Machine	2
211	DL-004	1-Needle 3-Tread Overlock Machine	4
212	DL-005	High speed 1-Needle Cylinder Bed Bartacking Mc.	2
213	DL-006	1-Needle Cylinder Bed Lockstich Bar Tacking Machine	2
214	DL-007	1-Needle Embroidering Sewing Machine	2
215	DL-008	Single-Tread, Chainetitch, Button Sewing Machine	2
216	DL-009	1-Needle Lockstitch Buttonholding Machine	2

ANNEX 4

NO.	ITEM NO.	ITEM	QTY
217	DL-010	Eyelet Button Holding Machine	1
218	DL-011	1-Needle Cylinder Bed Lockstich Industrial Sewing Machine	1
219	DL-012	Flat Bed, 2-Needle, Double Chainstich Industrial Machine	1
220	DL-013	1-Needle, Lockstich, Standard Zigsag Stiching	1
221	DL-014	Boiler with Water Softing Unit	4
222	DL-015	Industrial Type Iron with Suction Board (Under Pressing Process)	2
223	DL-016	Industrial Type Iron with Suction Board (Finishing Press Process)	2
224	DL-017	Steam Iron with Press Board	3
225	DL-018	Cutter (Vertical Blade)	2
226	DL-019	Cutter (Round Blade)	2
227	DL-020	Hand Knife	1
228	DL-021	Cloth Cutting Table (Small)	1
229	DL-022	Cloth Cutting Table (Big)	1
230	DL-023	Cloth Cutter	1
231	DL-024	Bonded Press	1
232	DL-025	Dress-Maker's Body Model (foo Women-male Pants)	2
233	DL-026	Dress-Maker's Body Model (foo Men-male Pants)	2
234	DL-027	Body (for Women-S.M.L)	3
235	DL-028	Body (for Men-S.M.L)	3
236	DL-029	Tool Set for Sewing	1
237	DL-030	Coat Hanger	2
238	DL-031	Pattern hanger	2
239	PH-001	Hand Dynamometer	2
240	PH-002	Back & Leg Dynamometer	2
241	PH-003	Platform Scale	2
242	PH-004	Spirometer	2
243	PH-005	Eye-Test Illuminator Chart	2
244	PH-006	Eye-Test Chart	2
245	PH-007	Perimeter	2
246	PH-008	Eye-Test Chart Book	2
247	PH-009	Height Measure	2
248	PH-010	Sitting Height Measure	1
249	PH-011	Adiometer	1
250	PH-012	Personal Computer	5
251	PH-013	Laser Printer	1

ANNEX 4

NO	ITEM NO.	ITEM	QTY
252	PH-014	Dot type Printer	1
253	PH-015	Stop Watch	5
254	PH-016	Wice Test	5
255	PH-017	General Vocational Aptitude Tester	5

Note: The Numbers on the equipment list are estimated as the maximized quantities.

Legend

AD: Administration

AS: Metal Work (Small Engine Repair)

MW: Metal Work (Machining)

AW: Metal Work (Welding)

EL: Electronics(Electronic Instrument Assembly & Home Appliance Repair)

CP: Computer

PT: Printing

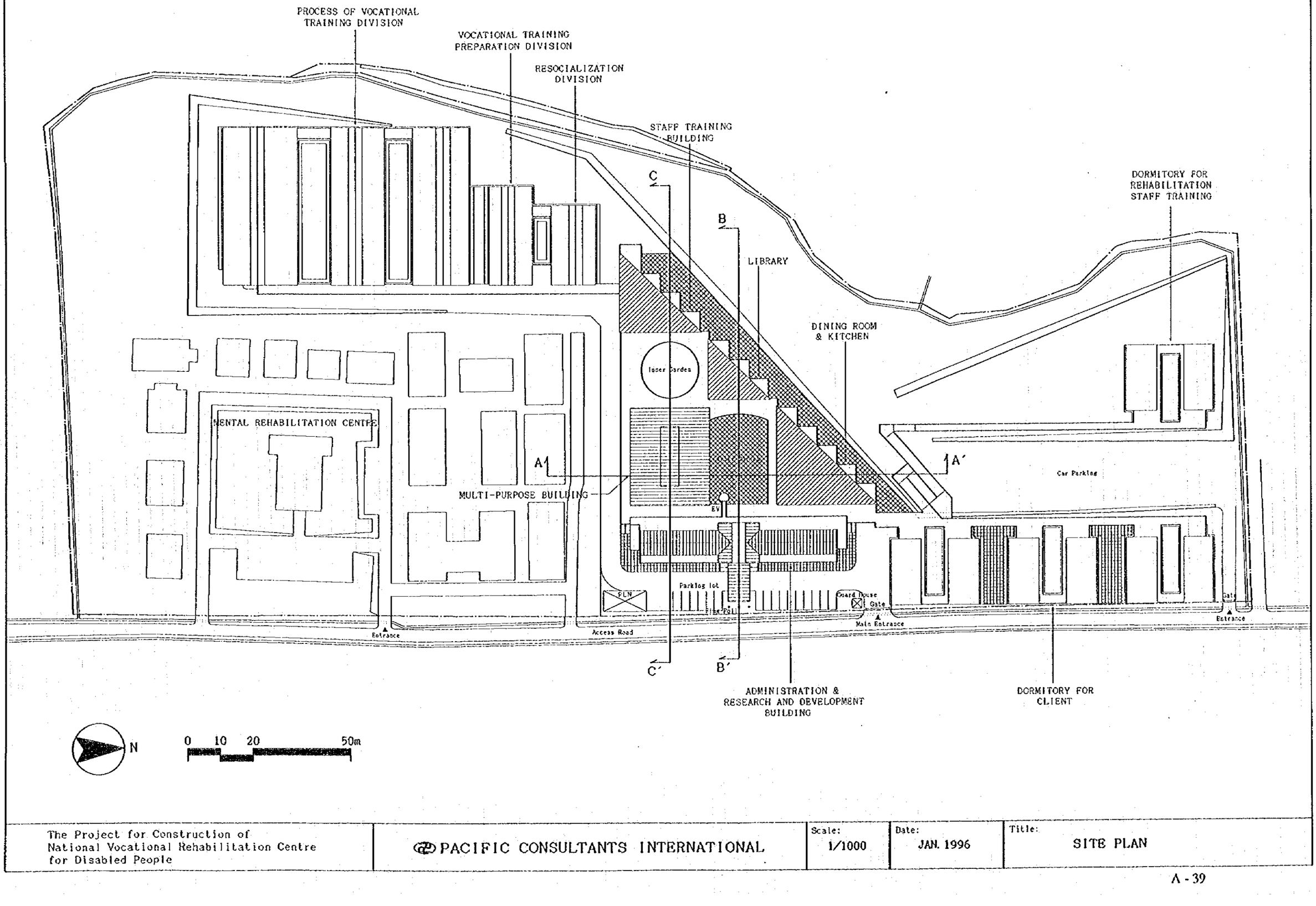
DL: Textile Work

PH: Assesment/Work Preparation

Project Cost Estimation

The project cost for the portions to be dealt with by the Indonesia side is estimated as follows:

Item of Works	Estimated Cost
(1) Site Preparation	Rp. 840,206,275
(2) Other Expenses (Utilities, etc.)	Rp. 96,260,000
Total	Rp. 936,466,275



The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: 1/1000	Date: JAN. 1996	Title: SITE PLAN

PROCESS OF VOCATIONAL TRAINING DIVISION

VOCATIONAL TRAINING PREPARATION DIVISION

RESOCIALIZATION DIVISION

STAFF TRAINING BUILDING

LIBRARY

DINING ROOM & KITCHEN

DORMITORY FOR REHABILITATION STAFF TRAINING

MENTAL REHABILITATION CENTRE

MULTI-PURPOSE BUILDING

Car Parking

Entrance

Access Road

Main Entrance

Entrance

ADMINISTRATION & RESEARCH AND DEVELOPMENT BUILDING

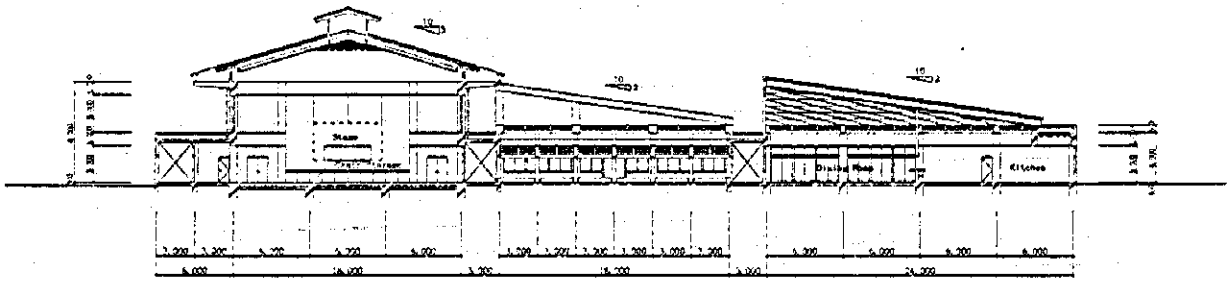
DORMITORY FOR CLIENT

N

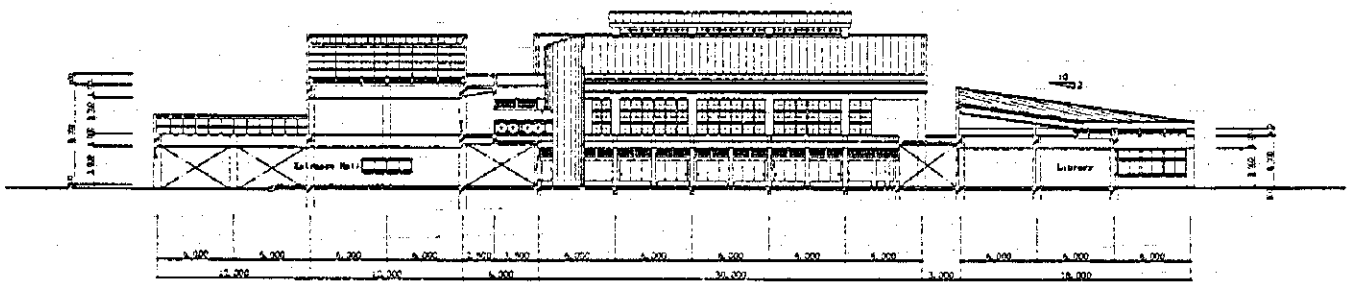
0 10 20 50m

(2F)

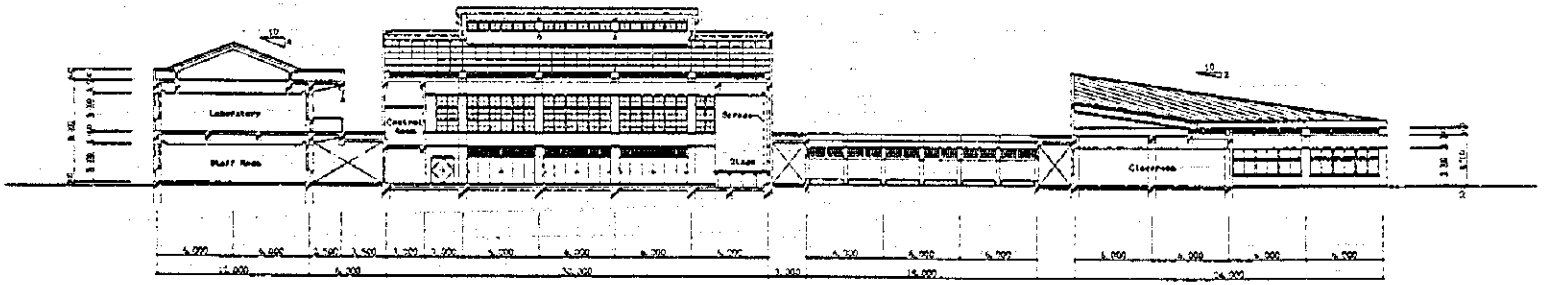
The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: 1/1000	Date: JAN. 1996	Title: FIRST FLOOR PLAN



A-A' SECTION

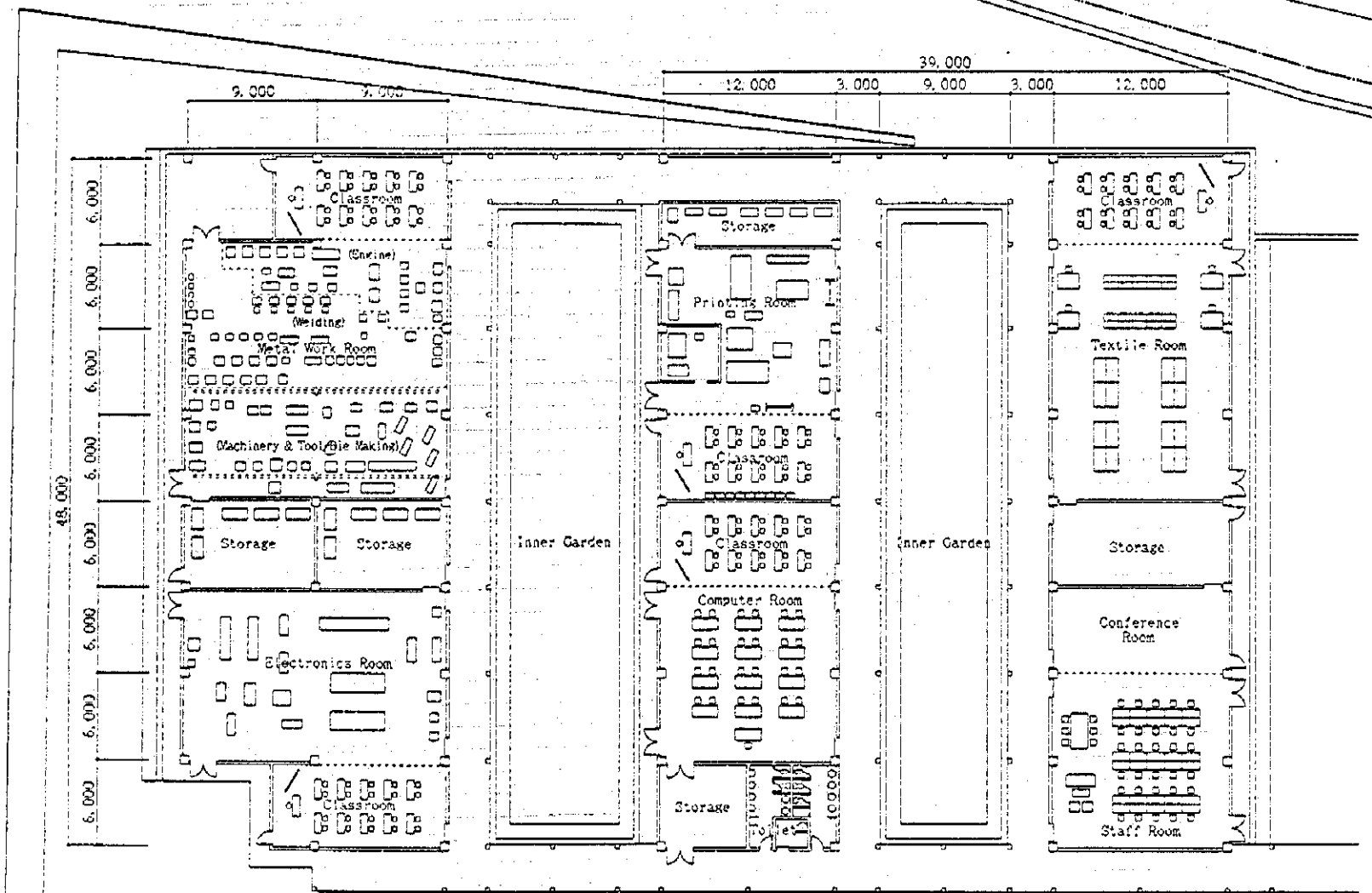


B-B' SECTION



C-C' SECTION

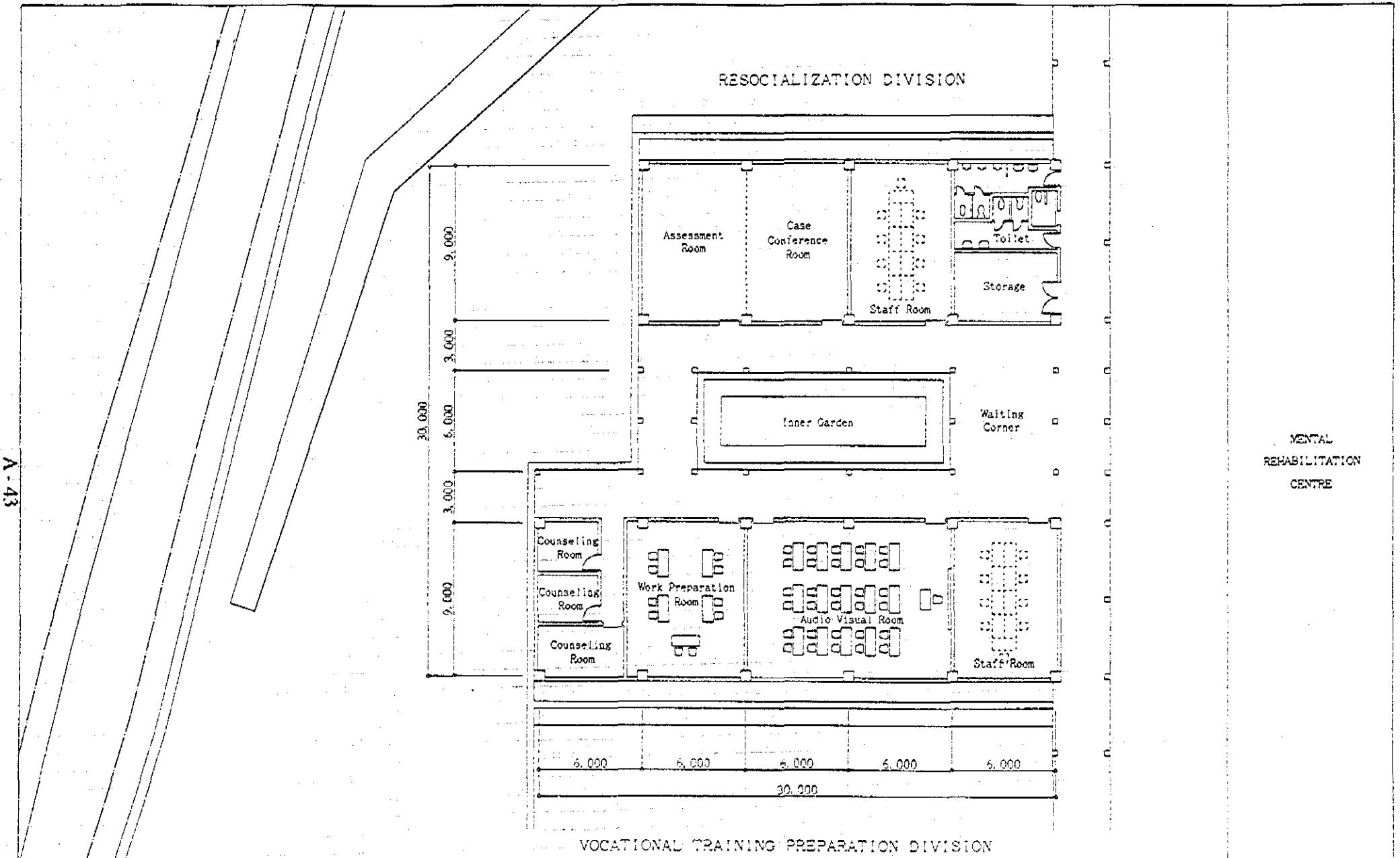
The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: NTS	Date: DEC. 1995	Title: GENERAL SECTION



