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Government budgetary operations, 1974-1979
(\$000)

	1974	1975	1976	1977	1978	1979 ^{2/}
(I) Current revenues and cash grants	9,396	10,549	12,466	17,707	18,956	22,139
(a) Tax revenues	7,186	8,023	8,699	12,194	13,042	14,990
(b) Non-tax revenues	1,953	2,192	3,521	3,225	5,694	6,869
(c) Cash grants	257	334	246	2,292	220	280
(d) Sale of government shares	-	-	-	69	80	80
(II) Project aid grants	1,970	3,100	4,270	5,900	8,560	12,260
Sub total (I and II)	<u>11,366</u>	<u>13,649</u>	<u>16,736</u>	<u>23,607</u>	<u>27,516</u>	<u>34,399</u>
(III) Current expenditure	<u>6,815</u>	<u>8,776</u>	<u>10,610</u>	<u>13,005</u>	<u>14,040</u>	<u>15,158</u>
(IV) Current operating surpluses (I-III)	2,581	1,773	1,856	4,702	4,916	6,981
(V) Development expenditure	<u>6,158</u>	<u>9,290</u>	<u>11,099</u>	<u>15,625</u>	<u>22,807</u>	<u>26,925</u>
(a) Appropriated	3,250	3,842	4,196	6,522	8,117	8,466
(b) Soft-term loan financed	938	2,348	2,633	3,203	6,130	6,200
(c) Project aid financed	1,970	3,100	4,270	5,900	8,560	12,260
(VI) Development expenditure financed from other sources (V)(e) to (IV)	669	2,069	2,340	1,820	3,201	1,485

1/ Main and Supplementary Estimates.

2/ Budget Estimates.

Source: Monetary Analysis and Policy Division, Treasury Department.

Government current revenues, 1974-1979
(\$000)

	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978^{1/}</u>	<u>1979^{2/}</u>
Tax revenues	<u>7,186</u>	<u>8,023</u>	<u>8,699</u>	<u>12,194</u>	<u>13,042</u>	<u>14,990</u>
Taxes on income	1,586	2,151	1,867	2,674	2,890	3,160
Taxes on trade	5,506	5,845	6,739	9,422	9,650	11,244
Import duties	(5,506)	(5,845)	(6,739)	(9,271)	(9,300)	(10,200)
Export surcharge	(-)	(-)	(-)	(151)	(350)	(324)
Exercise duties	(-)	(-)	(-)	(-)	(-)	(720)
Foreign exchange levy	-	-	-	-	360	440
Other taxes	94	27	93	98	142	146
Non-tax revenues	<u>1,953</u>	<u>2,192</u>	<u>3,521</u>	<u>3,225</u>	<u>5,694</u>	<u>6,869</u>
Fees, service charges etc.	785	833	910	1,227	1,560	1,860
Rents, royalties, interest	290	367	375	407	645	921
Sale of government supplies	221	367	1,068	1,065	1,265	1,402
Operating surplus dept. Ents.	517	531	720	342	1,974	2,476
Sales of government shares	-	-	-	69	80	80
Other revenues	140	94	202	111	170	130
Foreign cash grants	<u>257</u>	<u>334</u>	<u>246</u>	<u>2,292</u>	<u>220</u>	<u>280</u>
Total	<u>9,396</u>	<u>10,549</u>	<u>12,220</u>	<u>17,707</u>	<u>18,956</u>	<u>22,139</u>

1/ Main and Supplementary Budget estimates.

2/ Budget Estimates.

Source: Treasury Department.

Government current expenditure, 1974-1979
(\$'000)

	1974	1975	1976	1977	1978 ^{1/}	1979 ^{2/}
General Services	<u>1,874.9</u>	<u>2,339.2</u>	<u>3,165.8</u>	<u>4,138.4</u>	<u>4,644.8</u>	<u>4,945.9</u>
General administration	1,265.5	1,598.3	2,360.1	3,243.1	3,575.7	3,816.2
Justice, police and prisons	609.4	740.9	805.7	895.3	1,069.1	1,129.7
Social Services	<u>2,934.6</u>	<u>4,032.8</u>	<u>4,541.5</u>	<u>5,368.7</u>	<u>5,700.0</u>	<u>5,968.1</u>
Education	1,521.6	1,977.6	2,372.5	2,737.2	2,869.4	2,966.5
Broadcasting	81.0	115.9	130.2	141.5	171.4	183.4
Economic Services	<u>1,551.8</u>	<u>1,912.8</u>	<u>2,254.9</u>	<u>2,501.5</u>	<u>2,699.9</u>	<u>2,911.1</u>
Agriculture	431.9	613.4	646.0	697.3	768.9	797.1
Land	225.8	256.6	342.4	348.5	451.8	479.0
Transport and communication	239.7	295.0	323.8	400.4	471.4	498.2
Public works	654.4	747.8	942.7	1,055.3	1,007.8	1,145.8
Public debt interest ^{3/}	<u>454.0</u>	<u>490.7</u>	<u>647.4</u>	<u>996.8</u>	<u>994.9</u>	<u>1,332.4</u>
Total	6,815.3	8,775.5	10,609.6	13,005.4	14,039.6	15,157.5

1/ Main and Supplementary Budget Estimates.

2/ Budget Estimates.

3/ Partly computed.

Government development expenditure, 1974-1979^{1/}
(\$000)

<u>Development category</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979^{1/}</u>
Infrastructure	1,749	2,210	2,006	2,916	4,072	4,026
Agriculture	672	1,271	1,415	1,399	2,156	2,634
Other economic development	126	138	330	1,575	1,379	1,054
Education	324	146	217	240	322	388
Health	208	37	148	131	192	764
Other	171	6	50	222	136	114
Total	3,250	3,808	4,164	6,483	8,257	8,480

^{1/} Approved estimates.

Source: Economic Development Department (based on Monetary Board figures).

Foreign trade, 1968-1979
(\\$000)

<u>Period</u>	<u>Exports</u> ^{1/}			<u>Imports</u> ^{2/}	<u>Trade</u>
	<u>Local products</u>	<u>Re-exports</u>	<u>Total</u>	<u>Total</u>	<u>Deficit(-)/ Surplus(+)</u>
1968	3,797	41	3,838	5,498	- 1,660
1969	4,602	28	4,630	7,374	- 2,744
1970	3,349	42	3,391	9,791	- 6,400
1971	4,484	40	4,524	9,614	- 5,090
1972	3,356	30	3,386	13,044	- 9,658
1973	3,786	215	4,001	14,433	-10,432
1974	7,564	108	7,672	15,909	- 8,237
1975	4,490	51	4,541	23,160	-18,619
1976	5,354	92	5,446	23,627	-18,181
1977	11,507	92	11,599	32,225	-20,626
1978	8,017	153	8,170	38,567	-30,397
1979 ^{3/}					
-1st quarter	1,797	73	1,869	11,918	-10,049
-2nd quarter	2,983	30	3,013	11,381	- 8,368
-3rd quarter	4,089	51	4,140	12,653	- 8,513
-4th quarter	5,901	450	6,351	24,945 ^{4/}	-18,592

1/ Exports valued fob.

2/ Import values are cdy + 10% up to 1972 and are cif as from 1973.

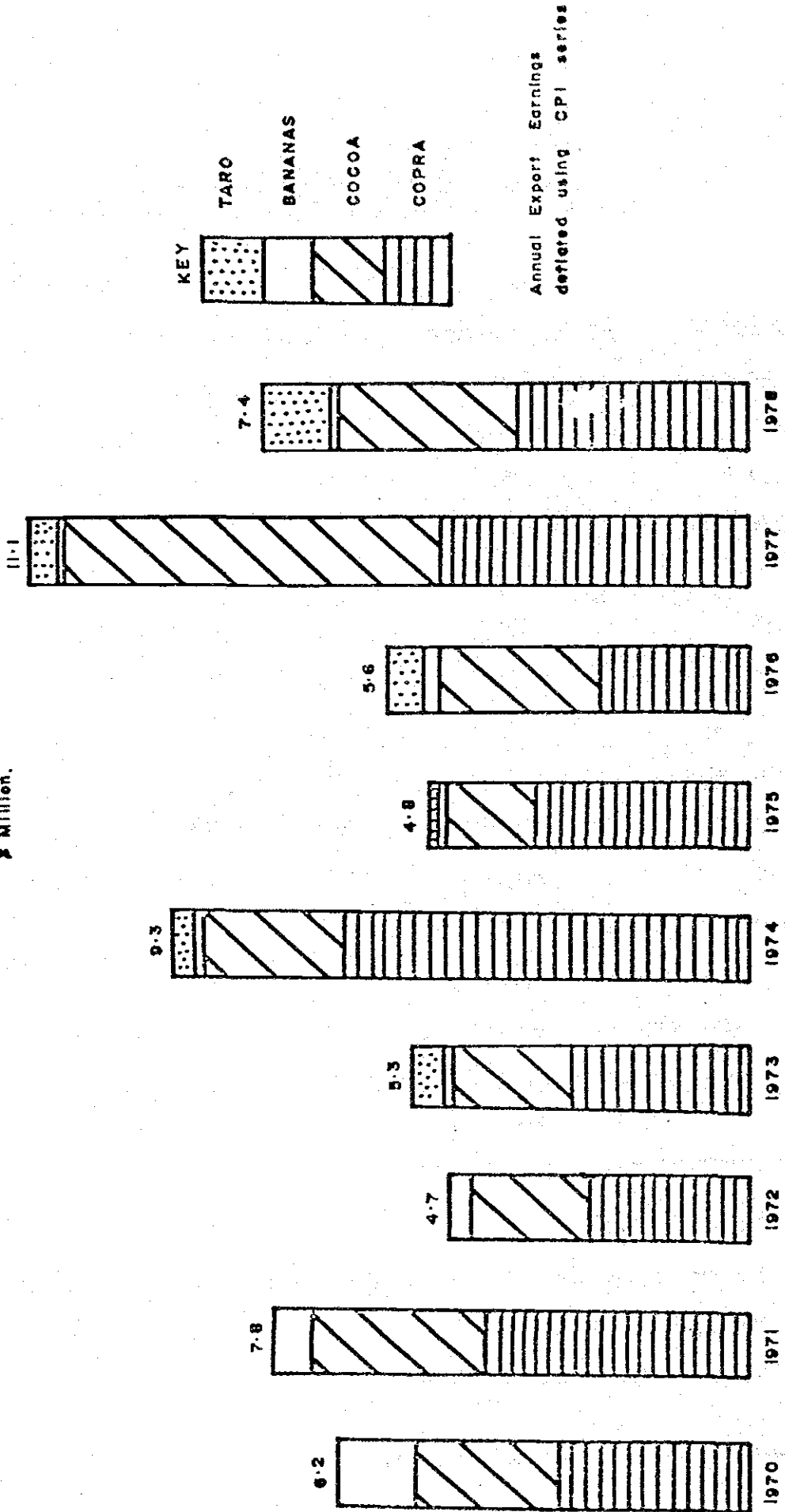
3/ Provisional figures.

4/ Includes "Forum Samoa" vessel.

Source: Statistics Department and Customs Department.

EXPORT EARNINGS OF SELECTED CROPS, 1970-1978 AT 1970 CONSTANT VALUES

£ Million.



Export Receipts 1979 and Projectd. 1980-1984
(\\$000 real)

Products	1979	1980	1981	1982	1983	1984
Copra	8,728	6,300	6,650			
Coconut oil and pellets	48	50	60	7,980	8,380	8,770
Cocoa	3,618	2,700	2,700	2,520	2,570	2,430
Bananas	151	220	250	280	320	350
Taro	1,192	1,200	1,240	1,250	1,300	1,300
Timber	266	230	200	150	100	-
Processed wood products				250	300	400
Coconut cream	417	480	500	520	530	550
Manufactures	453	500	560	620	700	785
Other agricultural products	168	150	170	180	200	200
Re-exports	299	330	350	360	370	380
Total	15,340	12,160	12,680	14,110	14,770	15,165

Note: The above figures for the leading products are somewhat more conservative than the target figures shown in Table 21.3, p.121 and are based on different assumptions about prices.

Goods and Services Deficits 1979 and Projected 1980-1984
(\\$000 real)

	1979	1980	1981	1982	1983	1984
Exports	15,340	12,160	12,680	14,110	14,770	15,165
Imports	49,900	52,690	55,640	58,750	62,040	65,510
TRADE DEFICIT	34,560	40,530	42,960	44,640	47,270	50,345
Net services receipts	1,000	1,500	1,600	2,000	2,200	2,300
Remittances/pensions receipts	7,000	7,100	7,200	7,400	7,600	8,000
RESULTANT DEFICIT	26,560	31,930	34,160	35,240	37,470	40,045

DP4 Foreign Exchange and Foreign Aid Components
(\\$000 real)

	1980	1981	1982	1983	1984	Total
DP4 Project total	30,122.9	27,873.1	22,494.3	25,888.3	21,803.4	128,182.0
Foreign exchange requirement	18,870.4	16,468.0	14,020.5	17,103.4	13,613.5	80,075.8
Foreign aid sought/expected	21,809.3	18,039.1	13,595.7	16,360.0	13,360.6	83,164.7

Plan Targets for Major Agricultural Products, DP4 Period and up to

1995-2000

Product	1980	1981	1982	1983	1984	Average		
						1985-1989	1990-1994	1995-2000
1. <u>Corns</u>								
(i) <u>New coconut, planting and replanting - Agriculture Department programme</u>								
Acreage	5,000	5,000	5,000	5,000	5,000	3,000	3,000	3,000
Production - tons	-	-	-	-	-	580	5,820	11,430
Value - \$ million	-	-	-	-	-	0.3	2.8	5.5
(ii) <u>Total national output</u>								
Production - tons	18,000	19,000	20,000	21,000	22,000	24,000	29,820	35,430
Value - \$ million	8.6	9.1	9.6	10.1	10.6	11.5	14.3	17.0
(iii) <u>Coconut oil</u>								
Production - tons			12,800	13,400	14,000	15,300	19,085	22,600
Value - \$ million			9.3	9.7	10.0	11.0	13.7	15.3
(iv) <u>Pellets</u>								
Production - tons			6,400	6,700	7,000	7,600	9,500	11,500
Value - \$ million			1.5	1.6	1.7	1.8	2.3	2.8
2. <u>Cocoa - export production</u>								
(i) <u>New cocoa planting and replanting - Agriculture Department programme</u>								
Acreage	500	1,000	1,000	1,000	1,000	1,000	1,000	200
Production - tons	-	-	-	22	102	805	2,730	4,750
Value - \$ million	-	-	-	0.05	0.02	2.0	7.0	12.3

DP4 Development Expenditure - Sector Shares
(\$000 real)