PROCESS OF VOCATIONAL TRAINING DIVISION

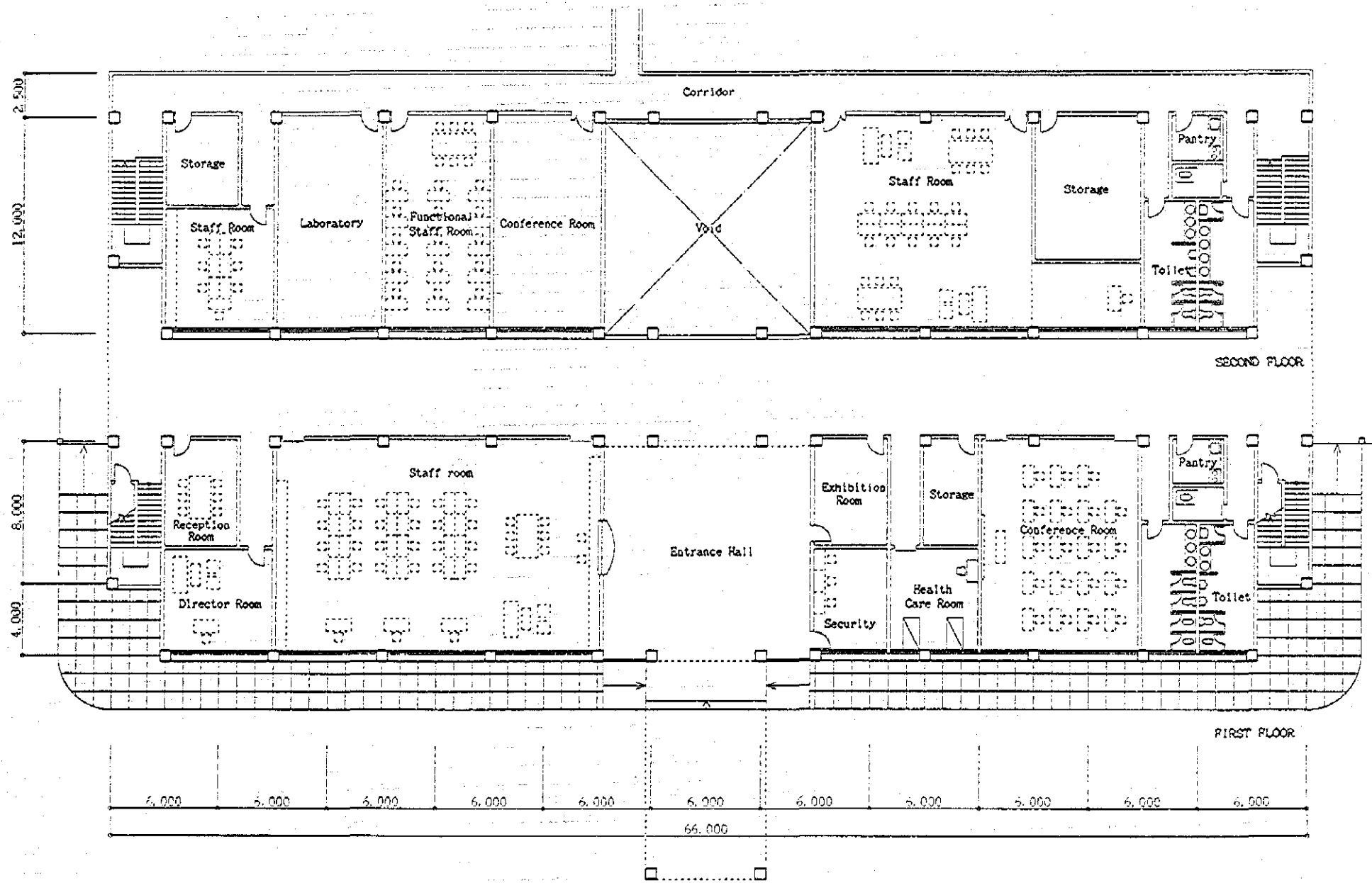
The layout of Furniture and Equipment is reference only.

The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: NTS	Date: JAN. 1996	Title: DETAILED PLAN (Process of Vocational Training Division)



The layout of Furniture and Equipment is reference only.

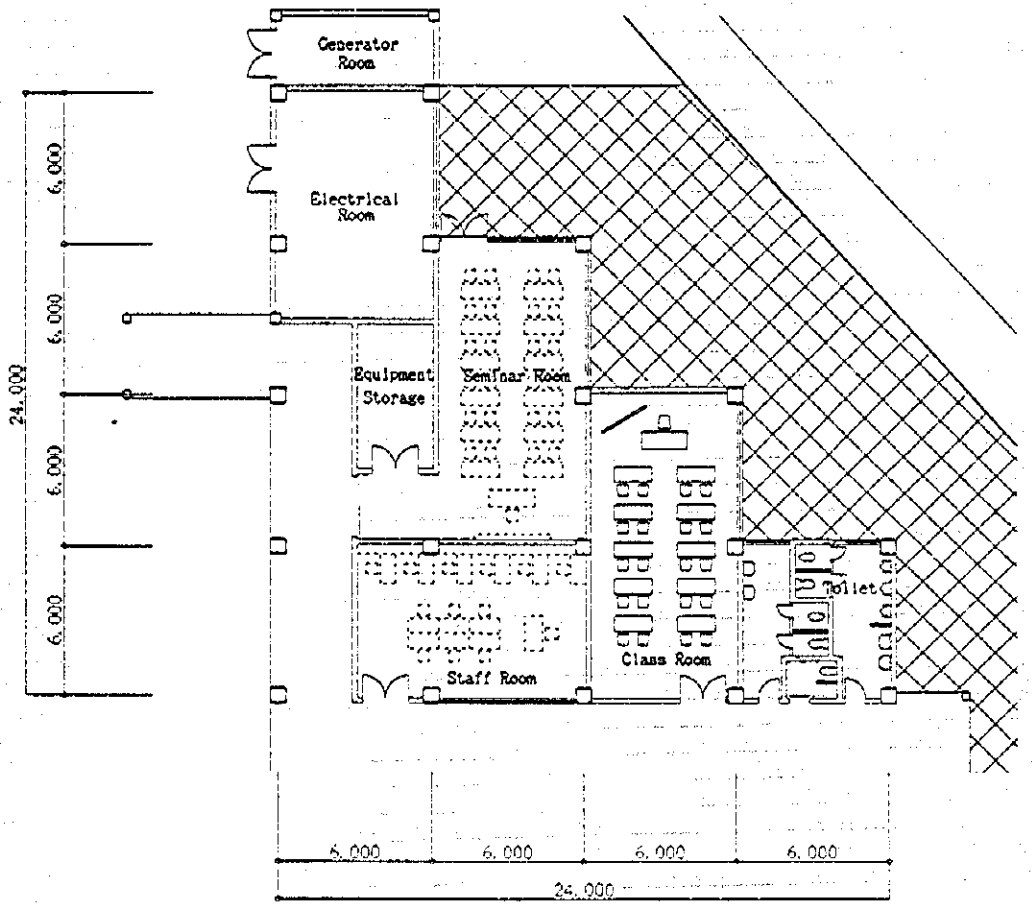
The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: NTS	Date: JAN. 1996	Title: DETAILED PLAN (Resocialization Division & Vocational Training Preparation Division)



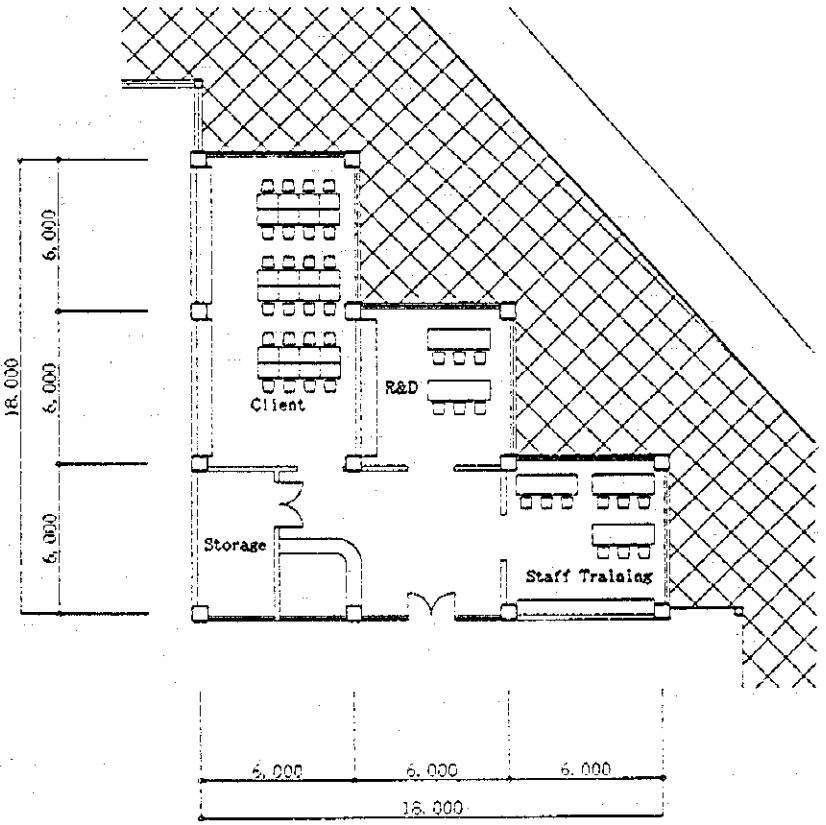
ADMINISTRATION & RESEARCH AND DEVELOPMENT BUILDING

The layout of Furniture and Equipment is reference only.

The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: NTS	Date: DEC. 1995	Title: DETAILED PLAN (Administration & Research and Development Building)



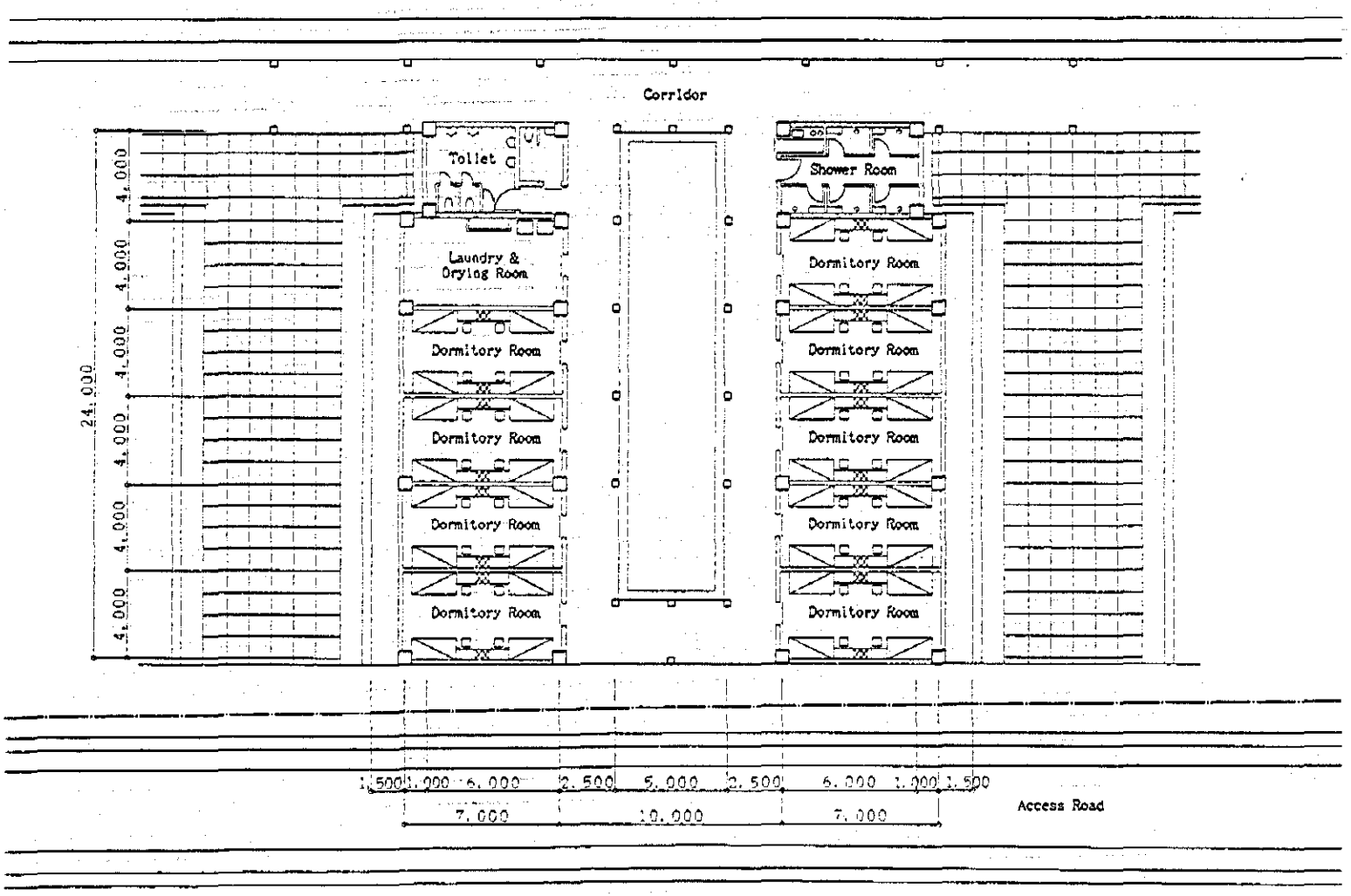
STAFF TRAINING BUILDING



LIBRARY

The layout of Furniture and Equipment is reference only.

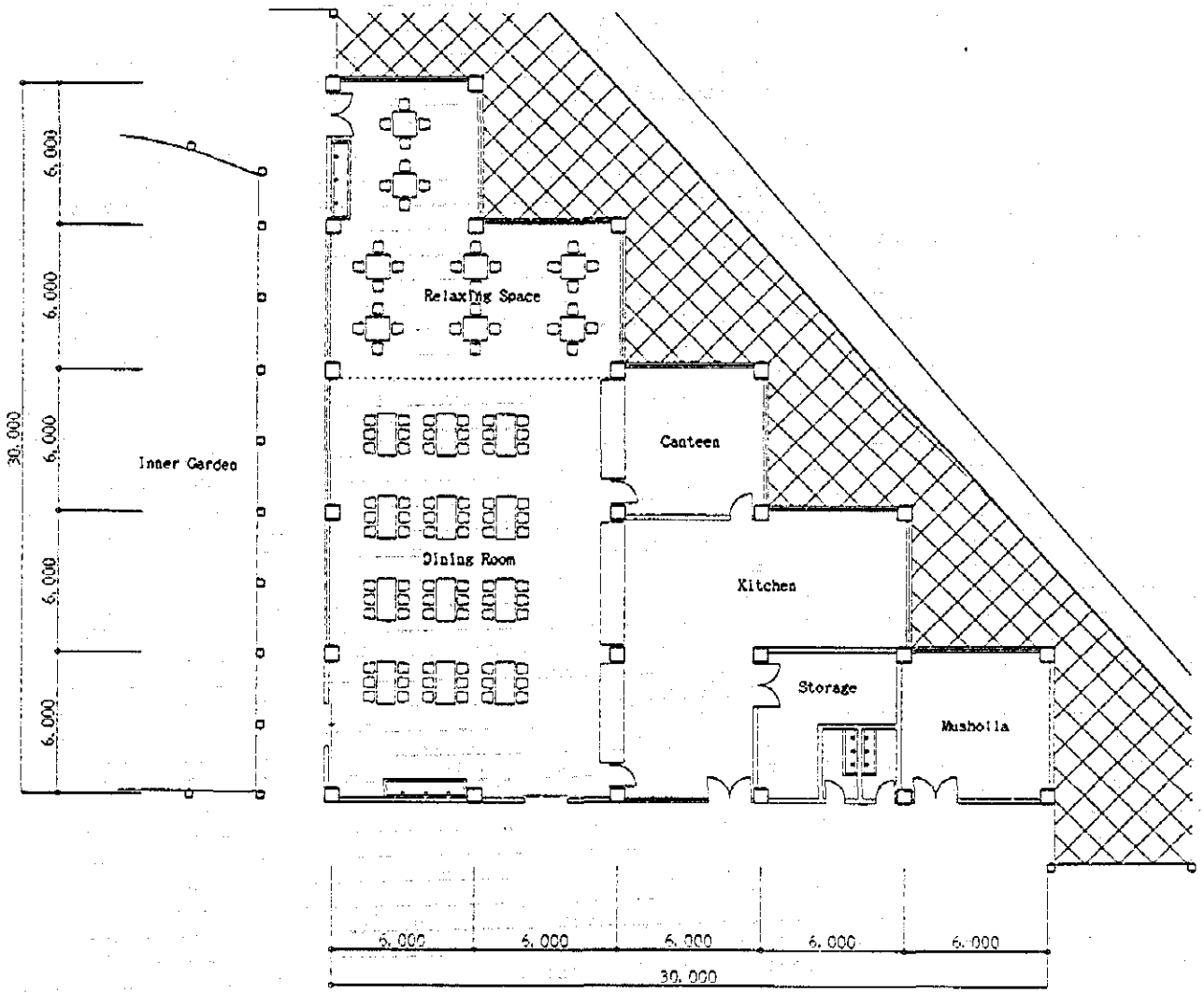
The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: NTS	Date: DEC. 1995	Title: DETAILED PLAN (Staff Training Building & Library)



DORMITORY FOR CLIENT

The layout of Furniture and Equipment is reference only.

The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: NTS	Date: DEC. 1995	Title: DETAILED PLAN (Dormitory for Client)

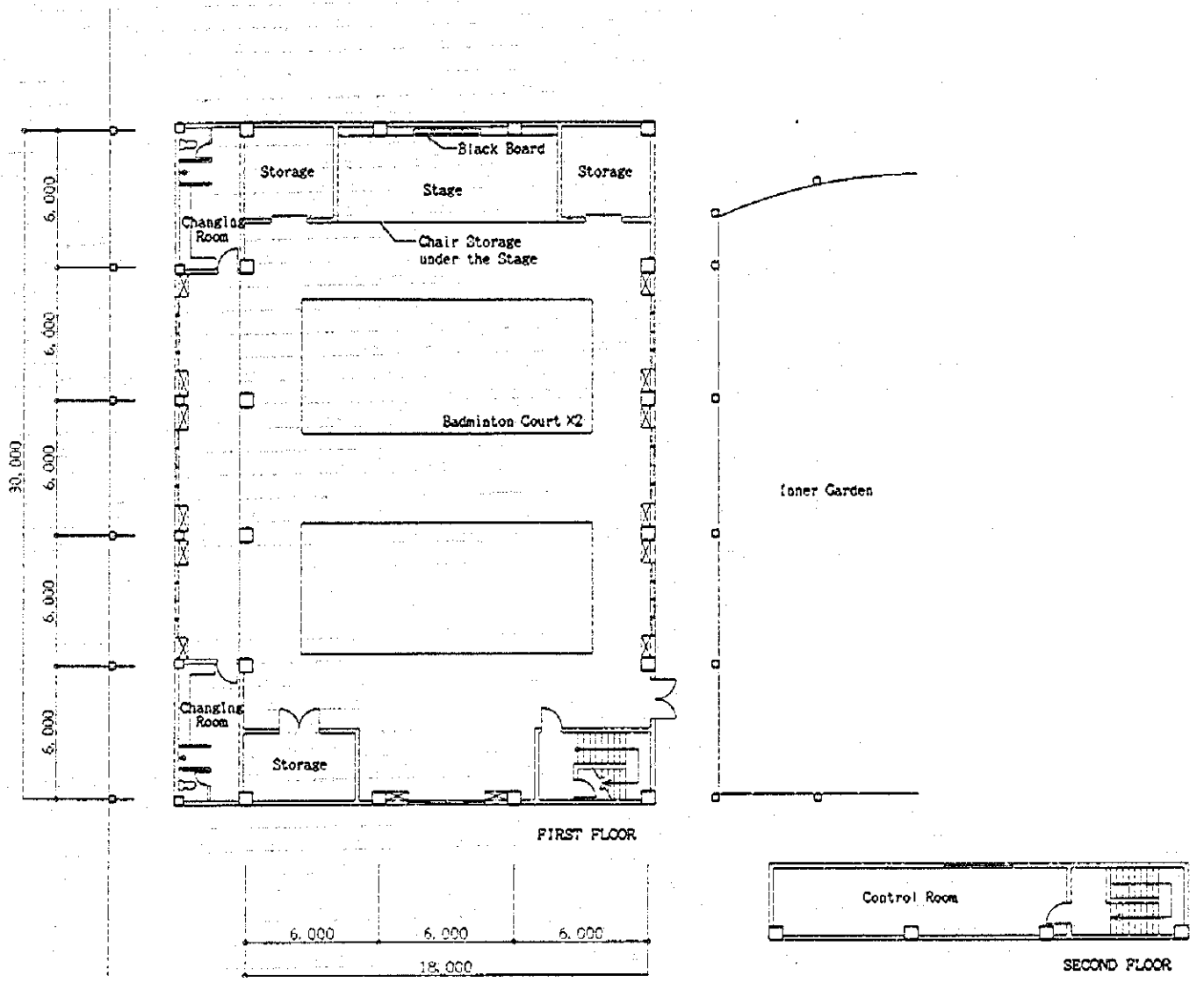


DINING ROOM & KITCHEN

The layout of Furniture and Equipment is reference only.

The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: NTS	Date: DEC. 1995	Title: DETAILED PLAN (Dining Room & Kitchen)

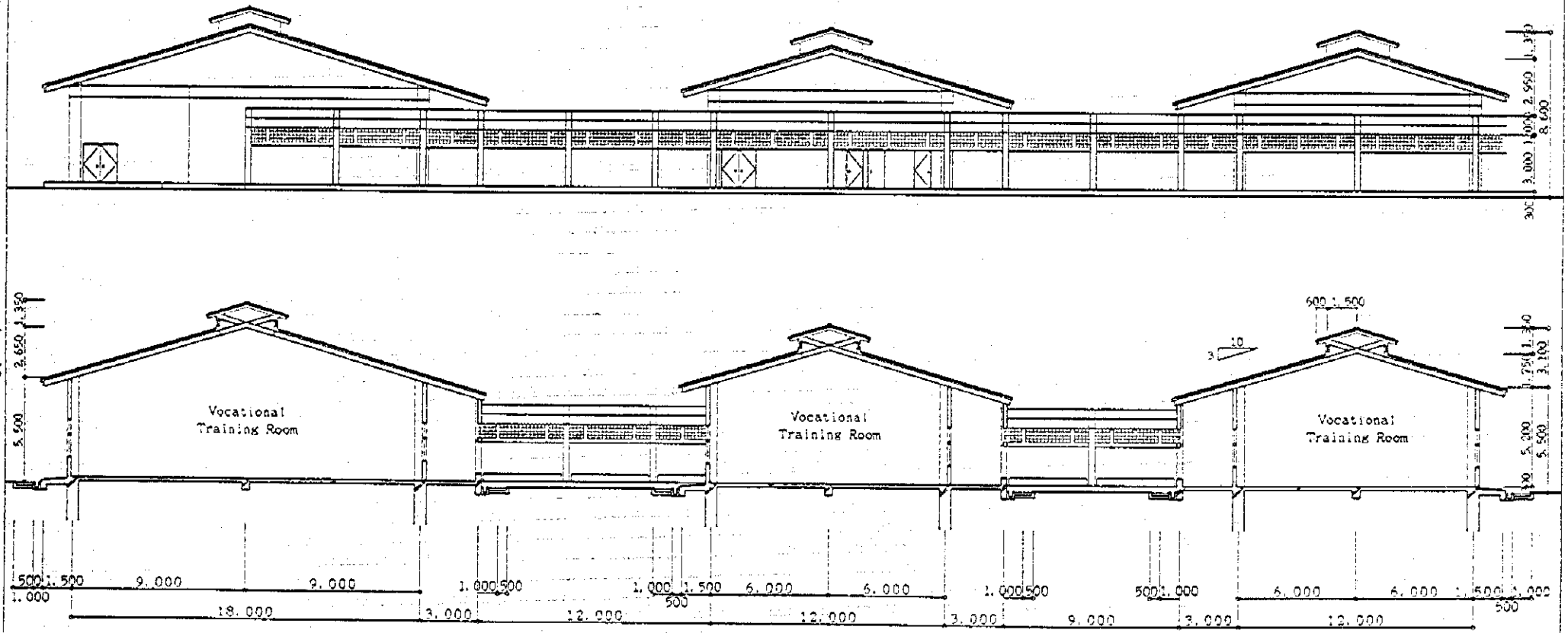
MENTAL REHABILITATION CENTRE



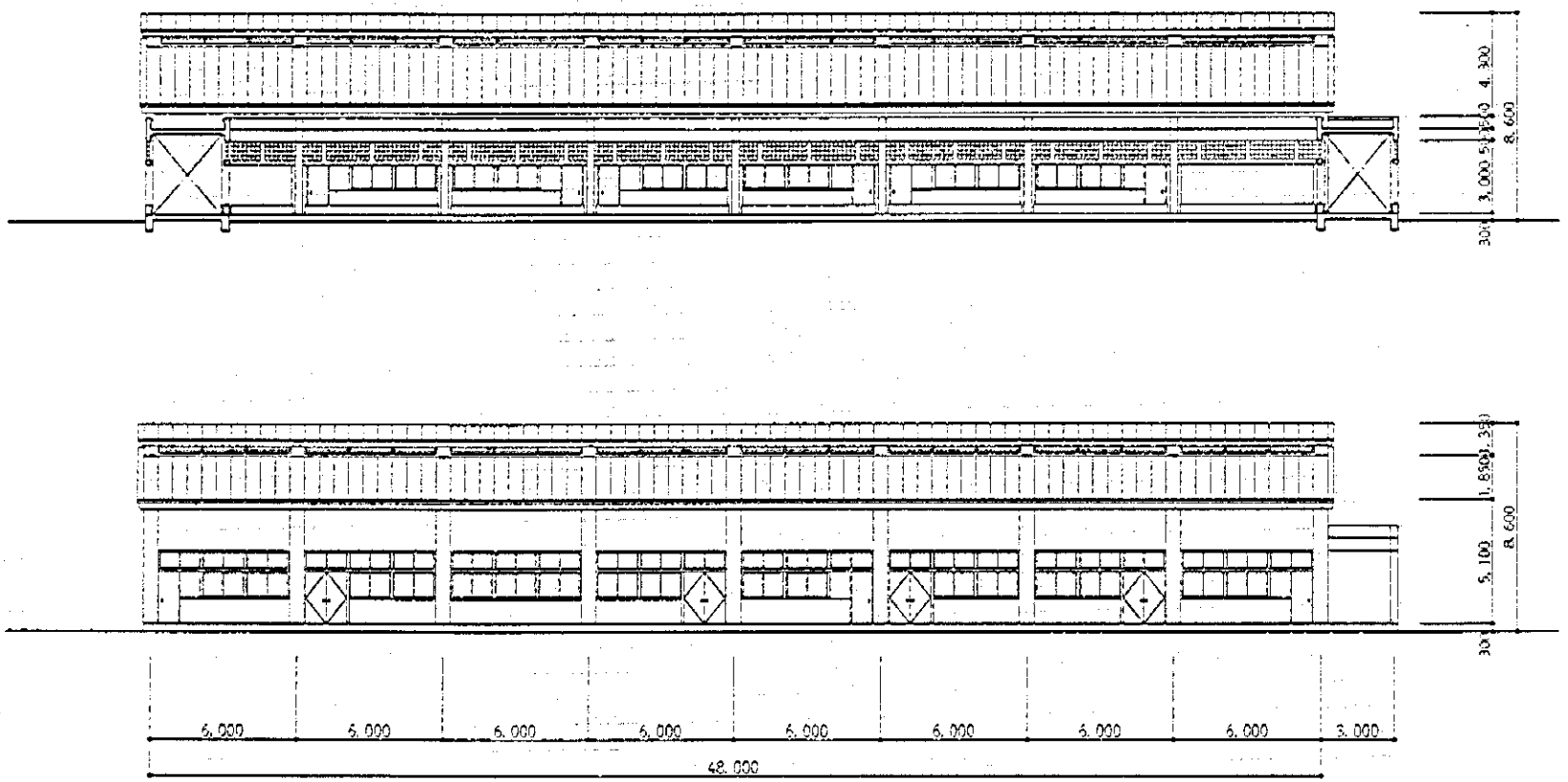
MULTI-PURPOSE BUILDING

The layout of Furniture and Equipment is reference only.

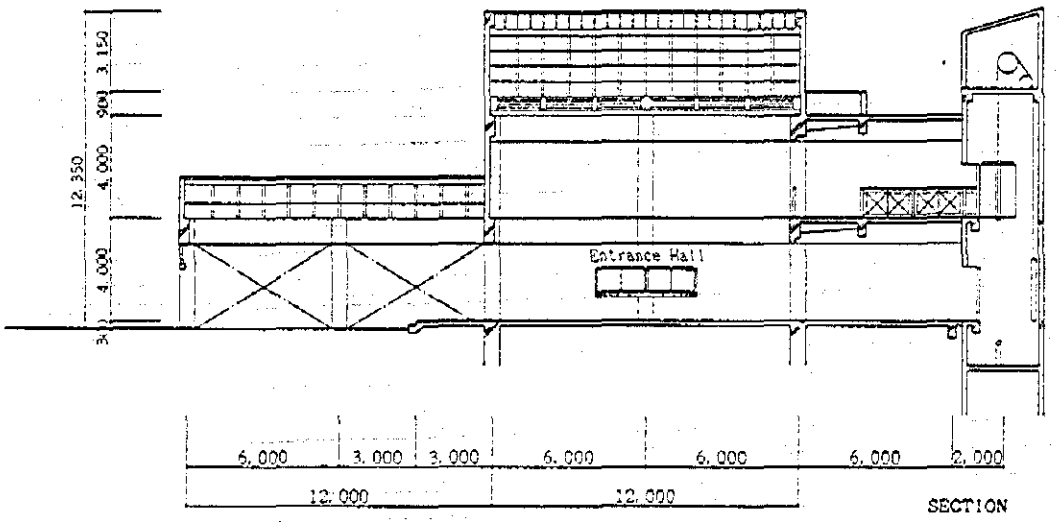
The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: NTS	Date: DEC. 1995	Title: DETAILED PLAN (Multi-Purpose Building)



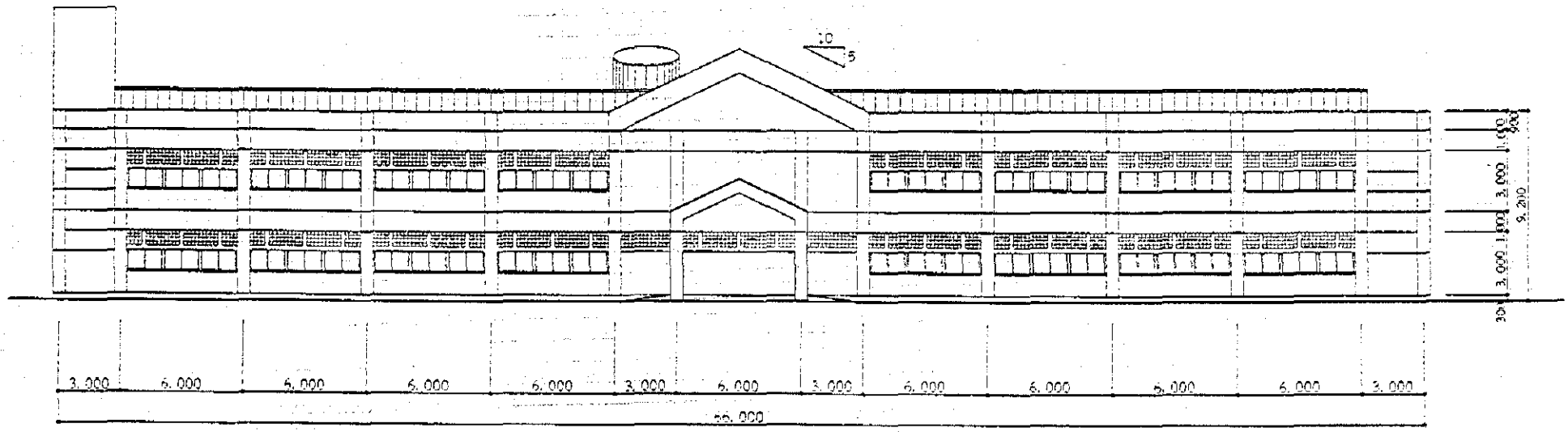
The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: NTS	Date: JAN. 1996	Title: SECTION & ELEVATION (Process of Vocational Training Division)



The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: NTS	Date: DEC. 1995	Title: ELEVATION (Process of Vocational Training Division)