	No. of Projects	1980	1981	1982	1983	1984	Total	%
<u>Agriculture, Forestry and Fisheries</u>								
Rural Development	1	1,000.0	1,000.0	1,300.0	1,500.0	1,500.0	6,300.0	4.9
Agriculture	29	3,140.2	2,709.5	2,199.5	2,613.5	2,596.5	13,259.2	10.3
WSNEC	2	2,360.0	2,317.0	2,534.0	1,674.0	1,517.0	10,402.0	8.1
Forestry	7	2,093.3	2,105.3	1,861.3	1,859.3	1,863.3	9,782.5	7.6
Fisheries	4	121.0	119.0	112.0	110.0	58.0	520.0	0.4
Lands and Survey	3	190.0	745.0	140.0	140.0	140.0	1,325.0	1.1
Total	46	8,904.5	8,995.8	8,146.8	7,896.8	7,674.8	41,618.7	32.4
<u>Industries</u>								
Industrial development	3	3,300.0	1,500.0	700.0	700.0	700.0	6,900.0	5.4
Tourism	3	80.0	80.0	80.0	130.0	100.0	470.0	0.4
Total	6	3,380.0	1,580.0	780.0	830.0	800.0	7,370.0	5.8
<u>Social Services</u>								
Education	18	788.3	678.6	496.5	278.3	252.9	2,494.6	1.9
Health	13	1,257.1	1,224.4	1,195.6	545.1	607.5	4,829.7	3.8
Broadcasting	3	78.0	642.0	20.0	88.2	73.2	901.4	0.7
Youth, Sports and Culture	4	407.2	922.2	727.2	319.2	19.2	2,395.0	1.9
Total	38	2,530.6	3,467.2	2,439.3	1,230.8	952.8	10,620.7	8.3

Product	1980	1981	1982	1983	1984	Average		
						1985-1989	1990-1994	1995-2000
(ii) <u>Total national output</u>								
Production - tons	1,500	1,500	1,400	1,430	1,350	2,300	4,500	7,050
Value - \$ million	3.9	3.9	3.6	3.7	3.5	5.9	11.7	18.3
3. Coffee								
(i) <u>New coffee plantings -</u> <u>Agriculture Department programme</u>								
Acreage	-	-	-	50	50	150	30	30
Production - tons	-	-	-	-	-	65	150	210
Value - \$ million	-	-	-	-	-	0.08	0.2	0.9
(ii) <u>Total national output</u>								
Production - tons	20	20	25	25	25	100	270	370
Value - \$ million	0.05	0.05	0.06	0.06	0.06	0.1	0.4	0.5
4. Banana - export production								
(i) <u>New plantings/replanting</u>								
Acreage	50	250	50	250	50	100	100	100
Production - tons	-	350	2,450	2,800	4,550	6,000	7,000	7,000
Value - \$ million	-	0.06	0.4	0.5	0.8	1.1	1.3	1.3
(ii) <u>Total national export output</u>								
Production - tons	2,500	2,500	4,200	4,200	5,600	7,000	7,000	7,000
Value - \$ million	0.4	0.4	0.7	0.7	1.0	1.3	1.3	1.3
5. Taro - export production								
Production - cases	150,000	220,000	220,000	230,000	230,000	200,000	200,000	200,000
Value - \$ million	1.4	2.0	2.0	2.1	2.1	1.8	1.8	1.8
6. Beef								
Herd size	27,900	28,800	29,700	30,500	31,500	34,900	37,510	40,300
Production - tons	570	640	670	680	710	840	920	1,010
Consumption - tons	1,260	1,330	1,400	1,470	1,540	1,810	1,950	2,100
Imports - tons	690	690	730	790	830	970	1,030	1,090

Note: Values for the respective crops shown above are based on the following 1979 average export prices (fob) per ton: copra, \$482; coconut oil \$723; pellets \$244; cocoa \$2,600; coffee \$1,350; banana \$180. The assumed price for taro is \$9.3 per case (72 lbs). Note that in 1979 export prices for copra and cocoa in particular were on the high side.

Source: Departments of Economic Development and Agr

Total population and population growth, 1900-1979

<u>Year</u>	<u>Population</u>	<u>Average annual increase (%)^{1/}</u>	<u>Net out-migration^{1/}</u>	<u>Natural population increase (%)^{1/}</u>
1900	32,815	-		
1902	32,612	-0.3		
1906	33,478	+0.7		
1911	33,554	0.05		
1917	35,404	0.9		
1921	36,422	0.7		
1926	40,231	2.0		
1936	55,946	3.4		
1945	68,197	2.2		
1951	84,909	3.7	610	3.8
1956	97,327	2.8	2,303	3.2
1961	114,427	3.3	3,368	3.9
1966	131,377	2.8	7,460	3.9
1971	146,627	2.2	8,970	3.5
1976	153,111	0.9	15,546	3.0
1979 ^{2/}	160,966	1.7	6,000	3.0
1979 ^{3/}	156,840	0.5	9,677	2.9

1/ Since previous census.

2/ Projections based on estimated net out-migration of 2,000 per year.

3/ Revised estimate based on recorded net out-migration until 1.7.1979. This figure was not known in time for inclusion in Chapter 4 (Human Resources). As the figure is considered provisional, it is proposed that planning will continue to be based on a projected annual net out-migration of 2,000.

Source: Population censuses, 1966, 1971, 1976;

Population projections 1976-2001 conducted by Departments of Statistics and Economic Development;

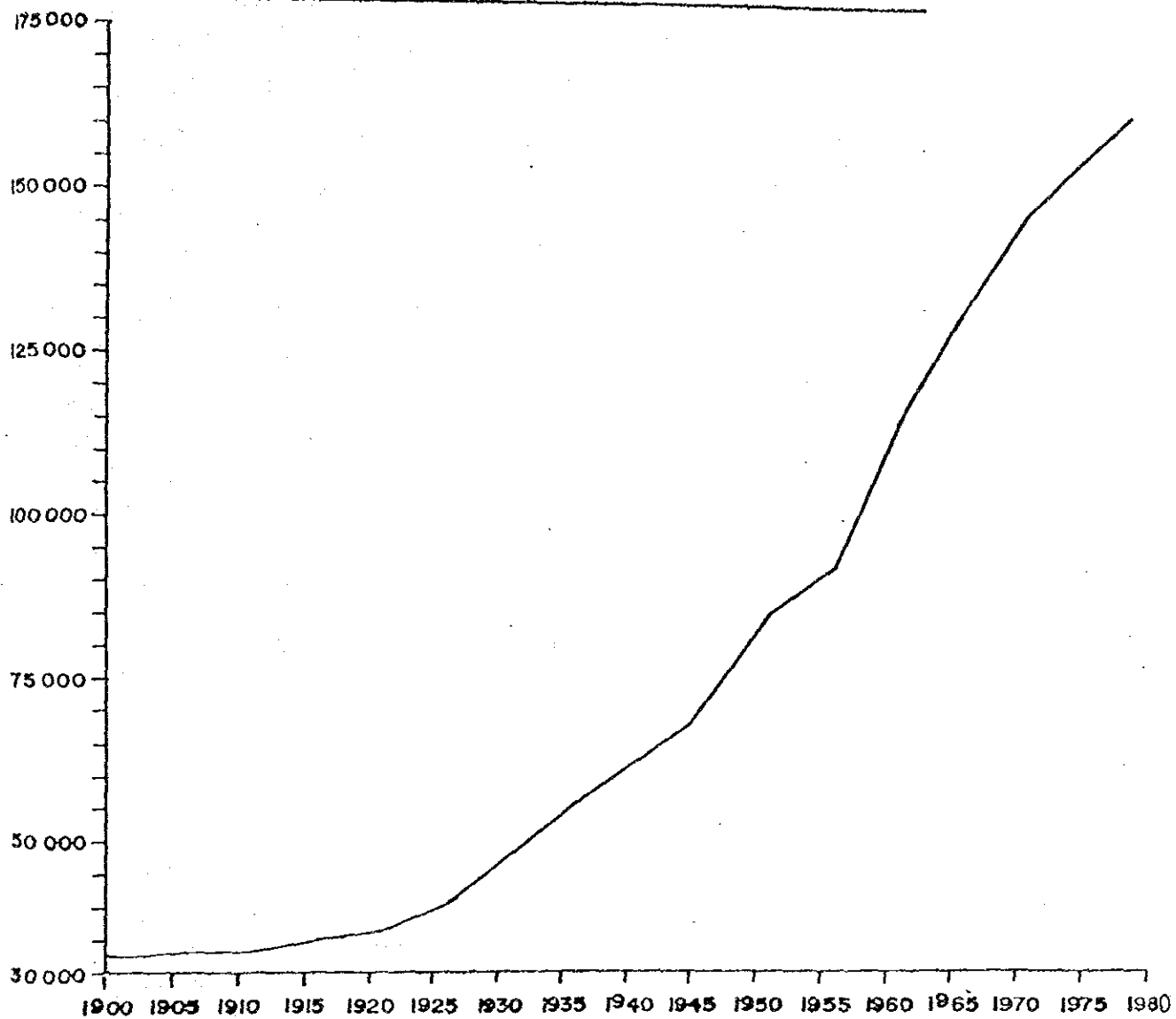
Third Five Year Development 1975-1979;

Annual Statistical Abstracts 1977, 1978 (Department of Statistics);

Quarterly Statistical Bulletins 1st and 2nd quarter 1979,
Statistics Department.

	No. of Projects	1980	1981	1982	1983	1984	Total	%
<u>Public Administration</u>								
Justice	1	-	-	171.0	90.0	-	261.0	0.2
Police and Prisons	6	26.5	116.5	221.5	253.5	214.5	832.5	0.7
Labour	1	-	-	9.6	-	-	9.6	0.0
Public Service Commission	2	5.3	100.4	6.5	5.5	-	117.7	0.1
Development Bank	1	530.0	-	-	-	-	530.0	0.4
Economic Development	2	915.9	18.5	-	-	-	934.4	0.7
Statistics	2	-	100.0	-	40.4	43.0	183.4	0.1
Public Works	1	-	29.0	23.0	-	-	52.0	0.0
Customs	1	-	-	100.0	-	-	100.0	0.1
Total	17	1,427.7	364.4	531.6	389.4	257.5	3,020.6	2.3
<u>Infrastructure</u>								
Roads	7	3,299.8	3,258.6	923.0	1,301.3	949.3	9,732.0	7.6
Marine	7	1,325.0	870.0	670.0	720.0	670.0	4,255.0	3.3
Civil Aviation	4	327.3	30.0	-	-	-	357.3	0.3
Post Office	7	2,545.0	283.6	446.0	6.0	3.0	3,283.6	2.6
Water, drainage & sewerage	6	875.0	2,805.0	2,895.0	2,200.0	2,275.0	11,050.0	8.6
EPC	19	5,458.0	6,218.5	5,662.6	11,314.0	8,221.0	36,741.1	28.8
Total	50	13,830.1	13,465.7	10,596.6	15,541.3	12,118.3	65,552.0	51.2
Total, all sectors:	157	30,122.9	27,873.1	22,494.3	25,888.3	21,803.4	128,182.0	100.0

POPULATION GROWTH IN WESTERN SAMOA, 1900-1979



Age and sex composition, 1979

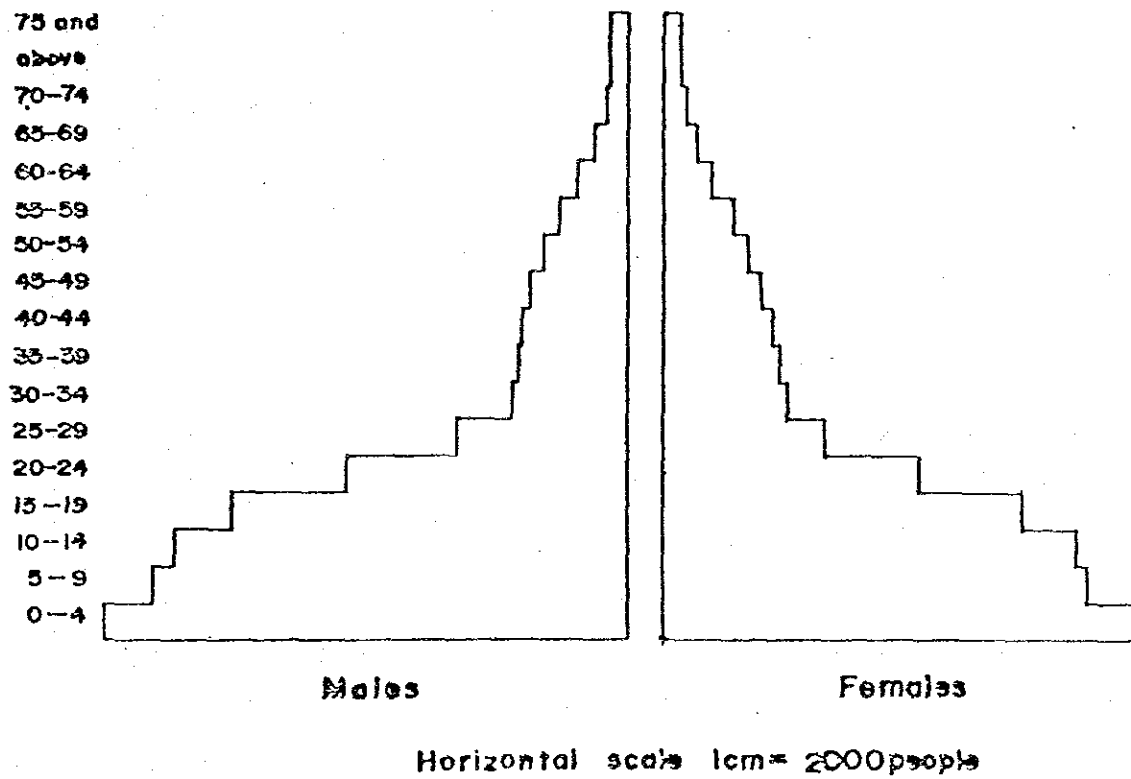
<u>Age Group</u>	<u>Females</u>		<u>Males</u>		<u>Total</u>	
	<u>Number</u>	<u>%</u>	<u>Number</u>	<u>%</u>	<u>Number</u>	<u>%</u>
0-4	13,101	16.8	14,342	17.3	27,443	17.0
5-9	11,860	15.2	13,067	15.7	24,927	15.5
10-14	11,318	14.5	12,480	15.0	23,798	14.7
15-19	9,874	12.7	10,918	13.1	20,791	12.9
20-24	6,975	9.0	7,836	9.4	14,811	9.2
25-29	4,434	5.7	4,700	5.7	9,134	5.7
30-34	3,395	4.4	3,189	3.8	6,584	4.1
35-39	3,202	4.1	3,015	3.6	6,217	3.9
40-44	3,020	3.9	2,979	3.6	5,999	3.7
45-49	2,721	3.5	2,706	3.3	5,427	3.4
50-54	2,375	3.1	2,380	2.9	4,755	3.0
55-59	1,892	2.4	1,946	2.3	3,838	2.4
60-64	1,355	1.7	1,412	1.7	2,766	1.7
65-69	916	1.2	947	1.1	1,863	1.2
70-74	599	0.8	601	0.7	1,200	0.7
75 and older	787	1.0	625	0.8	1,412	0.9
Total	77,824	100.0	83,143	100.0	160,965	100.0

Note: (1) The sex distribution is 107 males for every 100 females.