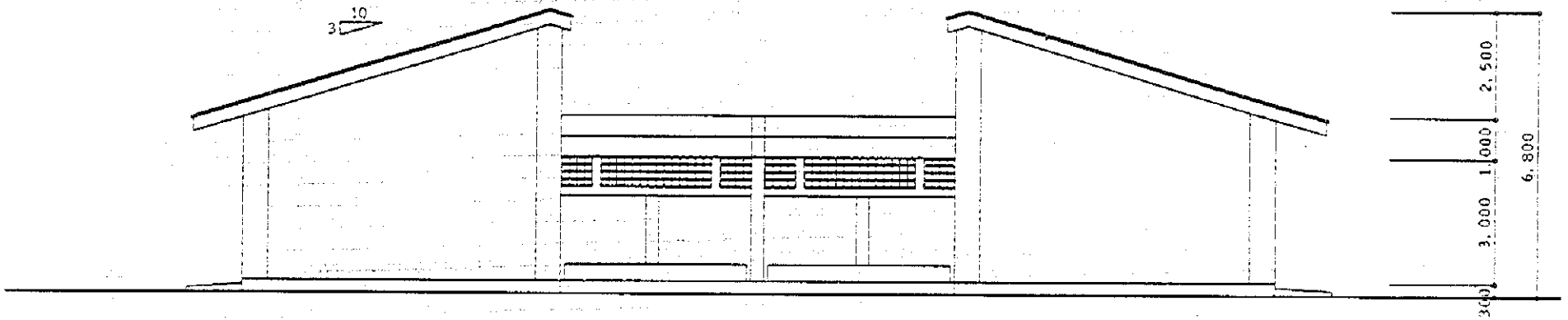


SECTION

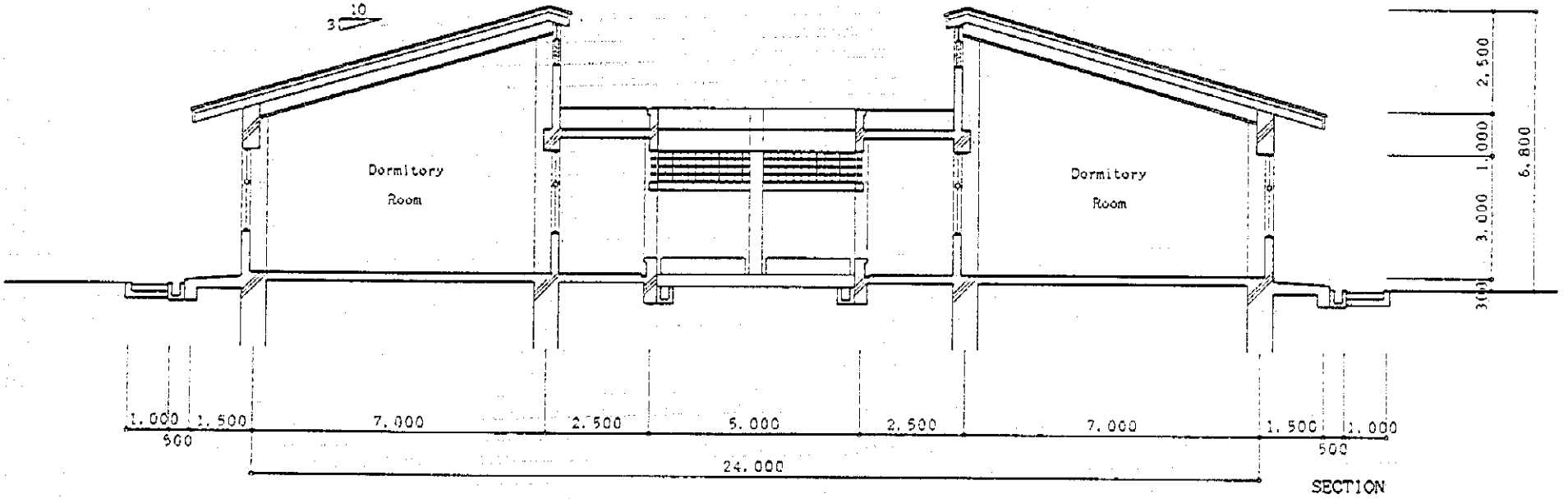


ELEVATION

The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: NTS	Date: DEC. 1995	Title: SECTION & ELEVATION (Administration Building)

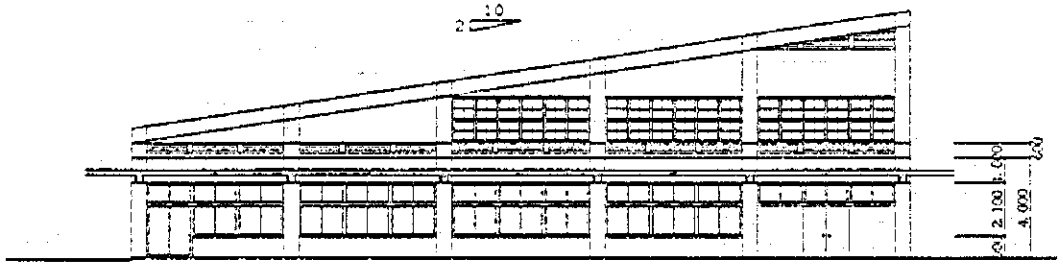


ELEVATION

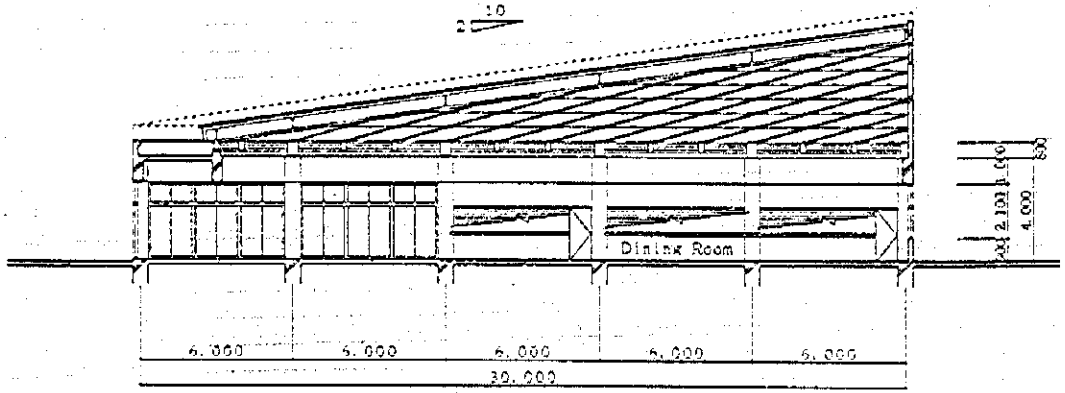


SECTION

The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: NTS	Date: DEC. 1995	Title: SECTION & ELEVATION (Dormitory for Client)



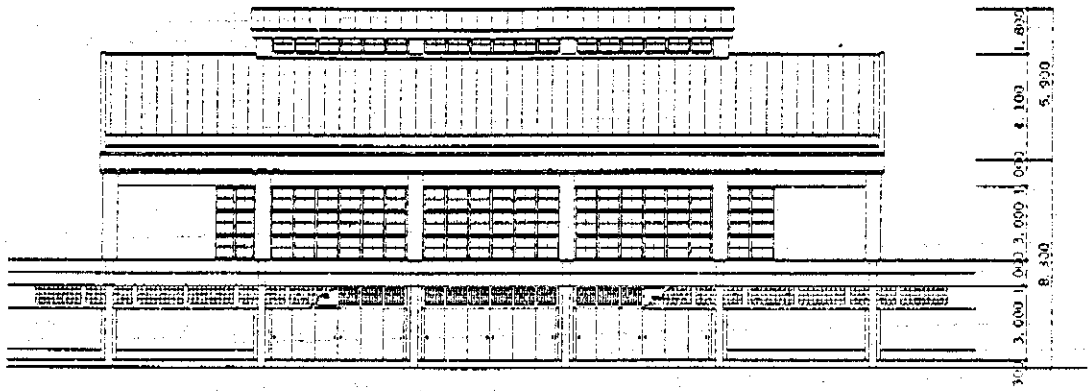
SOUTH ELEVATION



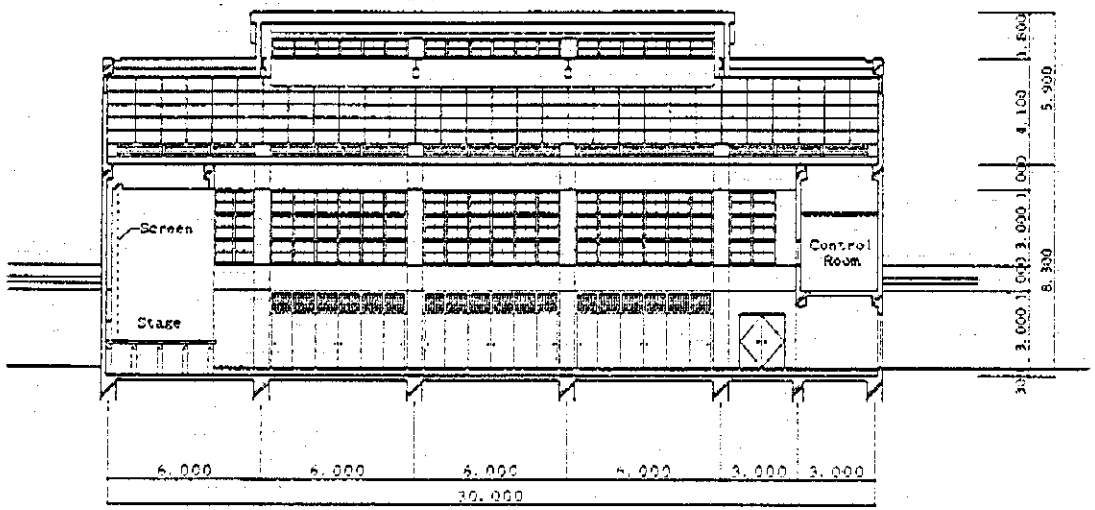
SECTION

A-53

The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: NTS	Date: DEC. 1995	Title: SECTION & ELEVATION (Dining Room & Kitchen)

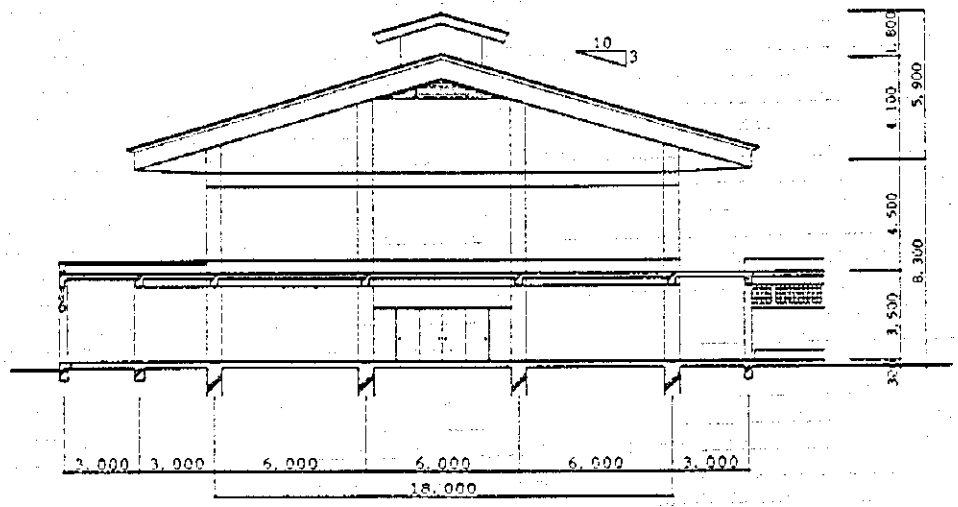


ELEVATION

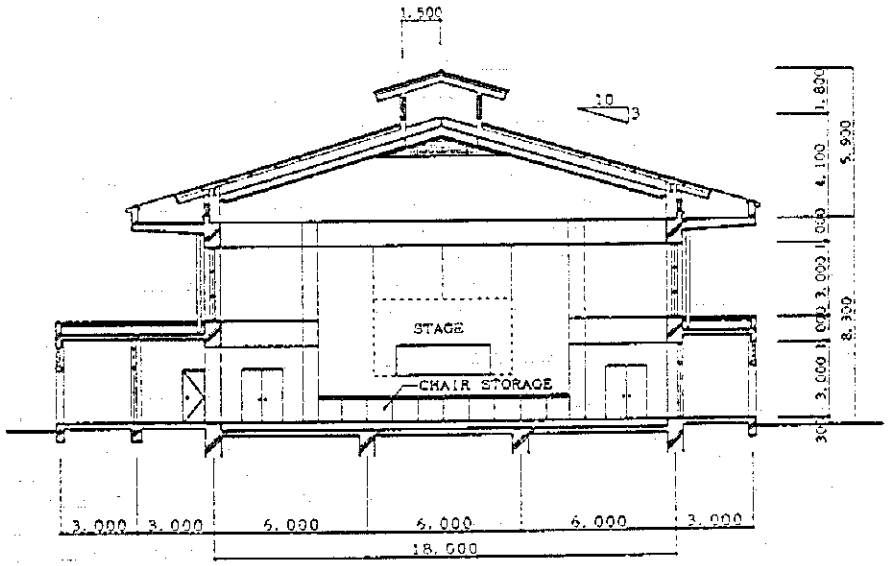


SECTION

The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: NTS	Date: DEC. 1995	Title: SECTION & ELEVATION (Multi-Purpose Building)

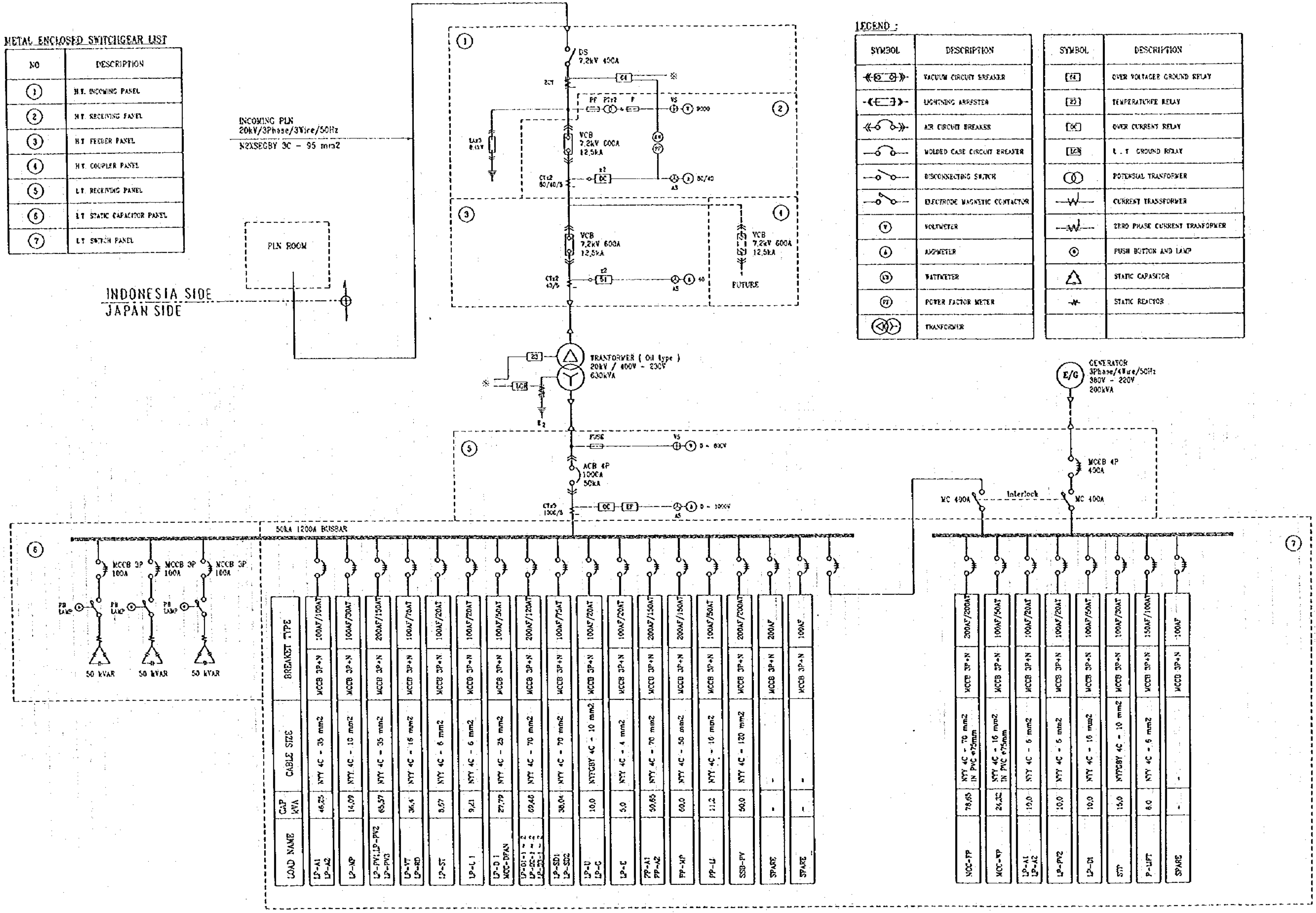


ELEVATION



SECTION

The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale: NTS	Date: DEC. 1995	Title: SECTION & ELEVATION (Multi-Purpose Building)



METAL ENCLOSED SWITCHGEAR LIST

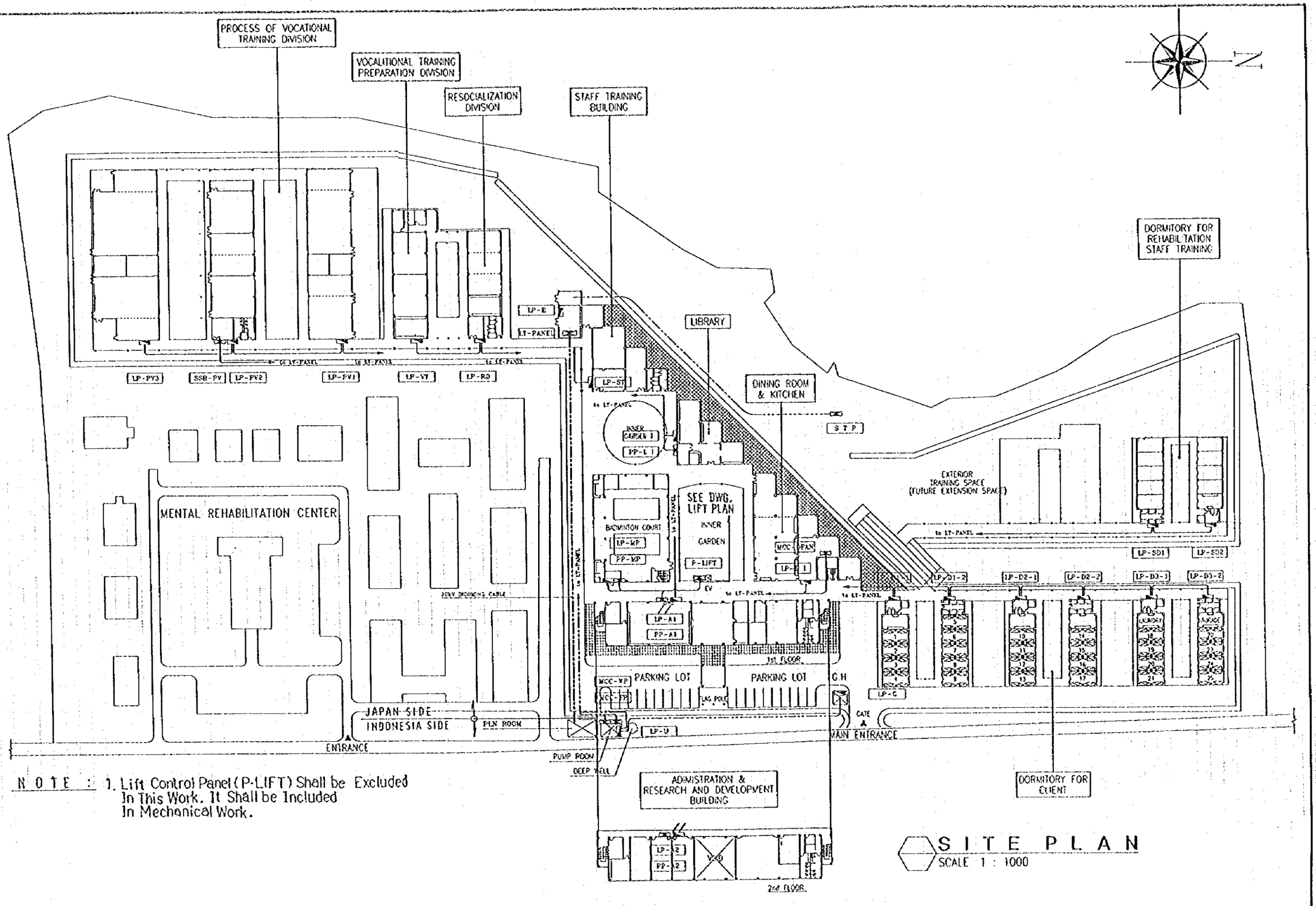
NO	DESCRIPTION
1	H.T. INCOMING PANEL
2	H.T. RECEIVING PANEL
3	H.T. FEEDER PANEL
4	H.T. COUPLER PANEL
5	L.T. RECEIVING PANEL
6	L.T. STATIC CAPACITOR PANEL
7	L.T. SWITCH PANEL