(2) Due to rounding differences the figures do not always add up exactly to the totals stated.

Source: Departments of Statistics and Economic Development.

AGE AND SEX STRUCTURE OF WESTERN SAMOA POPULATION 1979



Projected Population Dynamics of Western Samoa, 1979-2001

	1979	1984	2001
Population size	160,966	176,676	251,214
% under 15	47.3	45.9	44.9
Total fertility rate (children per woman)	6.4	6.1	5.3
Crude birth rate (births per 1,000 people)	37.4	38.8	36.1
Infant mortality (deaths per 1,000 infants)	35.2	35.2	35.2
Life expectancy (years)	62.6	62.6	62.6
Crude death rate (deaths per 1,000 people)	7.8	7.7	7.7
Natural growth rate (%)	2.96	3.11	2.84
Net emigration per year	2,000	2,000	2,000
Net emigrants as % of population	1.25	1.14	0.80
Actual population growth (%)	1.71	1.97	2.04

Source: Statistics Department and Economic Development Department.

Population by regions

	<u>Apia Urban Area^{a)}</u>	<u>Northwest Upolu^{b)}</u>	<u>Rest of Upolu</u>	<u>Savaii</u>
Population, 1976	32,099	36,739	40,927	42,218
Population density 1976 (persons per square mile)	1,359	376	136	64
Percentage of total population, 1961	19%	24%	29%	28%
Percentage of total population, 1976	21%	24%	27%	28%
Annual increase in population, 1961-1976	2.6%	1.9%	1.5%	1.9%
Annual increase in population, 1971-1976	1.2%	0.6%	0.4%	0.8%
Natural population growth 1971-1976	2.6%	2.9%	3.0%	3.0%

a) Comprising faipule districts Faleata East and Vaimauga West.

b) Comprising faipule districts A'ana Alofi Nos. I, II and III, Faleata West, Vaimauga East, Gagaenua No. I and the two Sagaga's.

Source: Based on data from the analytical report (Volume II) of the 1976 population census (Statistics Department, 1979).

Net outmigration of Western Samoa citizens, 1972-1979

	Quarterly			Annual net outmigration for the year ending with the quarter shown
	Arrivals	Departures	Net outmigration	
1972-1st quarter	n.a.	n.a.	n.a.	n.a.
-2nd quarter	4,247	7,199	2,952	n.a.
-3rd quarter	4,542	7,194	2,652	n.a.
-4th quarter	5,532	5,184	- 348	n.a.
1973-1st quarter	3,854	5,269	1,415	6,671
-2nd quarter	4,921	5,214	293	4,012
-3rd quarter	4,422	5,919	1,497	2,857
-4th quarter	5,727	6,365	638	<u>3,843</u>
1974-1st quarter	3,414	4,952	1,538	3,966
-2nd quarter	3,906	4,859	683	4,356
-3rd quarter	6,073	7,856	1,783	4,642
-4th quarter	5,800	5,886	86	<u>4,090</u>
1975-1st quarter	3,825	4,946	1,121	3,673
-2nd quarter	5,474	5,385	- 89	2,901
-3rd quarter	3,981	5,121	1,140	2,258
-4th quarter	4,970	4,767	- 203	<u>1,969</u>
1976-1st quarter	4,255	4,890	635	1,483
-2nd quarter	4,164	4,358	194	1,766
-3rd quarter	4,873	5,612	739	1,365
-4th quarter	5,415	5,040	- 375	<u>1,193</u>
1977-1st quarter	3,823	5,365	1,542	2,100
-2nd quarter	5,437	5,632	195	2,101
-3rd quarter	5,285	6,274	989	2,351
-4th quarter	6,262	6,342	80	<u>2,806</u>
1978-1st quarter	5,057	6,604	1,547	2,811
-2nd quarter	6,451	7,133	682	3,298
-3rd quarter	5,973	7,414	1,441	3,737
-4th quarter	7,776	5,438	-2,338	<u>1,332</u>
1979 ^{1/} -1st quarter	2,803	4,791	1,988	1,773
-2nd quarter	4,719	4,863	144	1,235
-3rd quarter	4,295	5,990	1,695	1,489
-4th quarter	5,573	7,405	1,832	<u>1,333</u>

1/ Provisional figures.

Source: Economic Development Department (based on Department of Statistics figures).

Labour force and labour participation rates by
age group and sex, 1979

Age group	Total number		Participation rate (%)		Labour force	
	males	females	males	females	males	females
0-4	14,342	13,101	-	-	-	-
5-9	13,067	11,860	-	-	-	-
10-14	12,480	11,318	5.8	3.4	724	385
15-19	10,918	9,874	49.5	40.6	5,404	4,009
20-24	7,836	6,975	95.7	96.7	7,499	6,745
25-29	4,700	4,434	98.1	99.2	4,611	4,399
30-34	3,189	3,395	99.3	99.5	3,167	3,378
35-39	3,015	3,202	99.2	99.4	2,991	3,183
40-44	2,979	3,020	98.9	99.2	2,947	2,996
45-49	2,706	2,721	98.7	99.2	2,670	2,699
50-54	2,380	2,375	98.1	97.9	2,335	2,325
55-59	1,946	1,892	96.8	96.2	1,884	1,820
60-64	1,412	1,355	13.3	7.3	188	99
65-69	947	916	10.7	5.2	101	48
70-74	601	599	7.9	3.9	47	23
75 and older	625	787	4.5	3.5	28	28
Total	83,143	77,824	41.6	41.3	34,596	32,137

Total labour force 66,733; total participation rate 41.5%

Note: (1) The labour force is defined as comprising all persons who are either engaged in any form of economic activity (whether cash-earning or not) or actively seeking such engagement; it excludes full-time school attendants and children under 10 years of age.

(2) Due to differences in rounding, the figures do not necessarily add up exactly to the totals mentioned.

Sources: Calculation of the labour force (background paper for EP4)
(Economic Development Department, 1979).

Employment status of the labour force, 1971 and 1976

	<u>1971</u>		<u>1976</u>	
	<u>Number</u>	<u>%</u>	<u>Number</u>	<u>%</u>
<u>Monetised sector</u> (所得生活者)				
Employers	75	0.1	92	0.2
Employees	13,973	22.1	16,069	25.9
Own account workers	773	1.2	649	1.0
Seeking employment	430	0.7	448	0.7
Total	<u>15,251</u>	<u>24.1</u>	<u>17,258</u>	<u>27.8</u>
<u>Subsistence sector</u> (自當自給生活者)				
Farmers, fishermen, etc.	21,570	34.2	20,205	32.6
Home-makers	26,336	41.7	24,527	39.6
Total	<u>47,906</u>	<u>75.9</u>	<u>44,732</u>	<u>72.2</u>
Total labour force	<u>63,157</u>	<u>100.0</u>	<u>61,990</u>	<u>100.0</u>

Source: Based on modified data from the population censuses of 1971 and 1976.

Working population by industry in the monetised sector, 1971 and 1976

<u>Industry</u>	<u>1971</u>		<u>1976^{a)}</u>	
	<u>Number</u>	<u>%</u>	<u>Number</u>	<u>%</u>
1. Agriculture, forestry and fisheries	2,555	17.2	2,022	12.0
2. Manufacturing	819	5.5	712	4.2
3. Construction and quarrying	1,621	10.9	1,820	10.8
4. Electricity and water	252	1.7	468	2.8
5. Transport, storage and communications	1,248	8.4	2,058	12.2
6. Trade, hotels and restaurants	2,418	16.2	2,407	14.2
7. Financing, insurance, real estate and business services	223	1.5	322	1.9
8. Community, social and personal services	5,756	38.6	6,893	40.8
Activities not adequately defined	-	-	151	0.9
Not stated	-	-	45	0.2
Total	14,892	100.0	16,898	100.0

a) Economically active population.

Source: Population censuses of 1971 and 1976.

INFORMATION STATISTICS TO JUNE 1979Educational Institutions:

	<u>Government</u>	<u>Mission</u>	<u>Total</u>
No. of Primary Schools:	13	22	153
No. of Secondary Schools:	22	16	38
	—	—	—
	153	38	191
	==	==	==
Technical College:	1	(Vaivase)	
School of Nursing:	1	(Notootua)	
Primary Teachers' College:	1	(Malifa)	
Secondary Teachers' College:	1	(Malifa)	
Marine Training School:	1	(Faleolo)	
Theological Colleges:	5		
Alafua University Campus:	1	(Alafua)	
U.S.P. Extension Service:		(Malifa)	

Special Education Schools:

Alafama (Vailele) School for the Blind.

School for the Handicapped (Vailoa).

No. of Pre-Schools (December 1978): 56

No. of School Inspectors (Field): 20

No. of Senior Inspectors (Office): 4

1979 STAFFING ENROLMENT STATISTICS RECORDED AS PER LEVEL

	Mission			Government			Both		
	Males	Fem.	Total	Males	Fem.	Total	Males	Fem.	Total
Primary (Pr.1-F.2)	53	151	204	382	872	1254	435	1023	1458
Secondary (F3-F5)	109	98	207	133	124	257	242	216	458
Secondary Vocational	14	1	15	14	12	26	28	13	41
Higher Vocational	21	4	25	2	-	-	21	4	25
Primary T.T.C.	-	-	-	7	7	14	7	7	14
Secondary T.T.C.	-	-	-	5	6	11	5	6	11

資料 24 生徒及び学生数, 学校数 1979 出典: 同上

SUMMARY ENROLMENT OF PUPILS AND INSTITUTION AS PER LEVEL

	Pupils Enrolled			Institutions Existing				
				Savani		Uganda		
	Govt.	Mission	Total	Govt.	Mis- sion	Govt.	Mis- sion	Total
Primary	36,359	5,714	42,073	45	6	87	15	153
Secondary	5,824	3,695	9,719	8	3	14	14	39
Secondary Vocational	220	-	220	-	-	2	2	4
Higher Vocational	-	161	161	-	-	-	3	3
Primary T.T.C.	221	-	221	-	-	1	-	1
Secondary T.T.C.	33	-	33	-	-	1	-	1
Total	42,637	9,570	52,207	53	9	105	34	201

School District	Inspector	Total No. of School	J.H.S	Total No. of Pupils	Female Teacher	Male Teacher	Total No. of Tch.
1. Aana No. 1	Pone Utumapu	7	1	2,734	69	24	93
2. Aana No. 2	Namulaulu Koko	10	1	2,192	62	27	89
3. Sagaga	Afamasaga U.	7	1	2,652	60	20	80
4. Faleata	Leiataua	7	1	2,975	75	21	96
5. Falealili	Tupuola	7	1	1,780	40	24	64
6. Safata	Leaula U.	6	1	1,592	35	25	60
7. Lefaga	Lemalu	5	1	1,248	21	24	45
8. Vaimauga No. 1	Aii K.	8	1	2,639	68	16	84
9. Vaimauga No. 2	Afamasaga S.	4	-	2,770	73	22	95
10. Anoamaa No. 1	Mataitusi Simanu	9	1	1,671	49	17	66
11. Anoamaa No. 2	Tafaomalo T.	6	1	632	14	13	27
12. Aleipata No. 1 & 2	Kavana S.	10	2	2,278	56	28	84
13. Asau No. 1	Masi S.	4	1	1,144	23	14	37
14. Asau No. 2	Utai Afasene	4	-	796	18	16	34
15. Savaii i Sisifo	Fuimaono M.	7	1	2,232	42	26	68
16. Itu o Tane No. 1	Te'o S.	6	1	1,218	34	14	48
17. Itu o Tane No. 2	Nautu L.	6	1	1,420	36	19	55
18. Palauli	Tagiilima S.	7	1	1,910	38	30	68
19. Faasaleleaga No. 1	Tuilagi M.	6	1	1,893	48	15	63
20. Faasaleleaga No. 2	Timu S.	5	1	960	28	16	44
TOTALS		131	19	36,736	889	411	1,300

Level/Year	Government Schools	Mission Schools	Total	Of which Government Schools %
<u>Pupils Primary Schools</u>				
1978	28,488	4,851	33,339	85.5
1979	29,146	4,467	33,613	86.7
<u>Intermediate Level</u>				
1978	6,775	1,339	8,114	83.5
1979	7,213	1,247	8,460	85.3
<u>Secondary Schools</u>				
1978	5,372	3,928	9,300	57.8
1979	5,824	3,895	9,719	60.0
<u>Secondary Vocationals</u>				
1978	210	24	234	89.7
1979	220	32	252	87.3
<u>Higher Education Vocationals</u>				
1978	...	196	196	...
1979	...	161	161	...
<u>Primary Teacher Training</u>				
1978	430	-	430	100.0
1979	221	-	221	100.0
<u>Secondary Teacher Training</u>				
1978	11	-	11	100.0
1979	33	-	33	100.0
<u>Teachers Primary Schools - All</u>				
<u>Intermediate Levels are included</u>				
1978	1,257	214	1,471	85.5
1979	1,254	204	1,458	86.0
<u>Secondary Only</u>				
1978	251	241	492	51.0
1979	257	201	458	56.1
<u>Secondary Vocationals</u>				
1978	32	15	47	68.1
1979	26	15	41	63.4
<u>Higher Vocationals</u>				
1978	...	30	30	...
1979	...	25	25	...
<u>Primary Teacher Training</u>				
1978	23	-	23	100.0
1979	14	-	14	100.0
<u>Secondary Teacher Training</u>				
1978	8	-	8	100.0
1979	11	-	11	100.0

Source: Department of Education.

Note: Secondary Teacher Training was just started in 1978. Previous figures were for Primary Teacher Training only.