LEGEND :

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	VACUUM CIRCUIT BREAKER	64	OVER VOLTAGEE GROUND RELAY
	LIGHTNING ARRESTER	23	TEMPERATURE RELAY
	AIR CIRCUIT BREAKER	OC	OVER CURRENT RELAY
	MOLDED CASE CIRCUIT BREAKER	LGR	L.T. GROUND RELAY
	DISCONNECTING SWITCH		POTENSIAL TRANFORMER
	ELECTRODE MAGNETIC CONTACTOR		CURRENT TRANSFORMER
V	VOLTMETER		ZERO PHASE CURRENT TRANFORMER
A	AMPMETER		PUSH BUTTON AND LAMP
kW	WATTMETER		STATIC CAPASITOR
PF	POWER FACTOR METER		STATIC REACTOR
	TRANFORMER		

BREAKET TYPE		CABLE SIZE	CAP kVA	LOAD NAME
100AF/100AT	MCCB 3P+N	NYY 4C - 35 mm2	46.25	LP-A1 LP-A2
100AF/30AT	MCCB 3P+N	NYY 4C - 10 mm2	14.09	LP-NP
200AF/150AT	MCCB 3P+N	NYY 4C - 35 mm2	65.57	LP-PV1,LP-PV2 LP-PV3
100AF/75AT	MCCB 3P+N	NYY 4C - 16 mm2	36.4	LP-VT LP-RD
100AF/20AT	MCCB 3P+N	NYY 4C - 6 mm2	8.57	LP-ST
100AF/20AT	MCCB 3P+N	NYY 4C - 6 mm2	9.21	LP-L1
100AF/50AT	MCCB 3P+N	NYY 4C - 25 mm2	27.79	LP-D1 MCC-DFAN
200AF/120AT	MCCB 3P+N	NYY 4C - 70 mm2	69.40	LP-D1-1 … [illegible]
100AF/75AT	MCCB 3P+N	NYY 4C - 70 mm2	38.04	LP-SD1 LP-SD2
100AF/20AT	MCCB 3P+N	NYYGBY 4C - 10 mm2	10.0	LP-U LP-C
100AF/20AT	MCCB 3P+N	NYY 4C - 4 mm2	5.0	LP-E
200AF/150AT	MCCB 3P+N	NYY 4C - 70 mm2	30.65	PP-A1 PP-A2
200AF/150AT	MCCB 3P+N	NYY 4C - 50 mm2	60.0	PP-NP
100AF/50AT	MCCB 3P+N	NYY 4C - 16 mm2	11.2	PP-LI
200AF/200AT	MCCB 3P+N	NYY 4C - 120 mm2	50.0	SSB-PV
200AF	MCCB 3P+N	-	-	SPARE
100AF	MCCB 3P+N	-	-	SPARE
200AF/200AT	MCCB 3P+N	NYY 4C - 70 mm2 IN PVC ø75mm	78.65	MCC-FP
100AF/50AT	MCCB 3P+N	NYY 4C - 16 mm2 IN PVC ø75mm	24.32	MCC-WP
100AF/20AT	MCCB 3P+N	NYY 4C - 6 mm2	10.0	LP-A1 LP-A2
100AF/20AT	MCCB 3P+N	NYY 4C - 6 mm2	10.0	LP-PV2
100AF/50AT	MCCB 3P+N	NYY 4C - 16 mm2	10.0	LP-D1
100AF/30AT	MCCB 3P+N	NYYGBY 4C - 10 mm2	15.0	STP
150AF/100AT	MCCB 3P+N	NYY 4C - 6 mm2	8.0	P-LIFT
100AF	MCCB 3P+N	-	-	SPARE

The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale : N T S	Date : –	Title : MAIN SINGLE LINE DIAGRAM	Dwg No : E-001

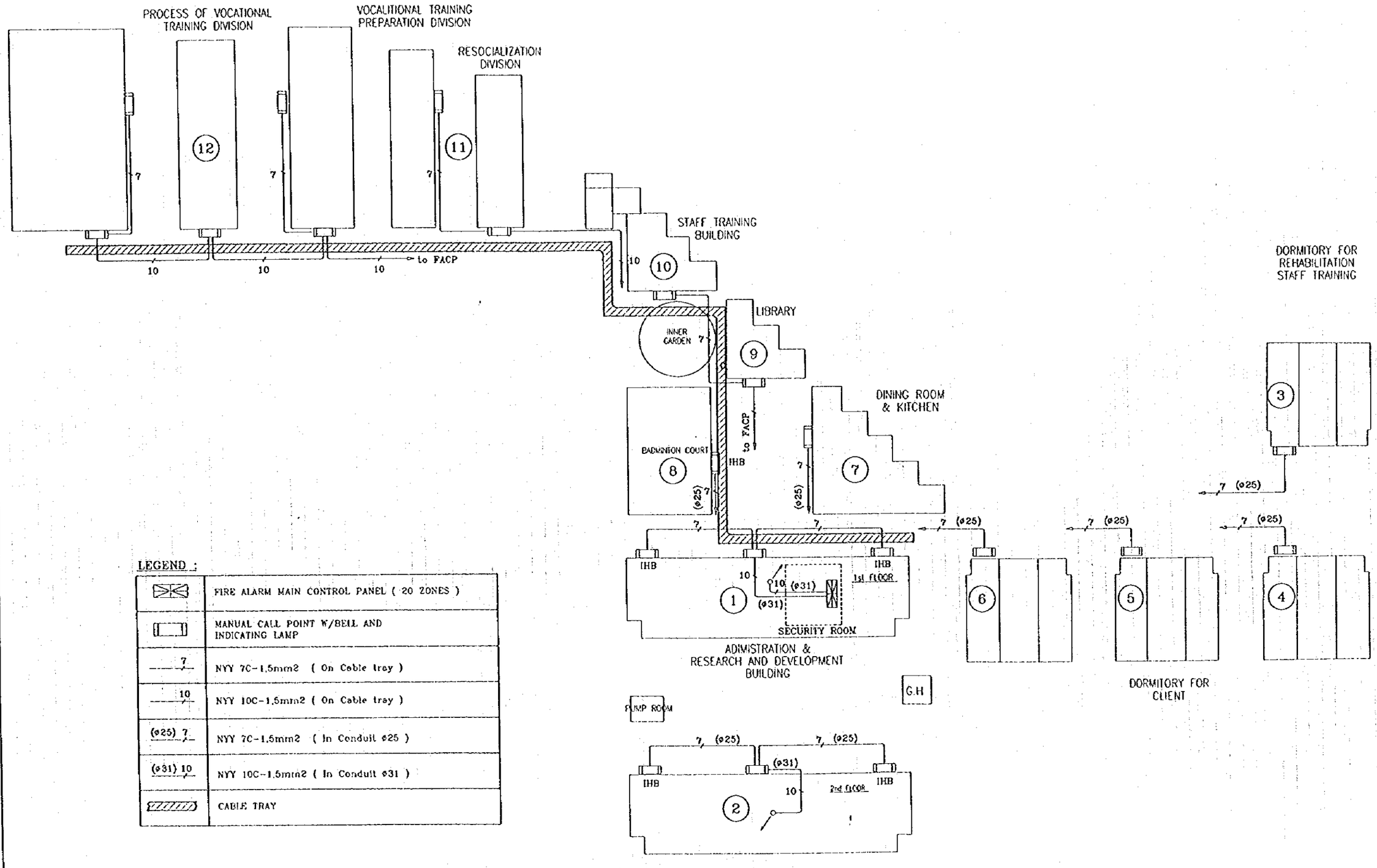


N O T E : 1. Lift Control Panel (P-LIFT) Shall be Excluded In This Work. It Shall be Included In Mechanical Work.

S I T E P L A N

SCALE 1 : 1000

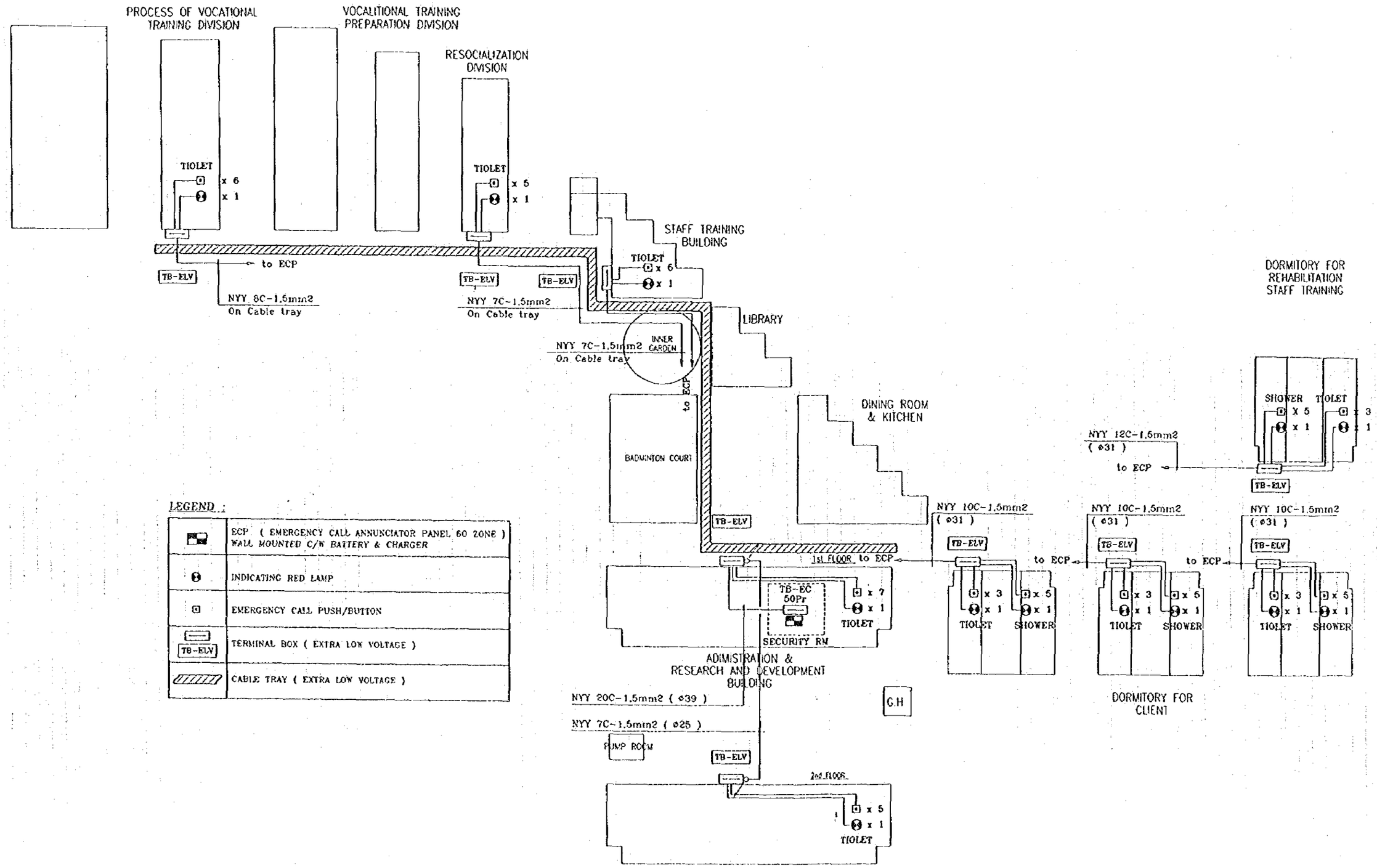
The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale : 1 : 1000	Date : --	Title : FEEDER SYSTEM	Drg No : E-004



LEGEND :

	FIRE ALARM MAIN CONTROL PANEL (20 ZONES)
	MANUAL CALL POINT W/BELL AND INDICATING LAMP
7	NYY 7C-1.5mm2 (On Cable tray)
10	NYY 10C-1.5mm2 (On Cable tray)
(ø25) 7	NYY 7C-1.5mm2 (In Conduit ø25)
(ø31) 10	NYY 10C-1.5mm2 (In Conduit ø31)
	CABLE TRAY

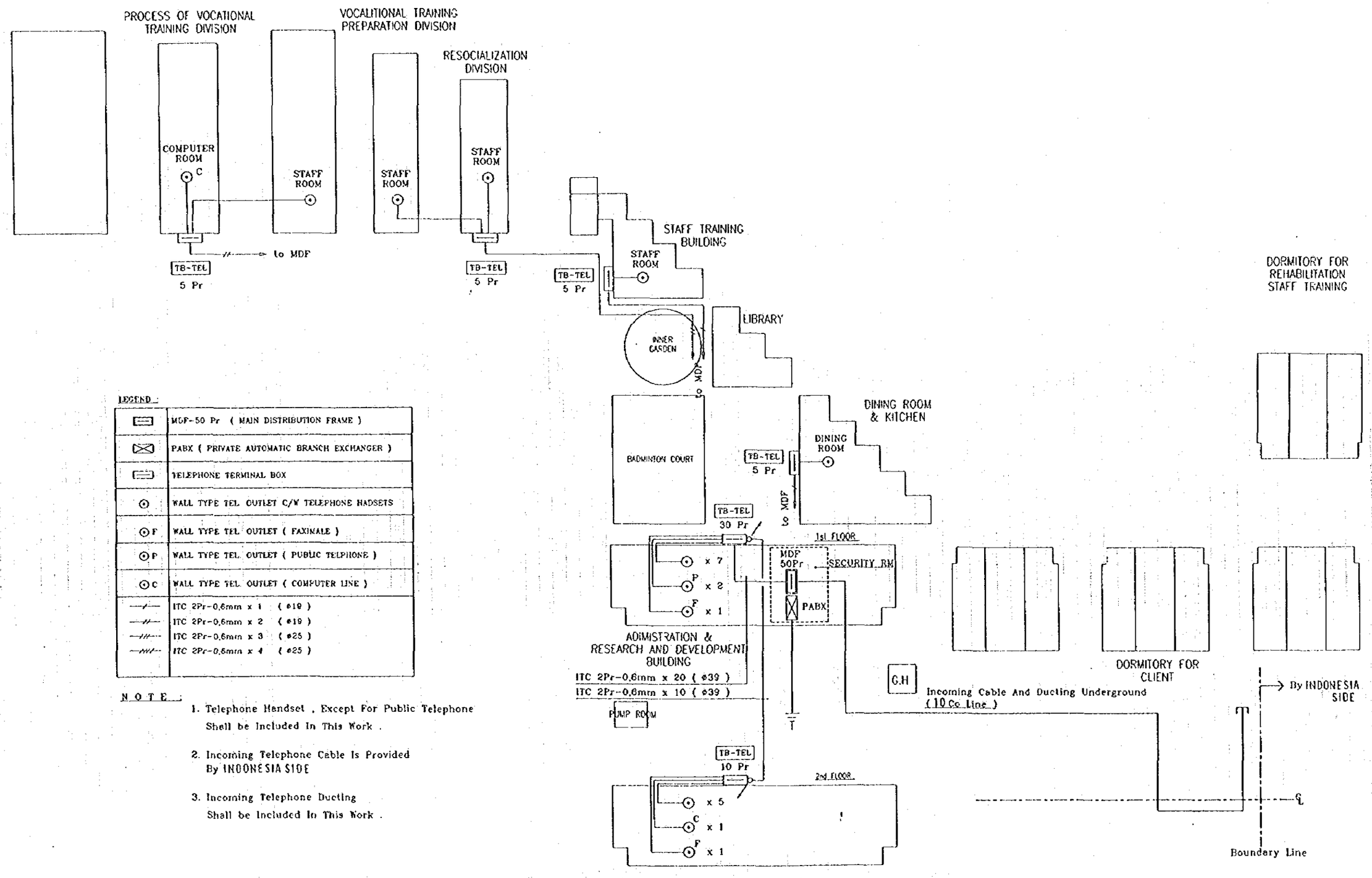
The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale : N T S	Date : -	Title : DIAGRAM OF FIRE ALARM SYSTEM	Dwg No : E-005



LEGEND :

	ECP (EMERGENCY CALL ANNUNCIATOR PANEL 60 ZONE) WALL MOUNTED C/W BATTERY & CHARGER
	INDICATING RED LAMP
	EMERGENCY CALL PUSH/BUTTON
TB-ELV	TERMINAL BOX (EXTRA LOW VOLTAGE)
	CABLE TRAY (EXTRA LOW VOLTAGE)

The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale : N T S	Date : -	Title : DIAGRAM OF EMERGENCY SYSTEM	Dwg No : E-006