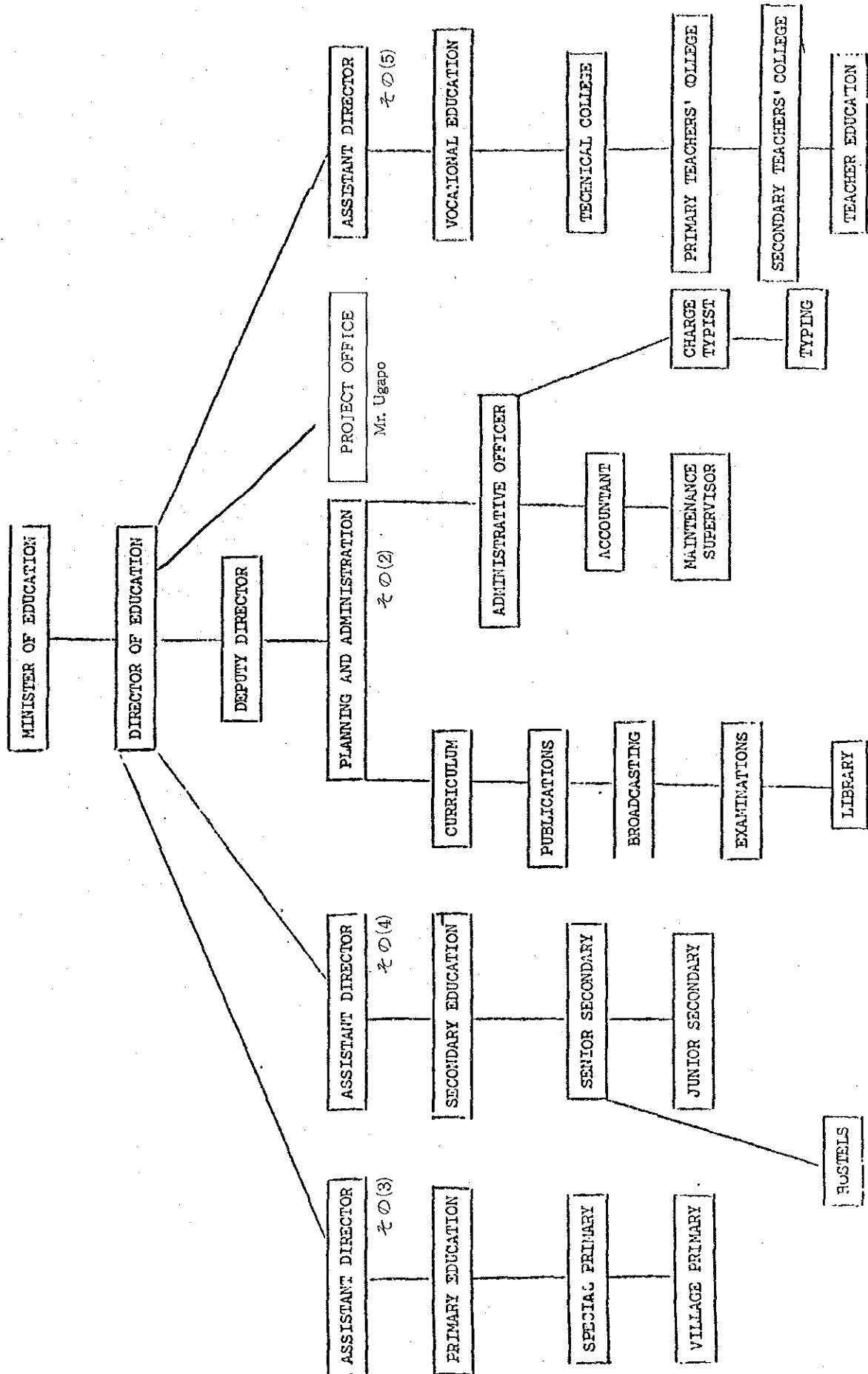
NUMBER OF PUPILS RECEIVING EDUCATION IN
DIFFERENT CLASSES

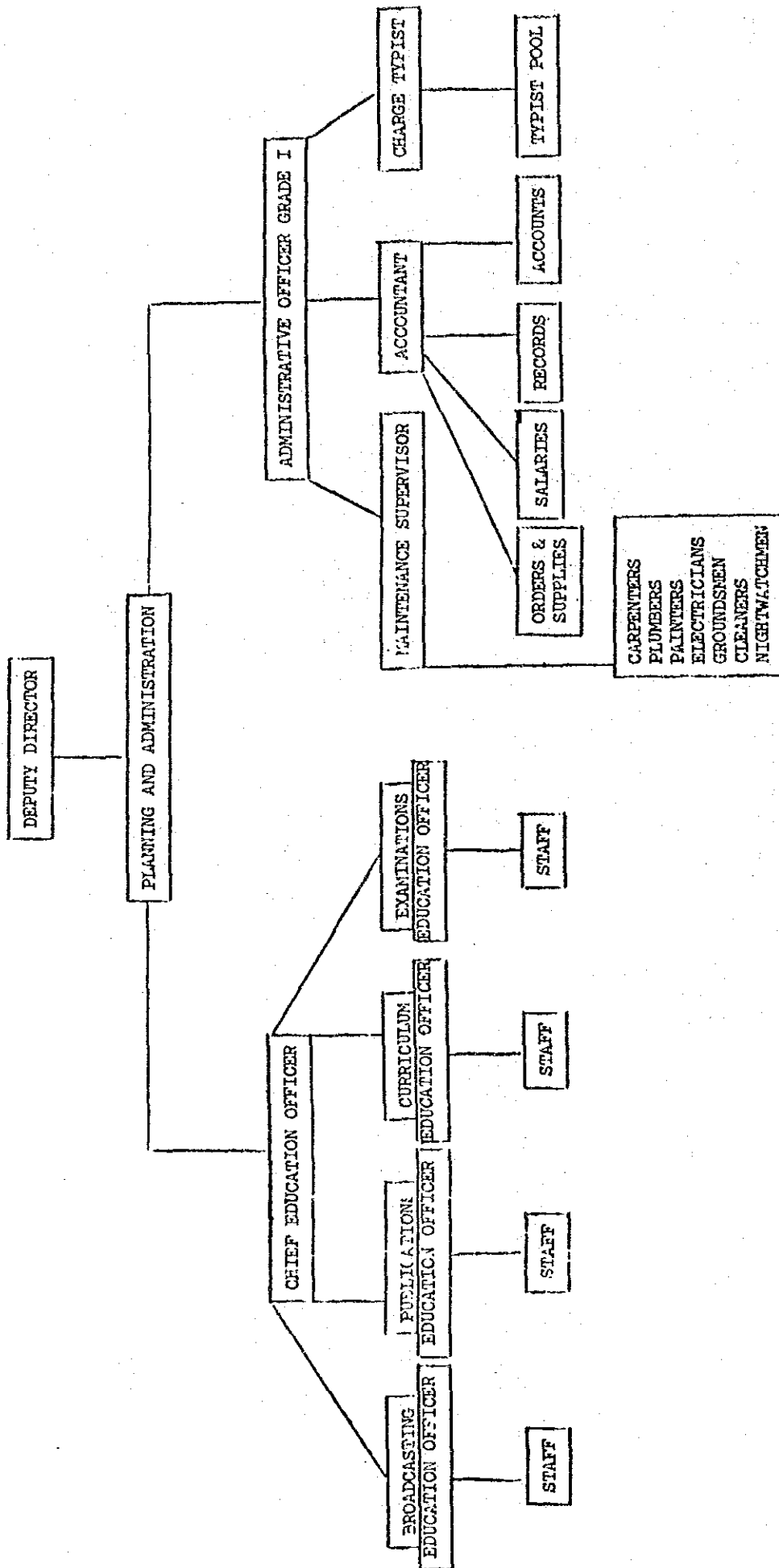
Classes/Year	Government Schools		Mission Schools		Total		Grand Total
	Male	Female	Male	Female	Male	Female	
<u>Primary</u>							
<u>Primer 1</u>							
1975	1,850	1,932	378	410	2,228	2,342	4,570
1976	2,158	1,944	397	370	2,555	2,314	4,869
1977	2,212	2,016	439	362	2,651	2,378	5,029
1978	2,132	1,983	408	398	2,540	2,381	4,921
1979	2,279	2,160	373	376	2,652	2,536	5,188
<u>Primer II</u>							
1975	3,119	2,153	314	349	3,433	2,505	5,938
1976	2,222	1,980	322	346	2,544	2,326	4,870
1977	2,189	1,993	331	336	2,520	2,329	4,849
1978	2,195	1,972	371	305	2,566	2,277	4,843
1979	2,142	2,030	324	306	2,466	2,336	4,802
<u>Primer III</u>							
1975	1,875	1,815	353	339	2,228	2,154	4,382
1976	2,243	1,994	354	320	2,597	2,314	4,911
1977	2,293	2,047	302	336	2,595	2,383	4,978
1978	2,191	1,978	357	326	2,548	2,383	4,931
1979	2,170	2,033	329	318	2,499	2,351	4,850
<u>Standard 1</u>							
1975	1,054	2,909	386	366	1,440	3,274	4,714
1976	2,107	2,106	342	353	2,449	2,459	4,908
1977	2,281	2,018	353	341	2,634	2,359	4,993
1978	2,275	1,975	318	355	2,593	2,330	4,923
1979	2,254	1,999	321	315	2,575	2,214	4,789
<u>Standard II</u>							
1975	2,079	1,802	356	371	2,435	2,173	4,608
1976	2,028	1,920	344	295	2,372	2,215	4,587
1977	2,104	1,859	324	305	2,428	2,164	4,592
1978	2,233	1,979	323	336	2,556	2,315	4,871
1979	2,227	1,965	313	321	2,540	2,286	4,826
<u>Standard III</u>							
1975	1,828	1,785	343	326	2,171	2,111	4,282
1976	1,985	1,838	362	347	2,347	2,185	4,532
1977	2,005	1,916	315	340	2,320	2,256	4,576
1978	2,010	1,811	349	375	2,359	2,186	4,545
1979	2,168	1,952	279	295	2,447	2,247	4,694
<u>Standard IV</u>							
1975	1,662	1,810	332	346	1,994	2,156	4,150
1976	1,816	1,739	297	343	2,113	2,082	4,195
1977	1,899	1,812	320	334	2,219	2,146	4,365
1978	1,902	1,862	302	328	2,204	2,190	4,394
1979	1,960	1,807	280	317	2,240	2,124	4,364

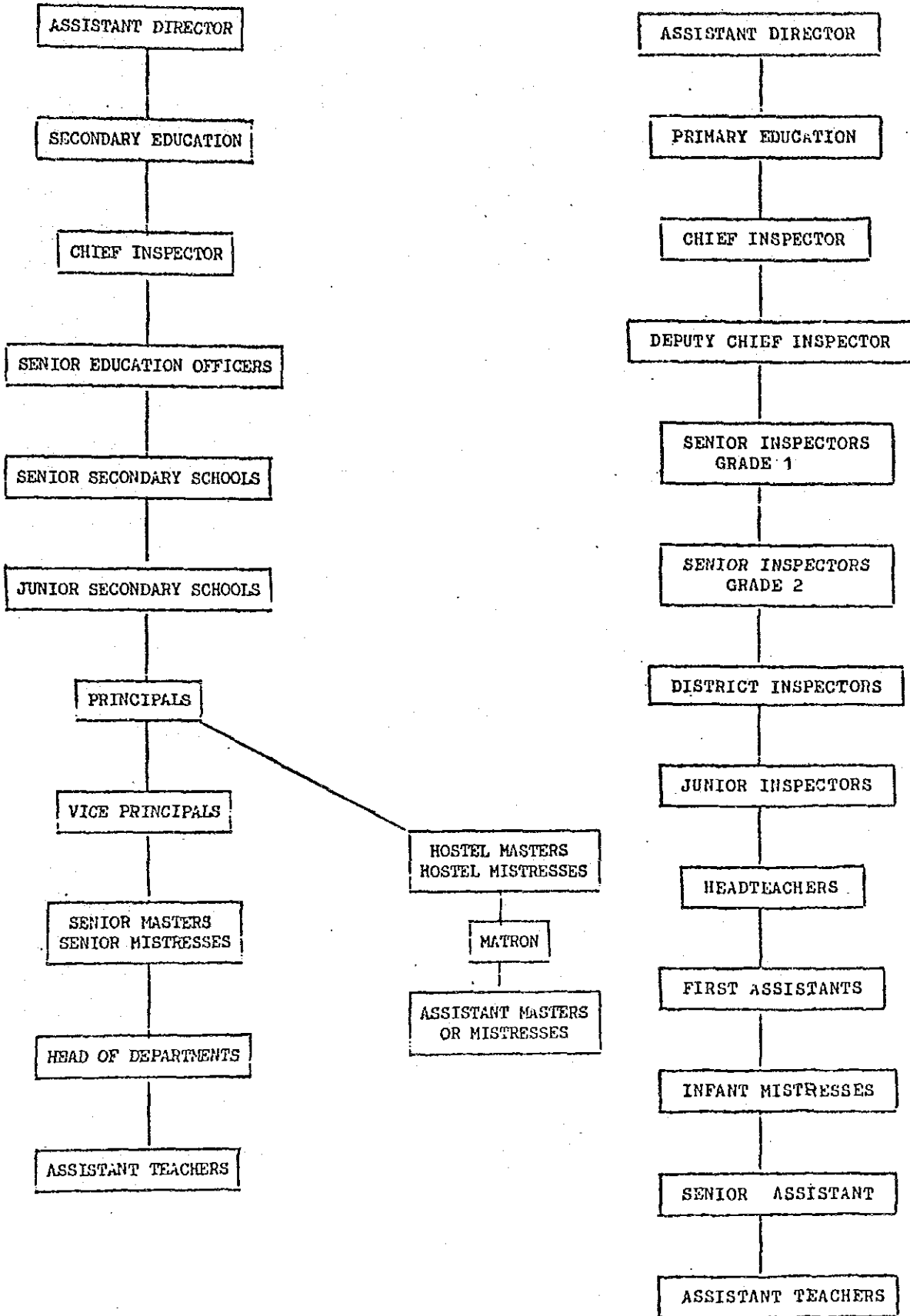
NUMBER OF PUPILS RECEIVING EDUCATION
IN DIFFERENT CLASSES

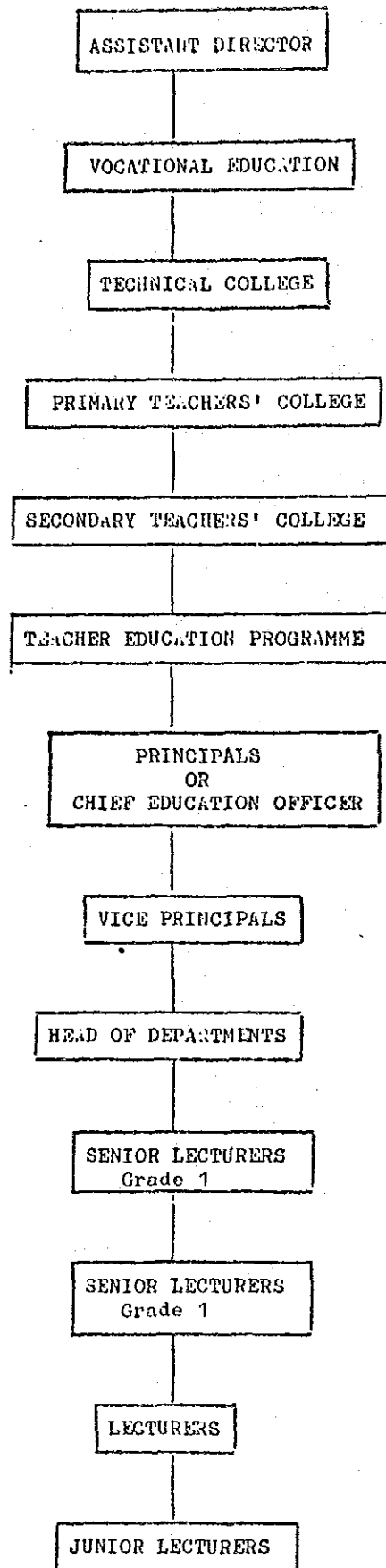
Classes/Year	Government Schools		Mission Schools		Total		Grand Total
	Male	Female	Male	Female	Male	Female	
<u>Intermediate</u>							
<u>Form I</u>							
1975	1,634	1,518	373	344	2,007	1,862	3,869
1976	1,596	1,700	358	290	1,954	1,990	3,944
1977	1,762	1,759	310	328	2,072	2,087	4,159
1978	1,830	1,781	346	326	2,176	2,107	4,283
1979	1,848	1,889	319	292	2,167	2,181	4,348
<u>Form II</u>							
1975	1,242	1,333	344	333	1,586	1,666	3,252
1976	1,486	1,539	385	264	1,871	1,803	3,674
1977	1,450	1,668	297	324	1,747	1,992	3,739
1978	1,539	1,625	343	324	1,882	1,949	3,831
1979	1,742	1,734	316	320	2,058	2,054	4,112
<u>Secondary</u>							
<u>Form III</u>							
1975	839	855	541	741	1,380	1,596	2,976
1976	875	856	484	638	1,359	1,494	2,853
1977	1,014	1,031	540	705	1,554	1,736	3,290
1978	1,032	952	582	664	1,614	1,616	3,230
1979	1,083	1,025	572	589	1,655	1,614	3,269
<u>Form IV</u>							
1975	851	787	468	706	1,319	1,493	2,812
1976	827	794	435	530	1,262	1,324	2,586
1977	814	798	484	656	1,298	1,454	2,752
1978	872	828	495	516	1,367	1,344	2,711
1979	878	932	530	581	1,408	1,513	2,921
<u>Form V - Lower</u>							
1975	378	409	303	482	681	891	1,572
1976	731	653	366	473	1,097	1,126	2,223
1977	644	659	401	602	1,045	1,261	2,306
1978	677	690	459	623	1,136	1,313	2,449
1979	819	782	498	551	1,317	1,333	2,650
<u>Form V - Upper</u>							
1975	88	68	257	107	345	175	520
1976	94	51	163	181	257	232	489
1977	108	95	215	203	323	298	621
1978	132	85	250	273	382	358	770
1979	146	88	233	263	379	351	730
<u>Form VI</u>							
1975	28	11	40	18	68	29	97
1976	31	18	48	10	79	28	107
1977	26	26	45	21	71	47	118
1978	49	45	43	23	92	68	160
1979	46	25	48	30	94	55	149

SCHOOLS	Intending Sitters	Subjects Passed	Subjects	Subjects	Subjects	Subjects	No Pass	No. Sitters	Total No. of Passes	No. Qualified for Higher Level
Government:										
Samo College	183	9	24	28	37	36	47	2	134	75
Avele	36	2	3	5	7	12	26	-	30	14
Vaipouli	19	-	-	-	-	1	18	-	1	-
TOTAL	258	11	30	31	44	49	91	2	165	89
Catholic:										
St. Mary's	48	6	3	4	5	15	14	1	33	17
St. Joseph's	36	1	3	4	10	12	6	-	30	10
Logoipulotu	14	-	1	1	-	1	11	-	3	2
Chanel	36	-	2	4	6	9	15	-	21	8
Paul VI	25	-	-	1	1	4	20	-	6	2
Ulimasao Boys	9	-	-	-	1	-	8	-	1	-
TOTAL	169	7	9	14	23	41	74	1	94	39
Methodist:										
Methodist	51	-	-	-	1	6	45	1	7	-
TOTAL	51	-	-	-	1	6	45	1	7	-
C.C.M.J.:										
Maiua'ou College	11	-	-	-	1	2	7	5	3	-
Lerimasaga Fou Coll.	183	-	-	3	9	22	148	4	34	5
TOTAL	194	-	-	3	10	24	155	7	37	5
Seventh Day Adventist:										
Seventh Day Adventist S.D.A.	1	-	-	-	2	2	1	-	-	-
Other:										
Other College	1	-	-	1	13	24	11	-	27	14
TOTAL	147	-	-	1	13	24	11	-	27	14









SAVALI MOBILE LIBRARY ITINERARY - FIRST TERM 19803RD WEEK OF TERM

<u>Place/School</u>	<u>Day/Week</u>	<u>Date/Month</u>	<u>Appr. Time of Arrival</u>
<u>ITU-O-TANE NO.1 & 2 DIST.</u>			
Patamea Pr	Monday	25th Feb. 1980	3 p.m. stay night
Samalaeulu Pr	Tuesday	26th Feb. 1980	8.30 a.m.
Saleaula Pr	"	" " "	11.30 a.m.
Tutaga Pr	"	" " "	3 p.m. stay night
Itu o Tane J/H No.4	Wednesday	27th Feb. 1980	8.30 a.m.
Laumoli Pr	"	" " "	11.30 a.m.
Manase Pr	"	" " "	3 p.m. stay night
Safotu Pr	Thursday	28th Feb. 1980	8.30 a.m.
Safotu R.C.	"	" " "	11.30 a.m.
Samauga Pr	"	" " "	3 p.m. stay night
Safune Pr	Friday	29th Feb. 1980	8.30 a.m.
Itu o Tane J/H No.2	"	" " "	11.30 a.m.
Sasina Pr	"	" " "	3 p.m. stay night

4TH WEEK

Letui Pr	Monday	3 March 1980	8.30 a.m.
Aopo Pr	"	" " "	11.30 a.m.
<u>ASAU DIST. NO.1&2</u>			
Asau Pr	"	" " "	3 p.m. stay night
Auala Pr	Tuesday	4 March 1980	8.30 a.m.
Itu Asau J/H	"	" " "	11.30 a.m.
Fagasa Pr	"	" " "	3 p.m. stay night
Papa Sataua Pr	Wednesday	5 March 1980	8.30 a.m.
Tufutafoe Pr	"	" " "	3 p.m. stay night
Falealupo Pr	Thursday	6 March 1980	8.30 a.m.
Falealupo R.C.	"	" " "	11.30 a.m.

7TH WEEK

Asaga Pr	Monday	24 March 1980	8.30 a.m.
Lano Pr	"	" " "	11.30 a.m.
Pu'apu'a Pr	"	" " "	3 p.m. stay night
Logoipulotu College	Tuesday	25 March 1980	8.30 a.m.
Apia	"	" " "	-

Chapter 10

CRITERIA FOR FOREIGN AID

Since 1971 there has been a seven-fold increase in government development expenditure in constant value terms. This rapid growth would not have been possible without foreign aid.

During the DP3 period project aid has paid for over 60% of development expenditure of \$86 million. This year project aid is equivalent to 68% of the Development Budget and \$115 per head of population.

Foreign aid has played a big part in Samoa's development effort in recent years, both directly and indirectly. Improvements in road transport, shipping, health services and electric power have, for instance, owed much to foreign aid. And the Rural Development Programme has been largely funded through aid.

The ultimate objective of foreign aid must be to make itself unnecessary; to increase the recipient country's productive capacity so that, in time, it may meet all its people's needs from its own resources. Some forms of aid, however, may work in the opposite direction. By supplying aid involving advanced technology, for example, a donor may make the recipient more dependent on imported expertise, fuel and spare parts for many years. A loan, albeit soft, may generate an outflow of foreign exchange repayments which exceeds the foreign exchange benefits of the project. In general, indiscriminate acceptance of aid-in-kind from developed donor countries can support an orientation towards imported ideas, technology and hardware which is detrimental to "development" in the broadest meaning of that word and damaging to Samoan culture.

Western Samoa may be approaching the stage where the obvious advantages of aid are outweighed by less obvious, but no less real disadvantages. Chief among these disadvantages are:

- (a) supply of goods as aid which displace or compete with local products;
- (b) creation of a layer of foreigners in technical and management of positions which, because of advanced technology introduced in aid packages, it will be hard to localise;
- (c) implementation of low priority projects because they conform to aid donors' preferences;
- (d) a general level of expectation inappropriate to the country's stage of development, which perpetuates and even deepens dependence on aid;
- (e) duplication of effort when donors insist on self-contained aid projects;
- (f) redirection of thinking away from solutions based on local resources in favour of those based on aid donors' resources and preferences;
- (g) (least tangible, but perhaps the most significant in the long run) de-motivation brought about by a "remittance mentality": thrift, effort and enterprise are devalued by too heavy an inflow of unearned resources, whether from migrants or from aid donors.

To guard against these counter-developmental aspects of aid firm criteria will be adopted for the selection of projects for which aid will be sought in the DP4 period, and for the types of aid sought.

In particular, except in special circumstances aid will not be sought in the form of imported goods which are or could be produced in Western Samoa. Examples of such goods are:

- . building materials
- . furniture
- . small boats
- . simple metal structures
- . food

This would not preclude donors' buying aid-in-kind from local producers.

To avoid uncomfortably large debt servicing commitments, grant aid will be preferred to loans, and loans will be sought only for projects which will themselves generate sufficient foreign exchange (earned or saved) to meet debt servicing requirements.

When choosing projects to submit to aid donors, priority will be given to those which contribute more or less directly to national economic self-reliance. In particular, projects will be preferred which:

- . exploit natural resources, in accordance with ecological guidelines;
- . expand the export base or substitute for imports;
- . disseminate or upgrade skills;
- . create paid employment.

In the case of social service and other projects which are not directly productive, aid will be sought only for those which are of such high priority that they would be funded even if aid were refused. Aid received for such projects would then release local funds for investment in productive projects.

Greater selectivity with regard to foreign aid will limit the resources available for development purposes. It is intended that the proportion of the Development Budget financed from external aid shall not exceed 6% over the Plan period.

MONTHLY MEAN OF WEATHER DATA
BASED ON RECORDS TO DECEMBER, 1970.

	I. Jan.	II. Feb.	III. Mar.	IV. Apr.	V. May	VI. Jun.	VII. Jul.	VIII. Aug.	IX. Sept.	X. Oct.	XI. Nov.	XII. Dec.	Yearly
Maximum	6.1	6.4	5.8	5.4	4.9	4.7	4.4	4.6	4.4	5.3	5.5	5.9	5.3
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Speed	5.1	5.3	4.6	4.3	5.1	6.8	7.3	8.1	7.9	7.1	5.6	5.3	6.0
Total	352.0	345.7	363.0	253.9	178.6	150.2	100.7	121.7	148.0	232.9	243.3	380.2	2080.0
Days of Rain	21	21	22	16	16	15	14	15	14	1	18	21	211
Hours of Sunshine	194.2	158.0	190.6	201.7	217.0	213.5	228.3	232.8	236.9	202.6	206.6	179.9	2458.1
Average Daily Temperature	398.5	357.7	377.5	353.7	355.3	339.3	352.0	351.0	360.5	357.6	382.7	401.5	425.2
Maximum	43.7	44.2	50.5	57.0	61.0	62.9	64.7	64.5	65.7	52.7	52.9	44.0	55.8
Average Minimum	21.8	21.9	21.9	21.8	21.3	21.0	20.3	20.4	20.4	21.2	21.3	21.5	21.3
Minimum	23.7	23.7	23.7	23.7	23.4	23.1	22.7	22.7	22.8	23.2	23.3	23.5	23.3
Wet Days	30.2	30.1	30.2	30.4	30.2	29.8	29.3	29.3	29.6	29.7	30.0	28.0	29.0
of 24hr. Value	26.7	26.9	26.9	26.9	26.7	26.4	26.9	26.1	26.2	26.4	26.6	26.7	26.6
Maximum	27.0	26.9	27.0	27.1	26.8	26.5	26.1	26.1	26.2	26.4	26.6	26.7	26.6
Average Daily	28.0	27.7	27.5	28.0	27.6	27.1	26.9	26.9	27.4	27.6	28.1	27.9	27.6
of 24hr. Value	25.4	25.4	25.1	25.4	25.0	24.5	23.3	23.9	24.3	24.7	25.0	25.1	24.8
of 24hr. Value	11.7	8.00	9.30	9.99	10.6	11.4	11.7	12.0	11.8	11.1	9.27	8.14	10.10
of 24hr. Value	11.8.9	9.1	10.4	11.1	11.8	12.7	13.0	13.3	13.2	12.4	10.4	9.1	11.3
of 24hr. Value	84.5	85.4	84.9	84.7	83.9	82.6	80.5	80.4	80.4	82.4	83.0	84.2	83.1
of 24hr. Value	70.7	62.1	61.9	60.9	60.2	71.2	73.2	77.4	75.1	77.8	77.7	72.5	72.1
of 24hr. Value	30.0	30.3	30.2	30.2	29.5	30.6	26.7	27.1	27.2	28.2	28.9	29.5	28.2
of 24hr. Value	30.5	30.6	30.3	30.6	29.7	28.7	27.3	27.4	27.8	28.9	29.5	29.9	29.3
Thunder	7	7	8	8	7	4	2	2	2	6	8	8	59
Lightnings	6	5	7	6	7	5	2	2	3	5	5	6	59
			73.6										

WIND STRENGTH - MAXIMUM GUSTS (KNOTS)