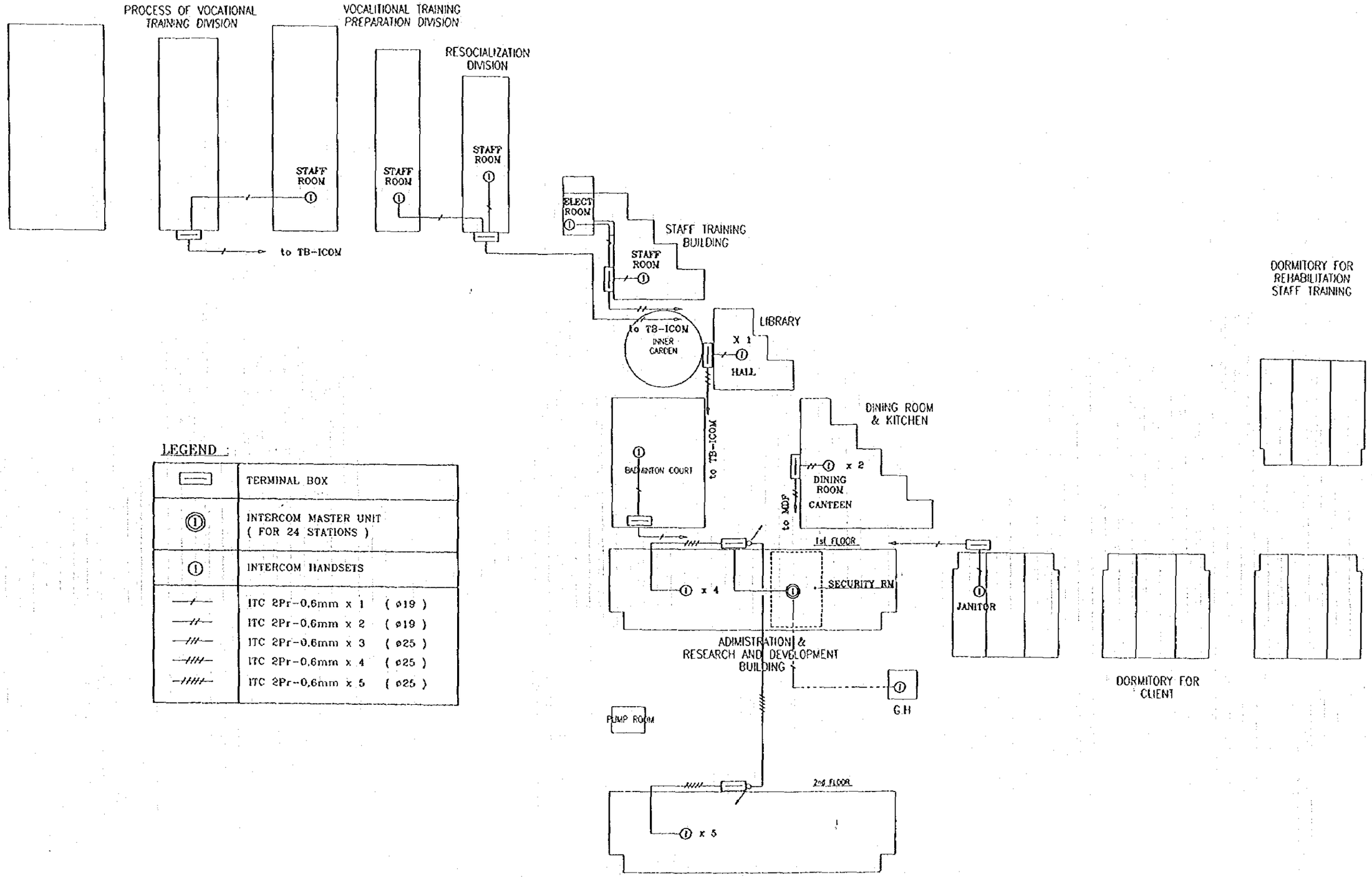
LEGEND :

	MDF-50 Pr (MAIN DISTRIBUTION FRAME)
	PABX (PRIVATE AUTOMATIC BRANCH EXCHANGER)
	TELEPHONE TERMINAL BOX
⊙	WALL TYPE TEL OUTLET C/W TELEPHONE HADSETS
⊙F	WALL TYPE TEL OUTLET (FAXINALE)
⊙P	WALL TYPE TEL OUTLET (PUBLIC TELPHONE)
⊙C	WALL TYPE TEL OUTLET (COMPUTER LINE)
—/—	ITC 2Pr-0,6mm x 1 (ø19)
—//—	ITC 2Pr-0,6mm x 2 (ø19)
—///—	ITC 2Pr-0,6mm x 3 (ø25)
—////—	ITC 2Pr-0,6mm x 4 (ø25)

N O T E :

1. Telephone Handset , Except For Public Telephone Shall be Included In This Work .
2. Incoming Telephone Cable Is Provided By INDONESIA SIDE
3. Incoming Telephone Ducting Shall be Included In This Work .

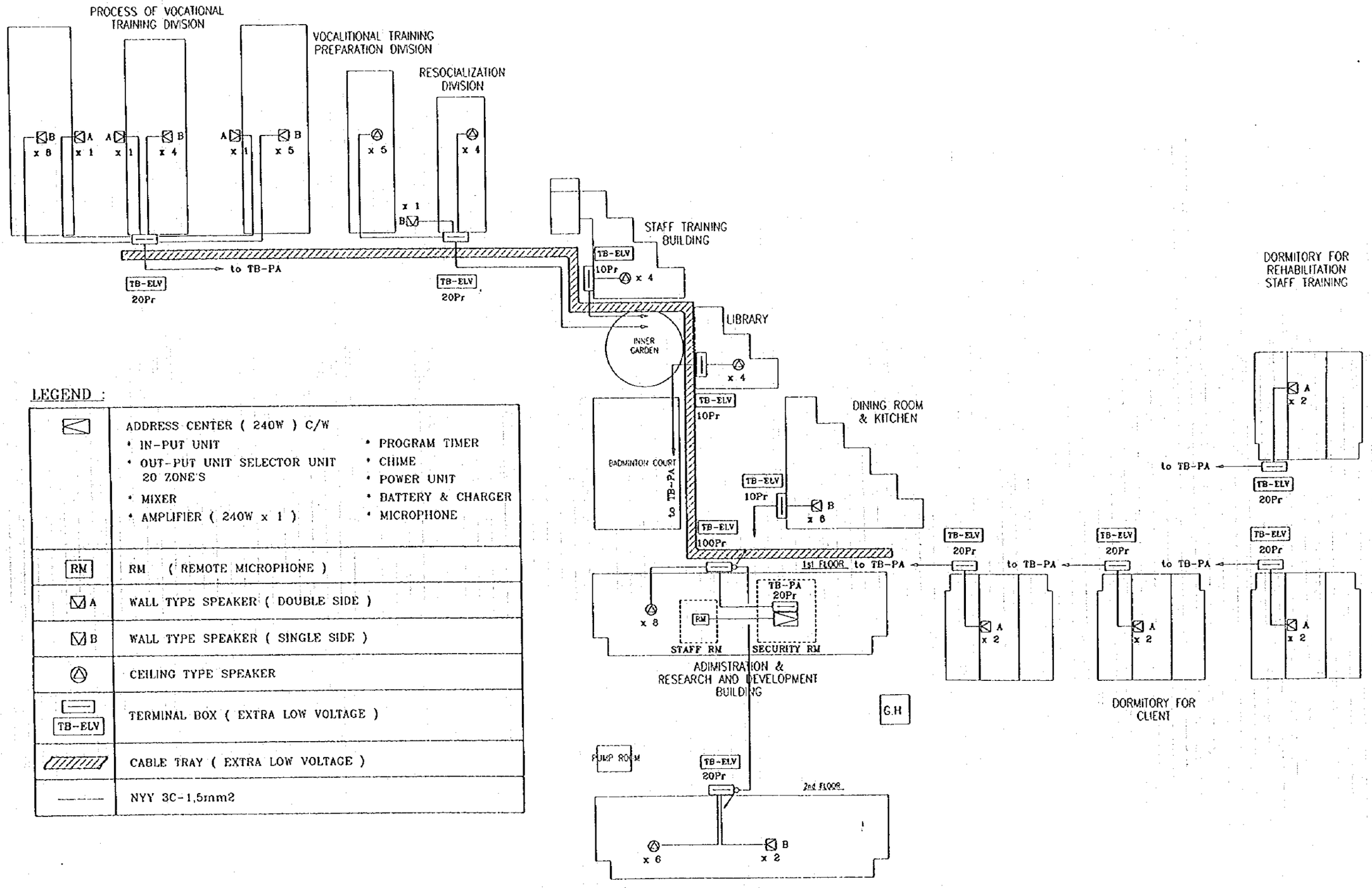
The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale : N T S	Date : -	Title : DIAGRAM OF TELEPHONE SYSTEM	Dwg No : E-007



LEGEND :

	TERMINAL BOX
①	INTERCOM MASTER UNIT (FOR 24 STATIONS)
①	INTERCOM HANDSETS
—/—	ITC 2Pr-0.6mm x 1 (ø19)
—//—	ITC 2Pr-0.6mm x 2 (ø19)
—///—	ITC 2Pr-0.6mm x 3 (ø25)
—////—	ITC 2Pr-0.6mm x 4 (ø25)
—/////—	ITC 2Pr-0.6mm x 5 (ø25)

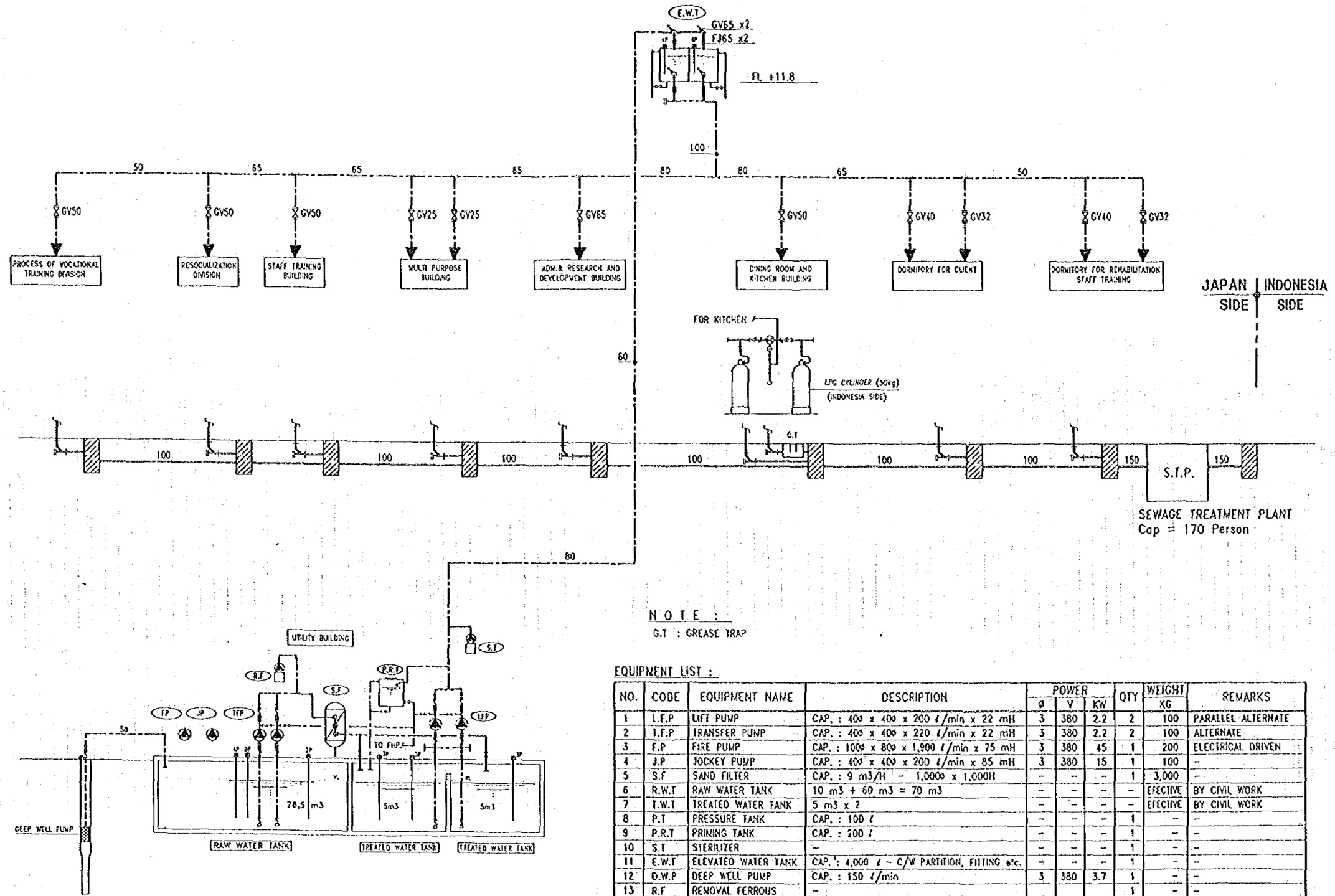
The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale : N T S	Date : -	Title : DIAGRAM OF INTERCOM SYSTEM	Dwg No : E-008



LEGEND :

	ADDRESS CENTER (240W) C/W • IN-PUT UNIT • OUT-PUT UNIT SELECTOR UNIT 20 ZONE'S • MIXER • AMPLIFIER (240W x 1) • PROGRAM TIMER • CHIME • POWER UNIT • BATTERY & CHARGER • MICROPHONE
RM	RM (REMOTE MICROPHONE)
A	WALL TYPE SPEAKER (DOUBLE SIDE)
B	WALL TYPE SPEAKER (SINGLE SIDE)
	CEILING TYPE SPEAKER
TB-ELV	TERMINAL BOX (EXTRA LOW VOLTAGE)
	CABLE TRAY (EXTRA LOW VOLTAGE)
———	NYY 3C-1,5mm2

The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale : N T S	Date : -	Title : DIAGRAM OF SOUND SYSTEM	Dwg No : E-009



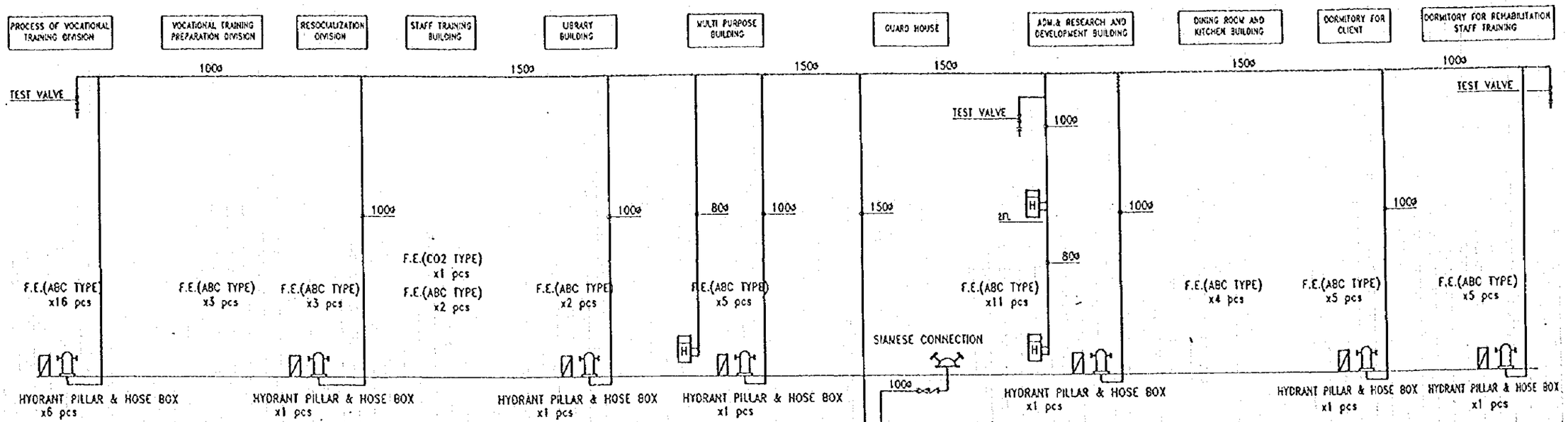
NOTE :

G.T : GREASE TRAP

EQUIPMENT LIST :

NO.	CODE	EQUIPMENT NAME	DESCRIPTION	POWER			QTY	WEIGHT	REMARKS
				ø	V	KW		KG	
1	L.F.P	LIFT PUMP	CAP. : 400 x 400 x 200 ℓ/min x 22 mH	3	380	2.2	2	100	PARALLEL ALTERNATE
2	T.F.P	TRANSFER PUMP	CAP. : 400 x 400 x 220 ℓ/min x 22 mH	3	380	2.2	2	100	ALTERNATE
3	F.P	FIRE PUMP	CAP. : 1000 x 800 x 1,900 ℓ/min x 75 mH	3	380	45	1	200	ELECTRICAL DRIVEN
4	J.P	JOCKEY PUMP	CAP. : 400 x 400 x 200 ℓ/min x 85 mH	3	380	15	1	100	-
5	S.F	SAND FILTER	CAP. : 9 m3/H - 1,000ø x 1,000H	-	-	-	1	3,000	-
6	R.W.T	RAW WATER TANK	10 m3 + 60 m3 = 70 m3	-	-	-	-	EFECTIVE	BY CIVIL WORK
7	T.W.T	TREATED WATER TANK	5 m3 x 2	-	-	-	-	EFECTIVE	BY CIVIL WORK
8	P.T	PRESSURE TANK	CAP. : 100 ℓ	-	-	-	1	-	-
9	P.R.T	PRINING TANK	CAP. : 200 ℓ	-	-	-	1	-	-
10	S.T	STERILIZER	-	-	-	-	1	-	-
11	E.W.T	ELEVATED WATER TANK	CAP. : 4,000 ℓ - C/W PARTITION, FITTING etc.	-	-	-	1	-	-
12	D.W.P	DEEP WELL PUMP	CAP. : 150 ℓ/min	3	380	3.7	1	-	-
13	R.F	REMOVAL FERROUS	-				1	-	-

The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale : N T S	Date : -	Title : WATER SUPPLY & DRAINAGE SYSTEM	Dwg.No. MP-01



EQUIPMENT LIST :

NO.	CODE	EQUIPMENT NAME	DESCRIPTION	POWER			QTY	WEIGHT	REMARKS
				ø	V	KW		KG	
1	L.F.P	LIFT PUMP	CAP. : 400 x 400 x 200 ℓ/min x 22 mH	3	380	2.2	2	100	PARALLEL ALTERNATE
2	T.F.P	TRANSFER PUMP	CAP. : 400 x 400 x 220 ℓ/min x 22 mH	3	380	2.2	2	100	ALTERNATE
3	F.P	FIRE PUMP	CAP. : 1000 x 800 x 1,900 ℓ/min x 75 mH	3	380	45	1	200	ELECTRICAL DRIVEN
4	J.P	JOCKEY PUMP	CAP. : 400 x 400 x 200 ℓ/min x 85 mH	3	380	15	1	100	-
5	S.F	SAND FILTER	CAP. : 9 m3/H - 1,000ø x 1,000H	-	-	-	1	3,000	-
6	R.W.T	RAW WATER TANK	10 m3 + 60 m3 = 70 m3	-	-	-	-	EFECTIVE	BY CIVIL WORK
7	T.W.T	TREATED WATER TANK	5 m3 x 2	-	-	-	-	EFECTIVE	BY CIVIL WORK
8	P.T	PRESSURE TANK	CAP. : 100 ℓ	-	-	-	1	-	-
9	P.R.T	PRIMING TANK	CAP. : 200 ℓ	-	-	-	1	-	-
10	S.T	STERILIZER	-	-	-	-	1	-	-
11	E.W.T	ELEVATED WATER TANK	CAP. : 4,000 ℓ - C/W PARTITION, FITTING etc.	-	-	-	1	-	-
12	D.W.P	DEEP WELL PUMP	CAP. : 150 ℓ/min	3	380	3.7	1	-	-
13	R.F	REMOVAL FERROUS	-				1	-	-

The Project for Construction of National Vocational Rehabilitation Centre for Disabled People	PACIFIC CONSULTANTS INTERNATIONAL	Scale : N T S	Date : -	Title : FIRE PROTECTION SYSTEM / Dwg.No. MF-01

Srt.