	I Jan.	II Feb.	III Mar.	IV Apr.	V May	VI Jun.	VII Jul.	VIII Aug.	IX Sep.	X Oct.	XI Nov.	XII Dec.	Max.
1941	25	39	38	35	33	30	34	30	35	38	50	33	35
1942	30	38	36	39	28	43	<u>44</u>	41	41	38	29	33	44
1943	32	26	<u>41</u>	31	28	20	35	36	38	36	28	33	41
1944	<u>42</u>	37	35	32	32	29	36	38	<u>42</u>	37	28	29	52
1945	35	36	40	38	29	37	31	32	<u>41</u>	41	33	30	41
1946	33	38	26	26	29	38	31	39	32	33	30	<u>46</u>	46
1947	36	26	36	42	36	36	42	39	<u>45</u>	38	27	36	65
1948	42	42	42	36	35	41	41	36	37	39	32	<u>49</u>	49
1949	25	39	41	29	<u>44</u>	38	37	41	39	37	37	37	44
1950	<u>44</u> 37	41 35	38 30	35 34	32 32	43 35	38 36	34 36	35 36	34 37	31 31	<u>44</u> 37	44
1951	30	41	32	29	30	36	33	29	38	<u>42</u>	36	29	42
1952	38	37	36	34	34	43	35	31	43	<u>47</u>	27	39	45
1953	29	35	29	36	38	33	<u>45</u>	29	29	37	42	25	45
1954	36	42	39	36	43	34	<u>44</u>	37	41	<u>44</u>	35	34	44
1955	32	46	33	32	39	35	35	45	<u>51</u>	41	35	42	51
1956	<u>39</u>	38	33	35	30	<u>39</u>	<u>39</u>	33	37	34	29	34	39
1957	34	<u>65</u>	31	33	28	42	35	34	30	34	34	47	65
1958	44	31	44	29	<u>48</u>	33	32	36	32	37	33	27	40
1959	37	<u>42</u>	37	32	33	33	37	32	38	41	34	39	42
1960	<u>52</u> 37	34 41	39 34	34 30	36 36	38 36	39 37	35 34	34 37	32 32	33 33	38 35	52
1961	34	43	<u>58</u>	33	35	45	34	29	41	43	31	28	63
1962	41	37	38	29	43	35	29	<u>47</u>	42	38	31	43	47
1963	31	34	<u>42</u>	37	31	37	29	34	31	31	32	33	42
1964	37	34	<u>40</u>	<u>44</u>	33	39	33	37	37	39	32	28	44
1965	33	33	31	35	36	<u>44</u>	41	33	36	36	28	30	44
1966	<u>52</u>	35	33	36	34	43	32	33	41	30	33	35	82
1967	<u>52</u>	37	35	38	35	36	41	<u>52</u>	36	38	36	42	52
1968	40	<u>72</u>	34	42	28	37	39	28	32	40	31	31	72
1969	<u>43</u>	<u>43</u>	37	35	39	28	34	32	33	32	34	36	43
1970	<u>51</u> 37	40 37	41 37	33 37	33 37	33 37	39 37	36 37	35 36	34 37	28 33	30 35	51
Total	1139	1190	1119	1036	1041	1105	1094	1063	1122	1121	981	1063	
	37	32	27	25	35	37	36		27	37	33	35	31

← Incomplete Year

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Max	
1971	32	28	38	41	34	44	31	35	39	38	35	41	44	
1972	40	32	30	36	29	36	32	38	33	37	36	51	51	
1973	47	37	30	36	36	33	33	36	34	39	38	37	47	
1974	41	37	45	39	42	41	37	28	39	34	35	44	45	
1975	52	36	38	38	34	38	43	37	38	33	38	40	52	
1976	36	42	39	Anemometer OUT				65	SEVERE (-25)		34	(30)	(40)	42
1977	42	32	30	30	33	37	37	37	40	-	-	45	43	
1978	41	30	35	33	35	31	34	37	27	30	30	33	41	
1979	42	35	32	40	30	39	36	32	35	40	34	37	42	
1980	33													

Duration of Rainfall (in hours)

1971	55.8	42.6	22.9	-	8.0	-	-	-	33.1	12.2	31.1	18.6		
1972	50.1	29.0	44.7	26.0	14.4	8.1	11.8	13.7	47.0	34.8	50.2	84.0	444.0	
1973	25.7	28.6	10.8	24.4	11.5	7.3	18.4	33.2	22.4	76.1	98.2	58.4	421.0	
1974	34.2	34.0	50.1	24.3	13.0	40.4	6.2	2.6	13.1	38.7	43.4	71.4	371.4	
1975	69.8	29.4	25.6	34.4	33.2	18.6	33.4	11.5	24.8	20.7	27.1	40.4	368.9	
1976	51.5	51.6	24.5	20.8	40.9	21.6	28.5	5.6	1.6	7.1	27.3	69.1	350.1	
1977	20.4	27.3	73.8	7.8	23.8	10.3	(15.4)	8.3	(7.0)	13.5	23.7	23.4	251.7	
1978	78.3	33.6	110.7	20.1	26.3	13.5	21.1	34.2	24.4	31.7	67.3	41.1	503.3	
1979	42.0	26.8	33.6	23.8	30.2	17.0	19.7	4.1	12.8	45.7	29.0	38.2	323.3	
1980	32.8	36.5	22.6	39.7	17.2	34.7	50.8	21.0	27.3					

(COPY)

L/5

17 December 1974

Mr E.T. Smith,
CONTEC,
P.O. Box 3174,
AUCKLAND.

Dear Mr Smith,

Seismological Zoning, Western Samoa

Samoa lies at the vertex of two vigorous systems of seismic activity, one extending south-westward through Tonga and the Kermadec Islands to New Zealand, the other in a more westerly direction through Fiji to the New Hebrides. These two systems form a great seismotectonic salient, marking the contact of the Indian and Pacific structural plates.

Large shallow earthquakes are common in both systems, many exceeding magnitude 7, and the largest reaching magnitude 8. The nearest of these, at $15\frac{1}{2}^{\circ}\text{S } 173^{\circ}\text{W}$ (about 200 km. south of Samoa) occurred on 1917 June 26 and had a magnitude of 8.3. It is possible that Samoa lies just outside the limit of occurrence of epicentres, but quite vigorous activity certainly extends to within 50 km of the islands, and the larger shocks have reached severely damaging intensities.

In view of these facts, there can be little doubt that ~~the~~ anti-seismic regulations for Western Samoa should be at least as stringent as these in New Zealand's "Zone A".

Yours faithfully,

(G.A. Elby)
for Superintendent

FOLLOWING ARE THE LIST OF SAMOA ISLANDS EARTHQUAKES AS
 FROM MAGNITUDE 6 AND OVER, EXTRACTED FROM THE APIA
 SEISMOLOGICAL RECORDS:

<u>DATES</u>	<u>MONTHS</u>	<u>YEARS</u>	<u>TIMES</u>	<u>MAG.</u>
26	June	1917	06:00	8.3
3	March	1956	00:06	6 $\frac{1}{2}$
28	January	1957	08:17	6 $\frac{1}{2}$
14	April	1957	19:19	7
31	March	1959	07:21	6
12	April	1959	20:55	6 $\frac{1}{2}$
30	March	1961	08:50	6
20	April	1961	23:40	6 $\frac{1}{2}$
8	October	1963	00:17	6
11	March	1968	08:27	6
20	April	1968	12:26	6 $\frac{1}{2}$
6	October	1968	08:48	6
9	October	1968	03:39	6
7	August	1972	09:25	6
27	September	1972	09:12	5.9
22	December	1972	16:23	6
18	March	1974	10:56	6
21	December	1974	08:29	6
9	December	1975	09:14	6
26	December	1975	15:56	6.4
11	February	1976	21:44	6
2	April	1977	07:15	6
17	July	1978	13:26	6

3. Capacity of Septic Tank

A septic tank should provide sufficient volume for sludge storage and sedimentation. Inlets and outlets must be baffled to avoid disturbing the tank contents, especially the scum which forms on the surface.

3.1 Capacity of Septic Tank. The septic tank shall have a capacity of approximately that calculated in accordance with Table 3.1 consisting of basal sludge storage plus estimated peak daily flow:

Table 3.1 Capacity of Septic Tank

Contributing Source	Septic Tank Capacity = Sludge Storage + Daily Flow
Houses .. .. .	.. Allow for minimum of 5 persons/house
W.C. waste only .. .. .	.. 1500 litres + 50 litres/person
W.C. and kitchen .. .. .	.. 1650 litres + 65 litres/person
All wastewater .. .. .	.. 2000 litres + 200 litres/person
Flats, Units and Residential Homes .. .. .	.. 2000 litres + 200 litres/person
Hospitals .. .. .	.. 3000 litres + 750 litres/patient bed, flow figure includes laundry wastes
Hotels and Motels .. .. .	.. 3000 litres + 200 litres/guest. For bar trade add 50 litres/casual where glass washing machines are installed.
Camping Park .. .. .	.. 2000 litres + 500 litres/site
Cabarets and Restaurants .. .. .	.. 2000 litres + 35 litres/person grease trap equal to 10 litres/seat
Factories, Offices and Shops .. .. .	.. 2000 litres + 30 litres/employee shower wastes add 50 litres/person
Schools .. .. .	.. 2000 litres + 20 litres/student shower wastes add 50 litres/person
Public Buildings .. .. .	.. 2000 litres + 15 litres/person
Swimming Centres .. .. .	.. 2000 litres + 10 litres/swimmer
Recreational Areas .. .. .	.. 2000 litres + 5 litres/person
Shopping Centres .. .. .	.. 2000 litres + 1 litre/square metre of retail floor area

3.2 Tank Proportions. The ideal ratio of length to width for a single chamber tank or the first chamber of a two chamber tank is 3 to 1, but shall not be less than 1.5 to 1. For all tanks in excess of 2000 litres capacity subdivision into a large first and a small second chamber at a ratio of 2 to 1 is recommended. The depth of sewage in a septic tank shall be not less than 1 m for a 2000 litre tank and proportionately more for larger tanks as shown in Table 4.2.

3.3 Sink Garbage Grinders. Garbage grinders are not recommended for use with septic tanks or sewage treatment plants. For domestic installations an additional allowance of 50% shall be made for sludge storage and water usage where garbage grinders are installed.

3.4 Grease Traps. Grease traps are not normally recommended except on waste pipes from large kitchens at hospitals, hotels, motels and restaurants.

4. Construction of Septic Tank

4.1 Installation Loads. All septic tanks shall be designed and constructed so that there will be no structural failure or undue distortion under hydrostatic pressure when empty or full and be protected from any other likely imposed loading.

4.2 Cast-in-situ Concrete Septic Tank. All septic tanks cast-in-situ shall be structurally sound, smooth internally and water tight. Recommended dimensions and sizes are shown in Table 4.2.

Table 4.2 Details of Cast-in-situ Concrete Septic Tanks

Capacity of tank in litres	Suitable Dimensions in millimetres				Steel Fabric Reinforcement		Concrete Thickness in millimetres		
	a	b	c	d	R _w	R _r	Walls	Roof	Floor
2000	2400	1000	900	1000	F62	F41	100	75	100
3000	2600	1000	1000	1000	F62	F41	100	75	100
4000	2200	1100	1100	1100	F72	F62	100	100	125
5000	2400	1200	1200	1200	F72	F62	100	100	125
10000	3000	1500	1500	1500	F82	F82	125	125	150
15000	3400	1700	1700	1750	F82	F92	150	150	150
20000	3800	1900	1900	1900	F92	F92	150	150	200

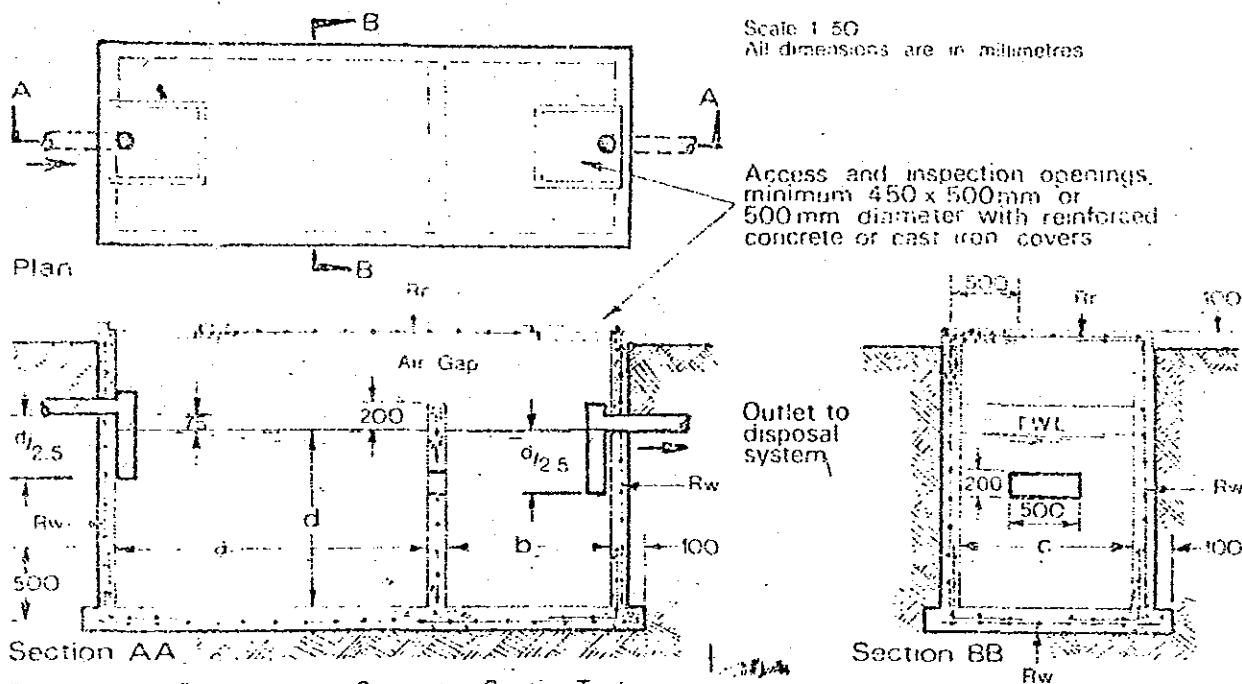
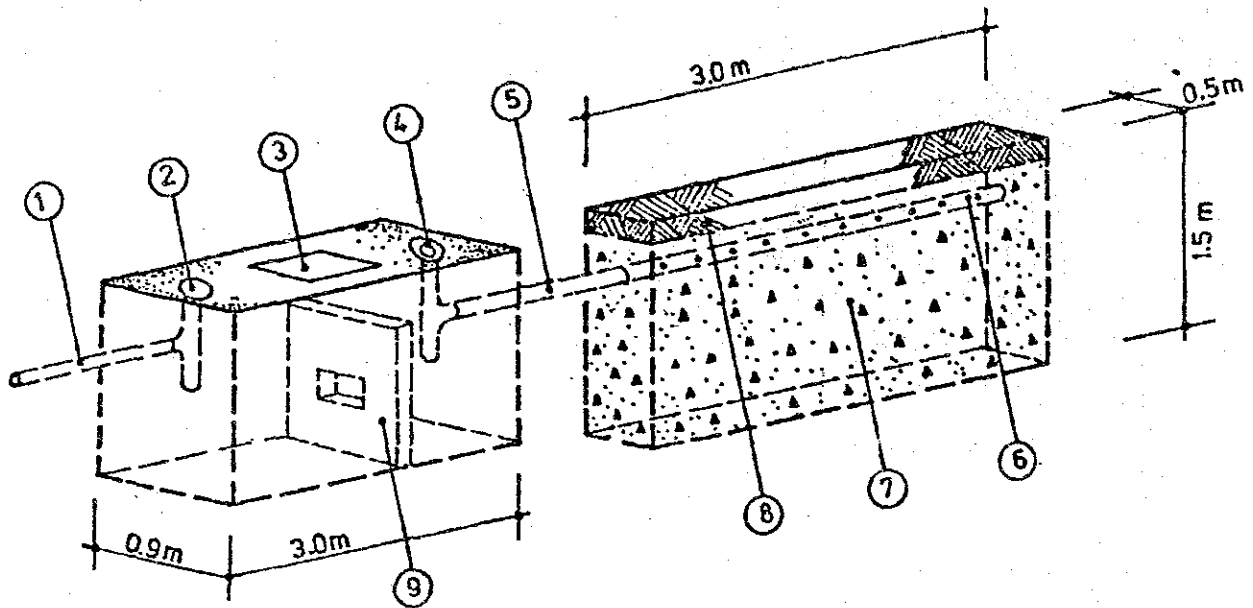


Figure 4.2 Cast-in-situ Concrete Septic Tank

4.3 Brick Septic Tanks. Rectangular brick septic tanks shall be constructed in-situ from clay, concrete or sand-lime building bricks or blocks. The floor of the tanks shall be reinforced concrete not less than 150 mm thick, and the cover to the reinforcement shall be not less than 40 mm. The walls of the tank shall be not less than 200 mm thick and shall be rendered smooth internally with a proprietary waterproof mortar or a 1:1:6 cement, lime, sand render 15 mm thick. The depth of a 200 mm brick wall tank shall not exceed 1250 mm.