REFERENCE TIME SCHEDULE.

1. We are talking about the time schedule, given by Indonesia Consultant.

2. Time schedule on # 1 is not match (take longer inplementation with time schedule we already agreed.

3. Those problems should be solved and the solving as follows :

   a. The process for proposing to Bappenas will be done during Juli - September 1995.

   b. The Implementation of Retaining wall will be done from Oktober 1995 - March 1996.

   c. Preparation for construction April - Juli 1996.

   d. Construction - N.V.T.C. Juli 1996 - Desember 1997. (Just assumption).

THE METHOD TO BE USED FOR RETAINING WALL.

1. We have two methods.

   a. Variation I - set back September

   b. Variation II - re inforcement.

2. Depsos more interested in variation I.

3. It might be a constrain of budget, so we calculate how much the budget for both methods, and from the calculation we get

   for variation I = Rp.

   for variation II = Rp.

4. At the and of September 1995, it should be a dicision on which at the variation we well be choosen.

5. For this care we need a quarantee letter from the Indonesia consultant and send to JICA Tokyo as soon as possible.

MOVING OF THE HOUSES UNDER THE RETAINING WALL.

1. A good alternative is to move the houses to other place, but it will face the problem of political - social disadvantage from the local people.

2. But Indonesia side we will try to negotiate with the local people through a good mativation process to them.

3 But it should bee another alternative, if they don't want to move.
Anyhow the retaining of the wall will solve the problem of the fear of the danger of the wall to the houses.

4. One more the programme for moving the houses wil be continued seriously.

CONFIRMATION OF THE SITE BORDER.

* In the Indonesian procedure, the formal site border will be decided by "BPN" (National Land Administration Office), and they (supported by the owner) will put "bordery markers", which is recognized by the neighbour land owner around the site.

F. ESTIMATED OPERATIONAL COST

If the project is already establishes, the operational cost of such Vocational Rehabilitation Centre will be :

98/99 Coming year of

1.	Total cost for the whole personnel salary	Rp 1.062.600.000
2.	*Requisition of material for workshop*	Rp 142.600.000
3.	Requisition for administrative office materials	Rp 55.200.000
4.	Accomodation and daily allowance/meal for the trainnes	Rp 460.000.000
5.	Cost for water supply electricity, operational cars :	Rp 172.500.000
6.	Maintenance cost for building, equipment, transport	Rp 86.250.000
7.	Others	Rp 55.000.000
	Total/year	Rp 2.034.150.000

The budget is estimated increase 7 ~ 15% annual.

Figure Structure of Personnel Position NVTC Cibinong

Director NVTC	1

Administration Division	
1. Head of Division	1
2. Chief of General Administration Sub-division	1
3. Chief of Logistic Supplies Sub-division	1
4. - Staff of General Administration Sub-division	8
5. - Planning Reporting & Evaluation Officer	4
6. - Staff of Logistic	9
7. - Finance Officer	3
	27

Preparation of Vocational Training Division	
1. Head of Division	1
2. Chief of Vocational Evaluation Sub-division	1
3. Chief of Vocational Guidance Sub-division	1
4. - Staff of Vocational Evaluation Sub-division	2
- Dormitory Officer	2
5. Staff of Vocational Guidance	2
	9

Process of Vocational Training Division	
1. Head of Division	1
2. Chief of Work Preparation Sub-division	1
3. Chief of Vocational Training Sub-division	1
4. Staff of Work Preparation Sub-division	5
5. Staff of Vocational Training Sub-division	20
	28

Resocializing Division	
1. Head of Division	1
2. Chief of Placement & After Care Sub-division	1
3. Chief of Monitoring & Social Security Sub-division	1
4. Staff of Placement & After Care Sub-division	5
5. Staff of Monitoring & Social Security Sub-division	3
	11

Staff Training Division	
1. Head of Division	1
2. Chief of Rehabilitation Personnel Training Sub-division	1
3. Chief of Vocational Instructor Training Sub-division	1
4. Staff of Rehabilitation Personnel Training Sub-division	5
5. Staff of Vocational Instructor Training Sub-division	5
	13

Research and Development Division	
1. Head of Division	1
2. Chief of Rehabilitation Personnel Sub-division	1
3. Chief of Rehabilitation Facilities Sub-division	1
4. Chief of Methodology Rehabilitation Sub-division	1
5. Staff of Rehabilitation Personnel Sub-division	1
6. Staff of Rehabilitation Personnel Sub-division	1
7. Staff of Rehabilitation Methodology Sub-division	1
	7

Functional Staffs	
1. Coordinator	1
2. Counselors	1
3. Doctors	1
4. Paramedical Officer	3
5. Social Workers	8
6. Psychologist	1
	15

Total	111

Source: Ministry of Social Affairs

PACIFIC CONSULTANTS INTERNATIONAL
HEAD OFFICE: 7 - 5, Sakido 1-Chome, Tama-shi, Tokyo-206, Japan
Phone: 0423-72-0111 Fax 0423-72-6360 Telex: J26832
JAKARTA (REPRESENTATIVE) OFFICE: Jl. Palal Senayan No. 38, Jakarta 12210
Phone: 021-5484495, 5300187, Fax: 021-5481531

Jakarta, September 04, 1995

Dr. Susilo Supeno
Director General
Ministry of Social Affairs

Subject : Submittal of the Report
National Vocational Training Centre Project, Cibinong.

Dear Sir,

We are hereby pleased to submit the study report on site preparation works for the above mentioned project.

As described on the report, site investigations and review of the construction documents were conducted in a limited time, and the report was preprared based on the results of the above. We would be very happy that our comments and recommendations are to be helpful for your further works of the project site preparation.

We would like to express our appreciations for your kind cooperations and fine arrangements during our site investigations.

Should there be any questions, please let us know.
Your understanding for the above will be highly appreciated.

Sincerely Yours,

PACIFIC CONSULTANTS

Tetsuji HATANO
Project Manager
Basic Design Study Team

cc : Dra. Sri Kastilah, Directorate of Rehabilitation
Dr. Rivai, Administration Division
Dr. Waluyo, Sub Directorate of Development
Dra. Erlywati, Cibinong Rehabilitation Centre
Ir. Hans Hiandyoko, Cipta Manca Sarana
Mr. Seiji Utsumi, JICA
Miss Reiko AKEZUMI,JICA
JICA Jakarta Office

STUDY REPORT
ON
SITE PREPARATION WORKS
FOR
NATIONAL VOCATIONAL TRAINING CENTRE
IN
CIBINONG, INDONESIA

September, 1995

Pacific Consultants International

Contents

STUDY REPORT
ON
SITE PREPARATION WORKS
FOR
NATIONAL VOCATIONAL TRAINING CENTRE
IN
CIBINONG, INDONESIA

1. Record of the Site Investigation

JICA Study Team arrived at Jakarta on August 17 1995. After the courtesy visit and investigations of Solo Rehabilitation Centre from August 18 to 20, the site investigations and the meetings with Indonesian Side were conducted as follows;

Aug. 21 Courtesy visit and site confirmation of JICA Study Team
Mr. Utsumi, Team Leader of the Study Team, and other all members visit the site. After the meeting with Dra. Erlywati, Head of Cibinong Mental Rehabilitation Centre, site confirmation was conducted by Study Team.

Aug. 22 Site Meeting with Indonesian Side regarding site preparation
Detail information regarding site preparations such as calculation sheets for retaining wall itself and reinforcement measures, documents for the construction supervision, etc.. were requested to Indonesian Side for the review by Study Team.

Aug. 23 Site investigations for utilities and external works
Current site conditions of retaining wall, housings along the site boundary line, etc. and utilities such as well water, power, tel, etc. in and out of the project site were investigated.

Aug. 24 Site investigations for utilities and external works
Current site conditions of boundary, etc. and utilities such as well water, power, tel, etc. in and out of the project site were investigated.

Aug. 25 Site investigations for utilities and external works
Current site conditions of grading, drainage, etc. were surveyed. Hearing for PDAM regarding public water supply condition around the cibinong city and utilities in the project area were conducted. Confirmation of the Project Site by the map was made.

Aug. 28 Site Meeting with Indonesian Side and site investigation for utilities and external works
Documents which were requested on Aug. 22 were conveyed by Indonesian Side. Discussion was made regarding the counter measures of the retaining wall and utility system with Indonesian Side. Hearing for PLN, TELEKOM was conducted.

Aug. 31 Commencement of site survey
Joint confirmation of Indonesian Side and Japanese Side (PCI) to start the site survey such as topographic survey, soil investigation, etc. Topographic and boundary survey is scheduled to start on September 02 and equipment for the soil investigations are scheduled to be installed on September 05 by Japanese Side (PCI).

Sep. 01 Meeting with Indonesian Side
Discussion was made at the Ministry of Social Affairs. Dr. Susilo, Director General, and other personnel in charge attended the discussion. Comments and recommendations for the issues of site preparation works were explained to Indonesian Side and counter measures were discussed.

2. Analysis and Problems of Current Situation

The following were pointed out by Japanese Side in the meeting with Indonesian Side.

(1) High retaining wall along the houses

Approximately ten (10) meters high retaining wall is being built along the houses of the village as indicated in the attached sheet (Attachment - 1) and the strength of the high retaining wall seems to be insufficient from the view points of over turning, sliding, strength and construction measures.

(2) Retaining wall and fill work in the project site

Project site is located in the sloped area and the retaining walls are provided in order to create the flat area for the facilities as much as possible by filling as indicated in the attached sheet (Attachment - 2). As the general sense of the construction, drainage layer is to be provided at the back of the retaining wall in order to drain the seepage water in the ground and compaction is to be made in the fill area satisfactorily to have a expected soil bearing capacity. Current retaining wall and fill area seems to be lack of the above.

3. Review of the proposal for improvement of the retaining wall prepared by Indonesian Side

(1) High retaining wall along the houses

Reinforced grid structure as the reinforcement is proposed in front of the current retaining wall as described in the attached sheet (Attachment - 3). The structural calculation for the reinforcement was conveyed in the manner of the computer output and therefore it is assumed that the calculation was made with the loading condition of approximately half soil pressure.

(2) Retaining wall and fill work in the project site

No reply was made to Japanese Side, even though some countermeasures were probably prepared by Indonesian Side.

4. Recommendations and suggestions by Japanese Side (PCI)

(1) High retaining wall along the houses

Based on the site investigation and the analysis of previous soil investigation report, the following are proposed for the counter measures.

(a) Two leveled retaining wall

It is recommended that high retaining wall is to be divided into two levels as indicated in the attached sheet (Attachment - 4, Variation -I) in order to reduce the soil pressure retained by a wall. At the lower retaining wall, additional reinforced concrete retaining wall with earth rod is to be built and stone retaining wall is to be built after removing the soils.

This is recommended as the first priority of the counter measures, but flat area for the facilities will be reduced.

(b) Reinforcement of the retaining wall

Additional reinforced concrete wall is proposed in front of the current retaining wall as indicated in the attached sheet (Attachment - 4, Variation -II). Earth rod by deformed bars and H-shape steel pile are suggested to be installed.

This is the similar measure to the proposal by Indonesian Side of costly, but much safer.

(2) Retaining wall and fill work in the project site

Drainage layer with the discharge pipe is proposed to be built at the back of the retaining wall in order to reduce the water pressure to the retaining wall in the rainy season as indicated in the attached sheet (Attachment - 4, Retaining Wall - B). Cement milk is to be filled between the retaining wall and the drainage layer

5. Scope of the work between Indonesian Side and Japanese Side

Scope of the work between Indonesian Side and Japanese Side is recommended as follows;

(1) Scope of the work by Japanese Side

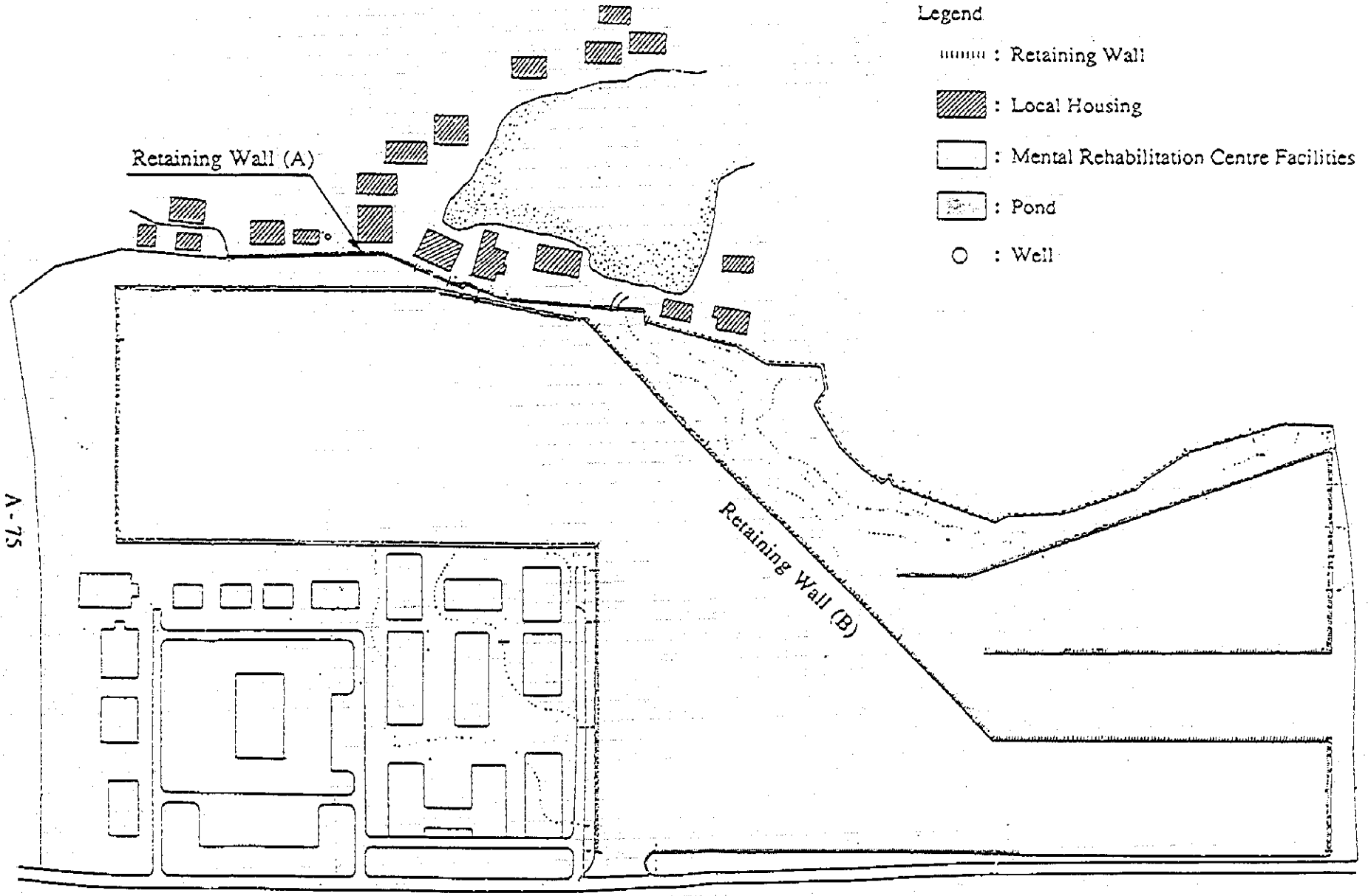
Provision of the drainage layer and related works is proposed to be the scope of the work by Japanese Side as the part of the facility construction.

(2) Scope of the work by Indonesian Side

Provision of the countermeasure of the high retaining wall is to be taken care by Indonesian Side. Even if the proposal of Indonesian Side is nominated, provision of the earth rod is strongly requested to secure the safety of the retaining wall. In Addition to the above, it is requested that filling material of the retaining wall stones is to be replaced to cement mortar along the area where drainage layer is to be provided.