4.4 Pre-cast Concrete Septic Tanks. All domestic precast concrete septic tanks shall conform to Australian Standard 1546, Specification and Code for Small Septic Tanks. Steel reinforcement shall have a minimum concrete cover of 20 mm.

4.5 Reinforced Plastic (Fibreglass) Septic Tanks. All reinforced plastic septic tanks shall conform to Australian Standard 1546 and shall be installed in accordance with that Code.



SOAKAGE TRENCH

SEPTIC TANK

- 1 INLET
- 2 SEALED CAP OVER INLET
- 3 ACCESS FOR CLEANING
- 4 SEALED CAP OVER OUTLET
- 5 OUTLET
- 6 100mm DIAMETER PVC PIPE LAID HORIZONTAL WITH 12mm HOLES DRILLED ALONG ITS LENGTH (3 HOLES EVERY 200mm)
- 7 TRENCH FILLED WITH 20mm STONE CHIPS
- 8 TOPSOIL
- 9 DIVIDING WALL

19 x 3g 1 x 2	5k 1 x 3	90 1 x 4	70 1 x 6
1 x 2 x 6 = .39 1 x 2 x 8 = .51 1 x 2 x 10 = .64 1 x 2 x 12 = .96 1 x 2 x 14 = 1.11 1 x 2 x 16 = 1.27 1 x 2 x 18 = 1.50	1 x 3 x 6 = .58 1 x 3 x 8 = .78 1 x 3 x 10 = .97 1 x 3 x 12 = 1.44 1 x 3 x 14 = 1.68 1 x 3 x 16 = 1.92 1 x 3 x 18 = 2.25	1 x 4 x 6 = .78 1 x 4 x 8 = 1.03 1 x 4 x 10 = 1.30 1 x 4 x 12 = 1.92 1 x 4 x 14 = 2.34 1 x 4 x 16 = 2.56 1 x 4 x 18 = 3.00	1 x 6 x 6 = 1.17 1 x 6 x 8 = 1.56 1 x 6 x 10 = 1.95 1 x 6 x 12 = 3.18 1 x 6 x 14 = 3.71 1 x 6 x 16 = 4.24 1 x 6 x 18 = 4.95
140 1 x 8	240 1 x 10	290 1 x 12	2 x 2
1 x 8 x 6 = 1.60 1 x 8 x 8 = 2.13 1 x 8 x 10 = 2.67 1 x 8 x 12 = 4.24 1 x 8 x 14 = 4.95 1 x 8 x 16 = 5.65 1 x 8 x 18 = 6.60	1 x 10 x 6 = 2.00 1 x 10 x 8 = 2.66 1 x 10 x 10 = 3.34 1 x 10 x 12 = 5.90 1 x 10 x 14 = 6.89 1 x 10 x 16 = 7.87 1 x 10 x 18 = 8.85	1 x 12 x 6 = 2.40 1 x 12 x 8 = 3.20 1 x 12 x 10 = 4.00 1 x 12 x 12 = 7.08 1 x 12 x 14 = 8.26 1 x 12 x 16 = 9.44 1 x 12 x 18 = 10.62	2 x 2 x 6 = .78 2 x 2 x 8 = 1.03 2 x 2 x 10 = 1.30 2 x 2 x 12 = 1.92 2 x 2 x 14 = 2.34 2 x 2 x 16 = 2.56 2 x 2 x 18 = 3.00
2 x 3	2 x 4	2 x 6	2 x 8
2 x 3 x 6 = 1.17 2 x 3 x 8 = 1.56 2 x 3 x 10 = 1.95 2 x 3 x 12 = 2.88 2 x 3 x 14 = 3.36 2 x 3 x 16 = 3.84 2 x 3 x 18 = 4.50	2 x 4 x 6 = 1.57 2 x 4 x 8 = 2.08 2 x 4 x 10 = 2.60 2 x 4 x 12 = 3.84 2 x 4 x 14 = 4.47 2 x 4 x 16 = 5.11 2 x 4 x 18 = 6.00	2 x 6 x 6 = 2.34 2 x 6 x 8 = 3.12 2 x 6 x 10 = 3.90 2 x 6 x 12 = 6.36 2 x 6 x 14 = 7.42 2 x 6 x 16 = 8.48 2 x 6 x 18 = 9.54	2 x 8 x 6 = 3.20 2 x 8 x 8 = 4.27 2 x 8 x 10 = 5.34 2 x 8 x 12 = 8.48 2 x 8 x 14 = 9.90 2 x 8 x 16 = 11.30 2 x 8 x 18 = 13.20
2 x 10	2 x 12	1 x 4 T&G	1 x 6 T&G & Run
2 x 10 x 6 = 4.00 2 x 10 x 8 = 5.33 2 x 10 x 10 = 6.66 2 x 10 x 12 = 11.80 2 x 10 x 14 = 13.76 2 x 10 x 16 = 15.73 2 x 10 x 18 = 17.70	2 x 12 x 6 = 4.80 2 x 12 x 8 = 6.40 2 x 12 x 10 = 8.00 2 x 12 x 12 = 14.16 2 x 12 x 14 = 16.52 2 x 12 x 16 = 18.88 2 x 12 x 18 = 21.24	1 x 4 x 6 = .78 1 x 4 x 8 = 1.05 1 x 4 x 10 = 1.31 1 x 4 x 12 = 2.00 1 x 4 x 14 = 2.34 1 x 4 x 16 = 2.68 1 x 4 x 18 = 3.12	1 x 6 x 6 = 1.32 1 x 6 x 8 = 1.75 1 x 6 x 10 = 2.20 1 x 6 x 12 = 3.18 1 x 6 x 14 = 3.71 1 x 6 x 16 = 4.24 1 x 6 x 18 = 4.77
1 x 8 RUSTIC 1 x 8	3 x 4	4 x 4	3 x 6
1 x 8 x 6 = 1.76 1 x 8 x 8 = 2.36 1 x 8 x 10 = 2.94 1 x 8 x 12 = 4.24 1 x 8 x 14 = 5.66 1 x 8 x 16 = 6.36 1 x 8 x 18 = 6.36	3 x 4 x 6 = 4.80 3 x 4 x 8 = 6.40 3 x 4 x 10 = 8.00 3 x 4 x 12 = 9.60 3 x 4 x 14 = 11.20 3 x 4 x 16 = 12.80 3 x 4 x 18 = 14.40	4 x 4 x 6 = 6.40 4 x 4 x 8 = 8.53 4 x 4 x 10 = 10.68 4 x 4 x 12 = 12.80 4 x 4 x 14 = 14.94 4 x 4 x 16 = 17.07 4 x 4 x 18 = 19.20	3 x 6 x 6 = 7.20 3 x 6 x 8 = 9.60 3 x 6 x 10 = 12.00 3 x 6 x 12 = 14.40 3 x 6 x 14 = 16.80 3 x 6 x 16 = 19.20 3 x 6 x 18 = 21.60
	4 x 6		
	4 x 6 x 6 = 9.60 4 x 6 x 8 = 12.30 4 x 6 x 10 = 16.00 4 x 6 x 12 = 19.20 4 x 6 x 14 = 22.40 4 x 6 x 16 = 25.60 4 x 6 x 18 = 28.80		

source: Apia 市内材木店 Oct '80

APIA CONCRETE PRODUCTS LIMITED

PRICE LIST

(Effective 6/10/80)

<u>BLOCK NO.</u>	<u>SIZE</u>	<u>TYPE</u>	<u>UNIT PRICE</u>
397s	4x12x12	Screen Block	\$.83 each
406s	4x12x12	Screen Block	.83
407s	4x12x12	Screen Block	.83
408s	4x12x12	Screen Block	.83
409s	4x12x12	Screen Block	.83
500s	4x12x12	Screen Block	.83
•801	8x8x16	Standard Block	1.00
•802	8x8x8	Half Block	.65
•803	8x8x16	Standard Plain Block	1.00
•805	8x8x16	Open End Block	1.00
808	8x8x8	Sill Block	.60
•814	8x8x16	Bond Beam (Knock out Block)	1.00
•833	8x8x16	Corner Block (Column)	1.00
•834	8x8x16	C Column Block	1.00
•835	8x8x16	H Column Block	1.00
867	8x8x8	Plain End Half Block	.65
•830	8x8x16	Standard Column Block	1.00
810	8x8x8	1/2 Rebate Block	.65
811	8x8x8	Combination Lintel	.65
809	8x8x16	Rebate Block	1.00
818	8x8x4	1/4 Block	.50
819	8x8x12	3/4 Block	.80
8402	8x4x8	Half Block	.45
8403	8x4x16	Half High Block (Standard)	.65
8430	8x4x16	Column Block	.65
601	6x8x16	Standard Block	.87
602	6x8x8	Half Block	.60
603	6x8x16	Corner Block	.90
604	6x8x16	Standard Plain End Block	.87
614	6x8x16	Bond Beam (Knock out Block)	.87
6401	6x4x16	Standard Block	.55
6402	6x4x8	Half Block	.40
6403	6x4x16	Corner Block	.82
6404	6x8x16	Standard Plain Block	.55
401	4x8x16	Standard Block	.75
402	4x8x8	Half Block	.60
403	4x8x16	Corner Block	.82
408	4x8x16	Sill Block	.50
217	2x8x16	Capping Block	.50
		Kerbing Block	2.80
	Aggregate (Ex Plant)		16.00 cyd.
	Manufactured Sand (Ex Plant)		8.80 "
	Crushed Coral (Ex Plant)		8.80 "
	Beach Sand - Washed & screened (Ex Plant)		8.50 "
	Top Soil - Unscreened/del. APIA area		3.00 "
	Spalls or Rocks		7.00 "
	Coral Fill - SPDC/Mulinuu		3.00 "
	Loader Hire (Plus Travelling Time Extra)		35.00 an hr.
	Truck Hire as per Agreement.		
	Standing Time		7.50 " "
	Per Mile		2.00 " "
	Hourly Rate		14.00 " "