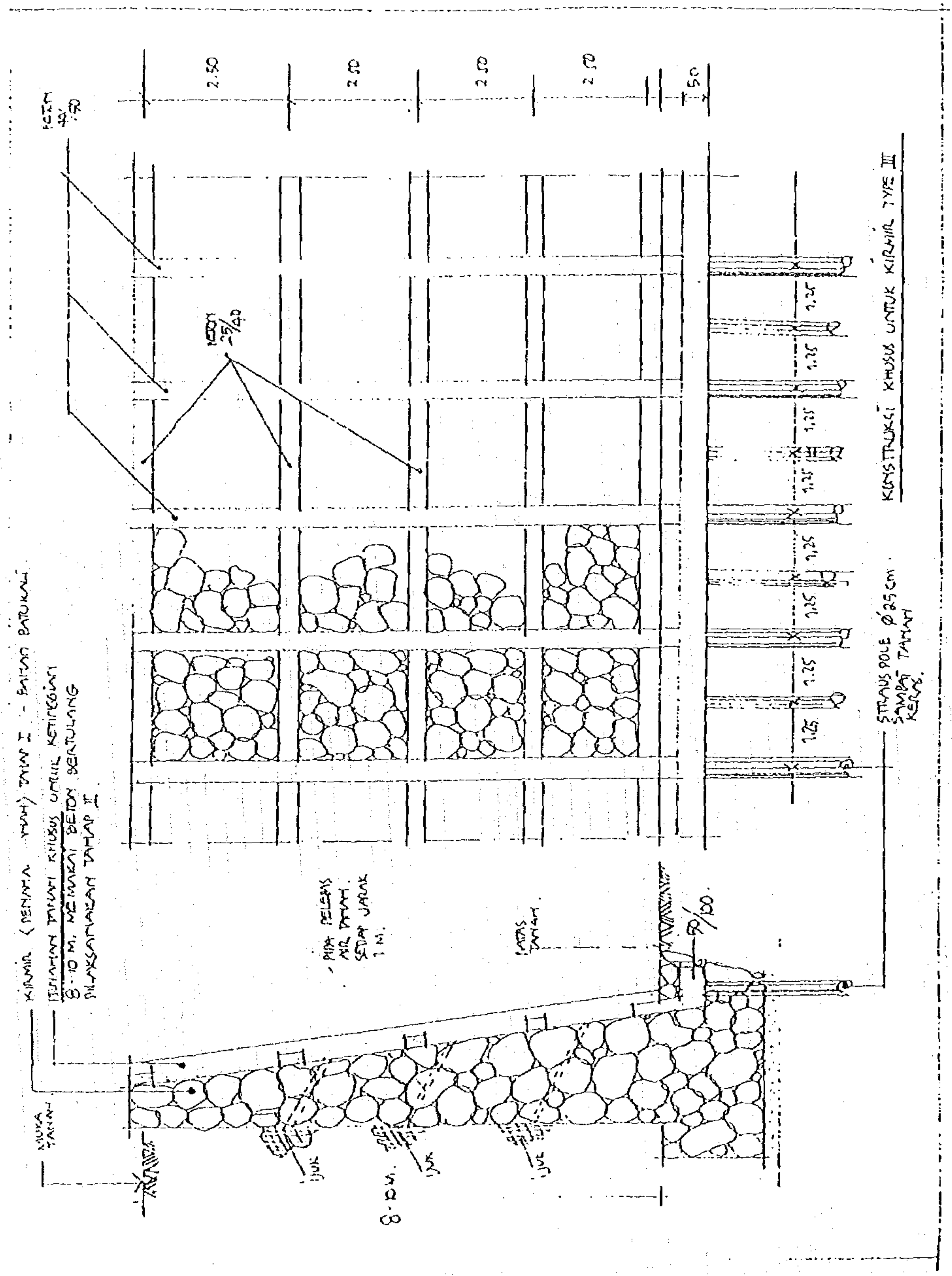
6. Request on further works for site preparation

Site preparation works are being executed at the project site by Indonesian Side and necessary counter measures for the above issues are requested to be carried out.
In order to secure further site preparation works, it is strongly requested that ample attentions shall be paid for the construction activities under the adequate construction supervisions.

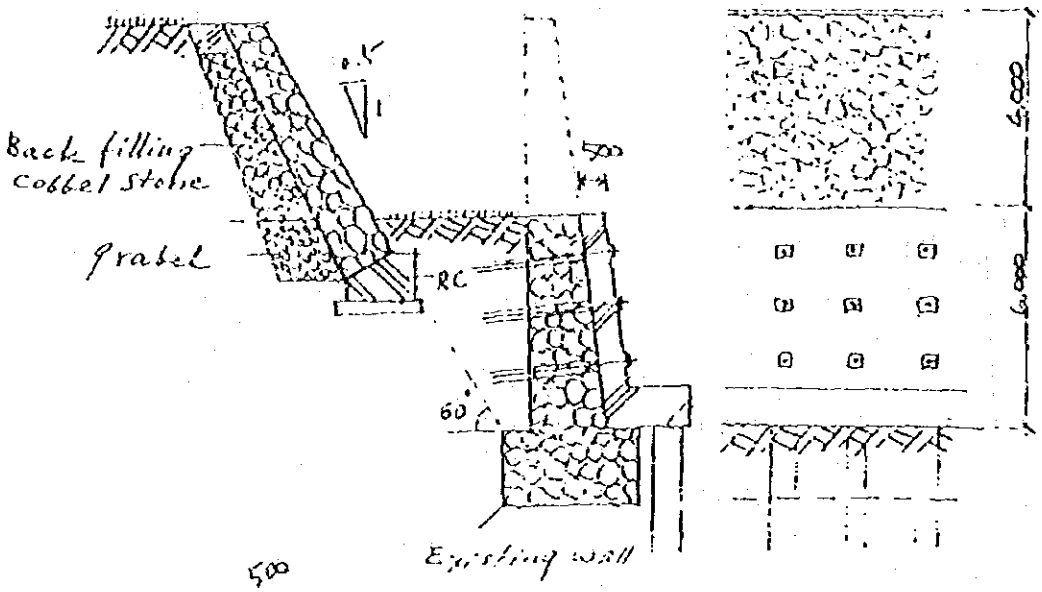


CURRENT SITE PLAN REFERENCE ONLY

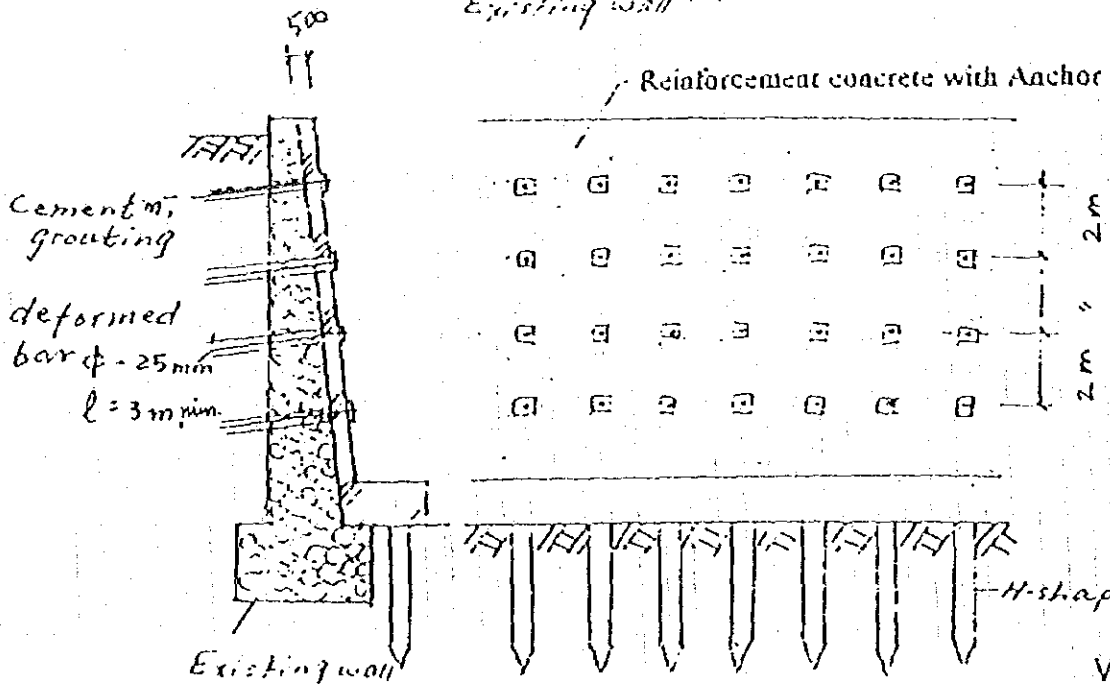
Site Plan and Retaining Wall


2.50
1,25
5.0
KONSTRUKSI KHUSUS UNTUK KIRMIR TYPE III
STRAUS POLE Ø 25 cm SAMPAI TANAH KERAS.
8-10 M, MEMAKAI BETON BERTULANG
PIPA PELEPAS AIR TANAH SETIAP JARAK 1 M.
MUKA TANAH
ATAS TANAH
IJUK
8-10 M.
70/100

Retaining Wall (A)

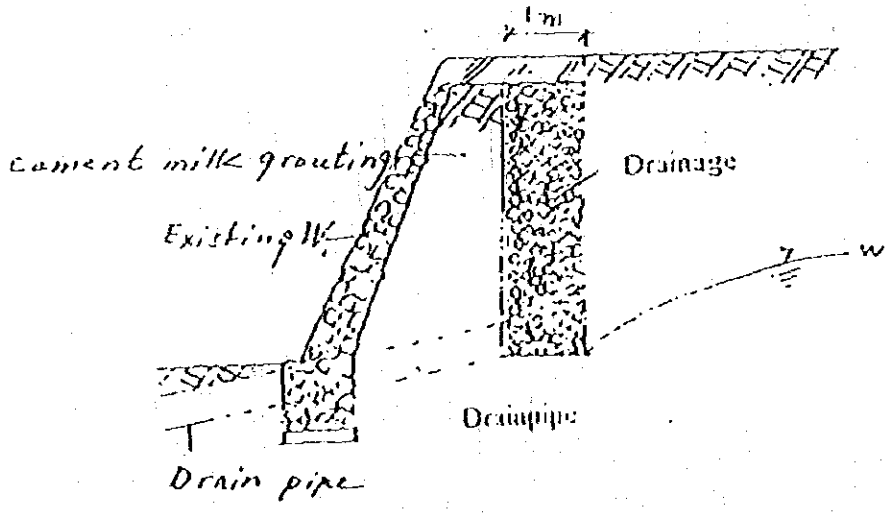


Variation (I)



Variation (II)

Retaining Wall (B)



The Conditions of Rehabilitation in Indonesia

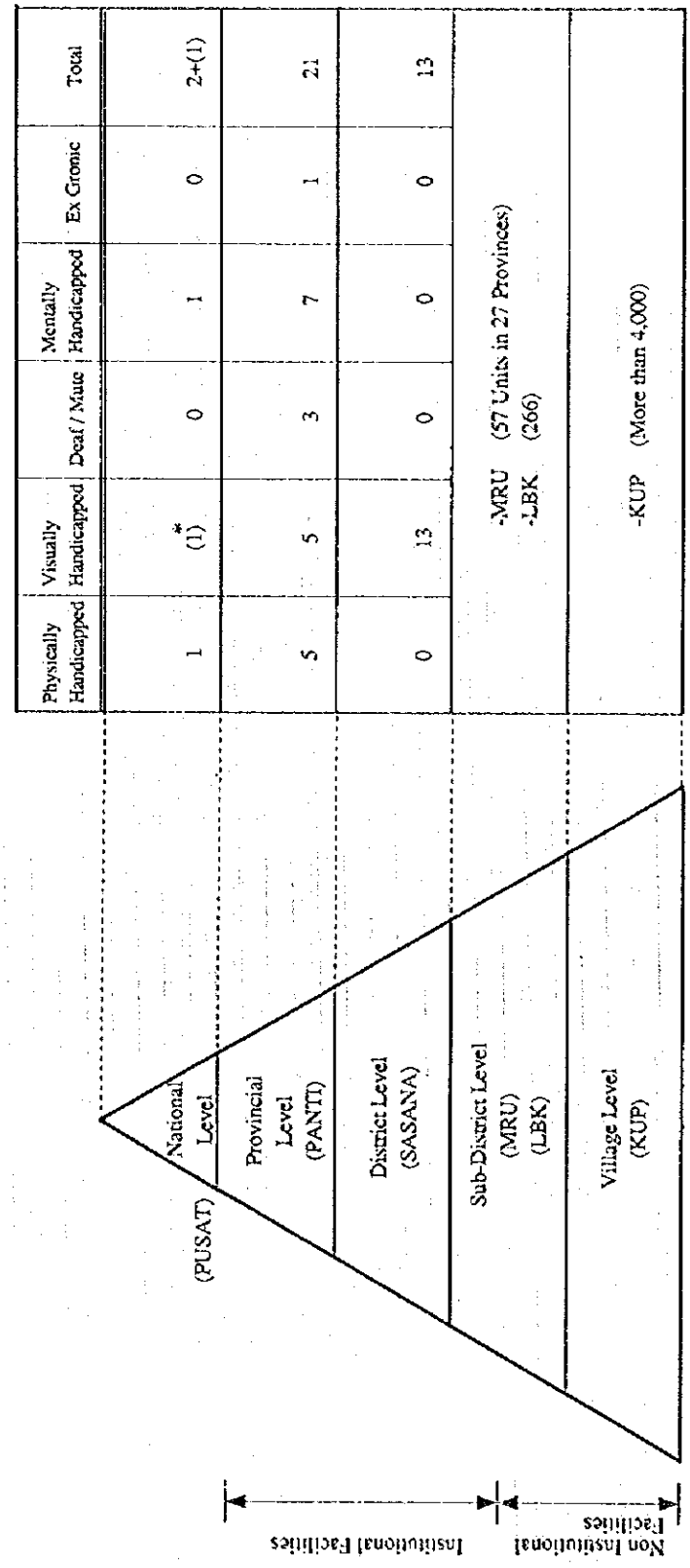
	1990	1991	1992	1993	1994	1995	Projections 1996	1997	1998	1999	2000
1. The number of the disabled persons											
1) The physically handicapped	1,550,008	1,552,508	1,582,008	1,612,064	1,642,685	1,637,940	1,641,843	1,649,660	1,653,576	1,654,487	1,657,487
2) Visually handicapped	1,705,071	1,738,661	1,772,931	1,808,389	1,844,557	2,010,567	2,176,577	2,302,677	2,452,677	2,578,802	2,702,911
3) The hearing impaired	570,500	576,592	587,549	598,174	610,687	622,250	63,443	646,161	658,438	670,948	683,696
4) The mentally handicapped	736,624	751,658	765,929	780,470	798,066	811,987	828,227	844,791	861,686	878,920	896,498
5) The ex-chronically ill handicapped	1,910,000	1,201,320	1,222,490	1,245,717	1,269,383	1,293,501	1,318,077	1,343,121	1,368,640	1,421,142	1,448,143
2. The number of rehabilitation facilities											
1) Institutional System	36	36	37	37	37	38	38	38	38	38	39
2) Non-institutional System	264	264	266	266	268	268	268	271	271	275	275
3. The number of rehabilitation personnel	180	180	185	185	198	198	205	205	215	215	220
4. The number of Occupational Therapist	108	108	108	108	108	141	144	144	152	152	152
5. The number of Prosthetist, Orthotist	20	20	20	28	28	30	30	30	35	35	35

Source: DEPSOS, August 1995

The Population of Indonesian People with Disabilities in 1994

No.	Provinces	Population	Classification of the Disabled					Total of Disabled
			Blind	Physically	Ex Cronic	Mentally	Deaf/Mute	
1	DKI Jakarta	9.549.682	85.947	81.172	62.073	38.199	29.604	296.995
2	West Java	34.580.503	311.225	293.934	224.773	138.322	107.200	1.075.454
3	Central Java	28.579.818	257.218	242.928	185.769	114.319	88.597	888.831
4	D.I. Yogyakarta	3.117.725	28.060	26.501	20.265	12.471	9.665	96.962
5	East Java	33.440.844	300.968	284.247	217.365	133.763	103.667	1.040.010
6	D.I. Aceh	3.378.877	30.410	28.720	21.963	13.516	10.475	105.084
7	North Sumatera	10.605.184	95.447	90.144	68.934	42.421	32.876	329.822
8	West Sumatera	4.009.464	36.085	34.080	26.062	16.038	12.429	124.694
9	Riau	2.990.842	26.918	25.422	19.440	11.963	9.272	93.015
10	Jambi	2.102.486	18.922	17.871	13.666	8.410	6.518	65.387
11	South Sumatera	6.220.677	55.986	52.876	40.434	24.883	19.284	193.463
12	Lampung	7.531.879	67.787	64.021	48.957	30.128	23.349	234.242
13	West Kalimantan	3.193.758	28.744	27.147	20.759	12.775	9.901	99.326
14	Central Kalimantan	1.307.839	11.771	11.117	8.501	5.231	4.054	40.674
15	South Kalimantan	4.498.508	40.487	38.237	29.240	17.994	13.945	139.903
16	East Kalimantan	1.837.830	16.540	15.622	11.946	7.351	5.697	57.156
17	North Sulawesi	2.525.188	22.727	21.464	16.414	10.101	7.828	78.534
18	Central Sulawesi	1.768.111	15.913	15.029	11.493	7.072	5.481	54.988
19	South Sulawesi	7.157.677	64.419	60.840	46.525	28.631	22.189	222.604
20	South-East Sulawesi	1.328.940	11.960	11.296	8.638	5.316	4.120	41.330
21	Maluku	1.831.541	16.484	15.568	11.905	7.326	5.678	56.961
22	Bali	2.838.460	25.546	24.127	18.450	11.354	8.799	88.276
23	West Nusa Tenggara	3.287.540	29.588	27.944	21.369	13.150	10.191	102.242
24	East Nusa Tenggara	3.419.533	30.776	29.066	22.227	13.678	10.601	106.348
25	Irian Jaya	1.599.219	14.393	13.593	10.395	6.397	4.958	49.736
26	Bengkulu	1.156.881	10.412	9.833	7.520	4.628	3.586	35.979
27	East Timor	715.349	6.438	6.080	4.650	2.861	2.218	22.247
Total		184.574.355	1.661.171	1.568.879	1.199.733	738.298	572.182	5.740.263

Source: DEPSOS. August 1995



	Physically Handicapped	Visually Handicapped	Deaf / Mute	Mentally Handicapped	Ex Gronic	Total
	1	(1)*	0	1	0	2+(1)
	5	5	3	7	1	21
	0	13	0	0	0	13
	-MRU (57 Units in 27 Provinces) -LBK (266)					
	-KUP (More than 4,000)					

Note * : Indonesian Braille Printing House

Source : Preliminary Study Report on the RC Solo Project, 1994.6

Figure. The Rehabilitation System and The Number of Facilities