source: Apia 市内 C B 製造会社

*** ** *** ** ***

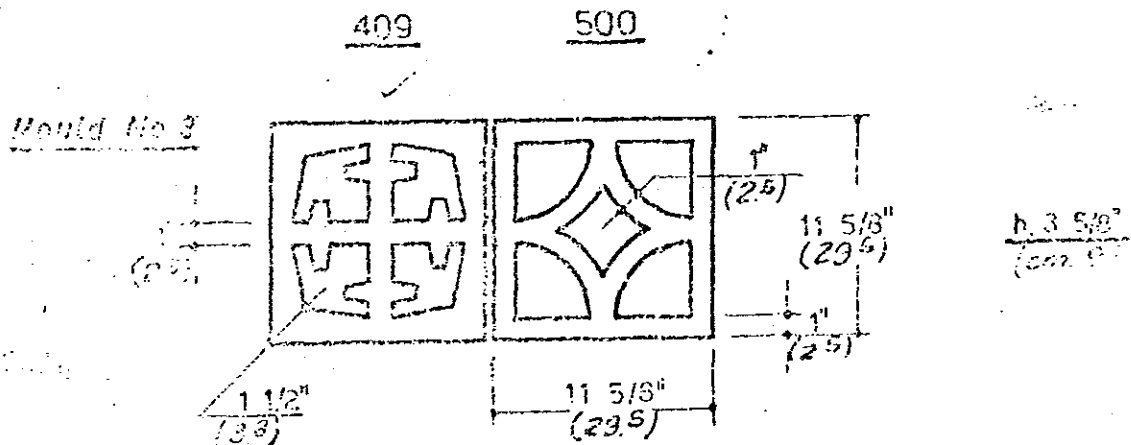
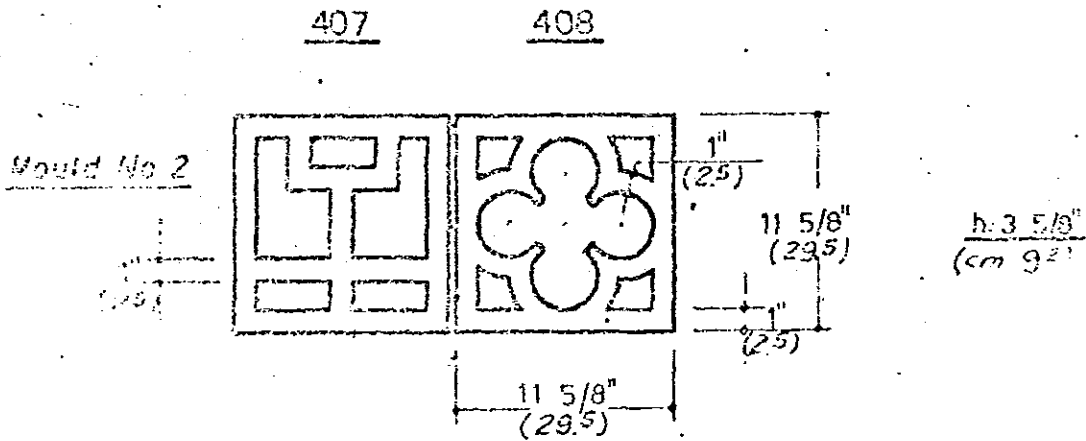
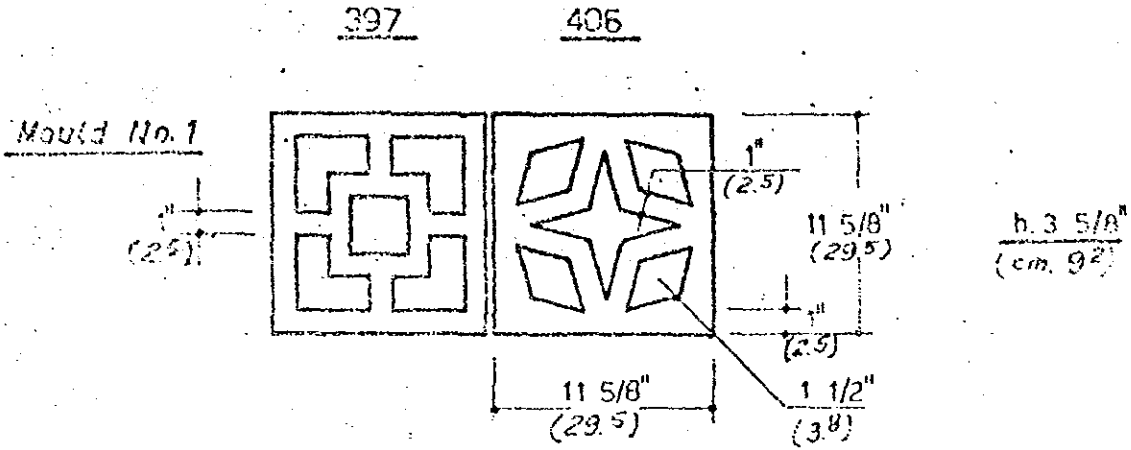
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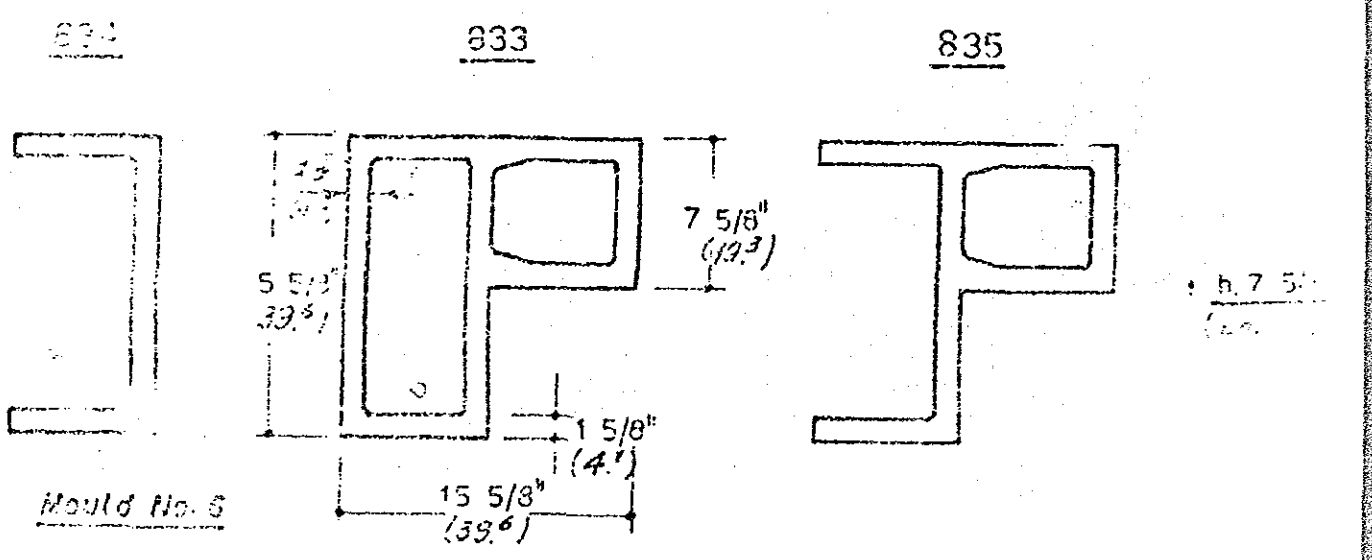
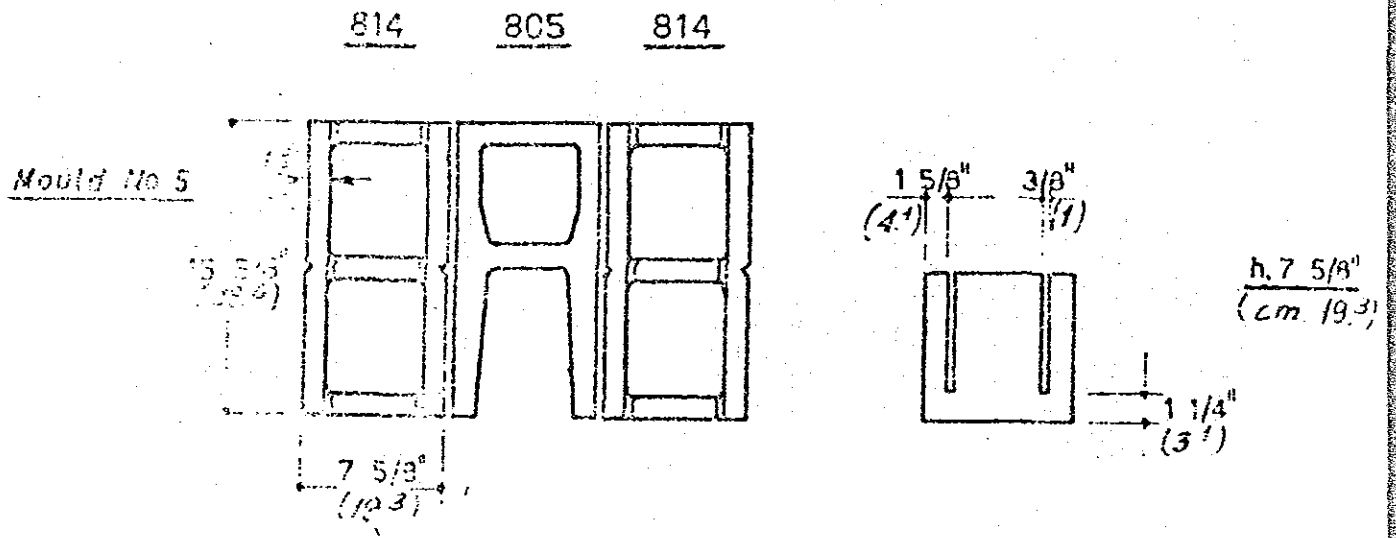
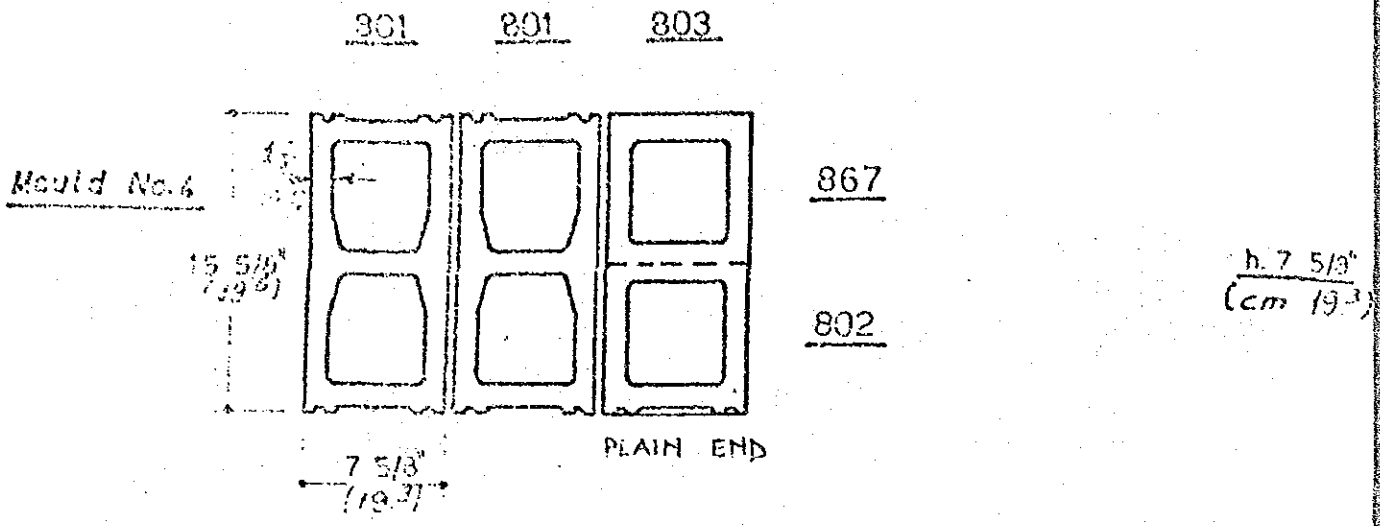
Apia Concrete Products Ltd,
Apia, Western Samoa

ROSACOMETTA - MILANO

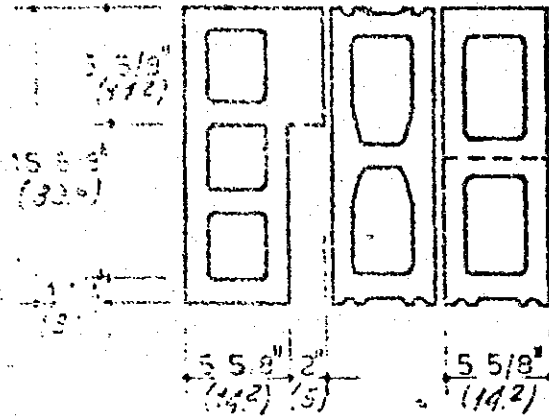
Series of concrete products manufactured by vibrocompression with

V. 6 TRIPLA





6403 6401 6404



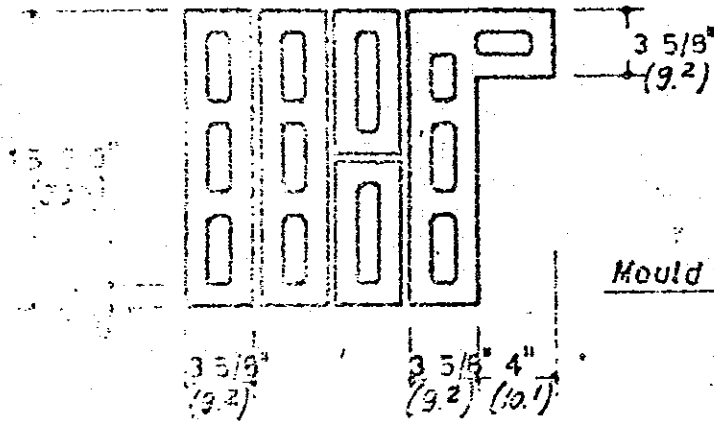
6402

6402

Mould No. 10

$\frac{h. 3 \frac{5}{8}''}{(cm. 9.2)}$

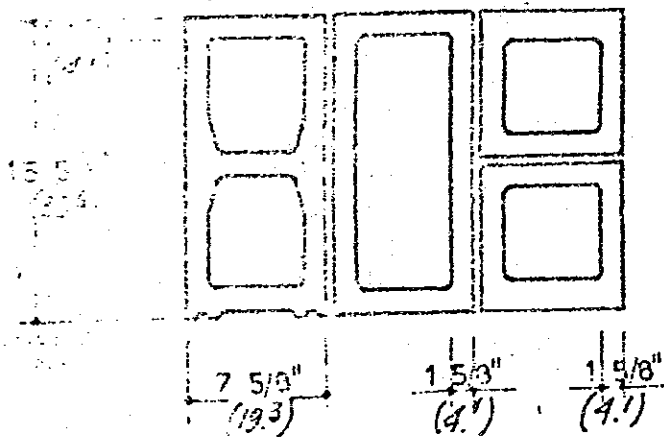
401 401 402 403



Mould No. 11

$\frac{h. 7 \frac{5}{8}''}{(cm. 19.3)}$

8403 8430



8402

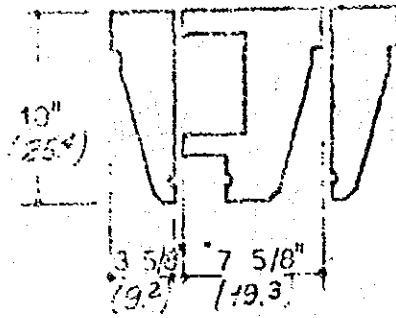
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Mould No. 12

$\frac{h. 3 \frac{5}{8}''}{(cm. 9.2)}$

408 808 408

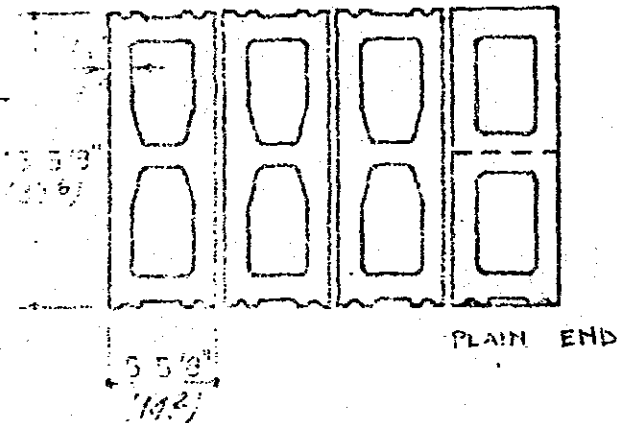
Mould No. 7



$h. 7 \frac{5}{8}''$
(cm. 19.3)

601 601 601 604

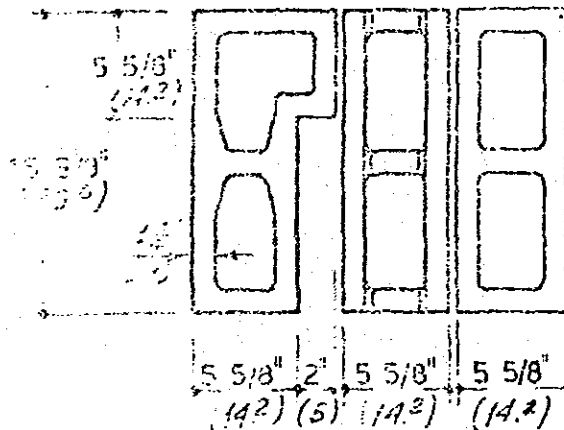
Mould No. 8



$h. 7 \frac{5}{8}''$
(cm. 19.3)

603 614 604

Mould No. 9



$h. 7 \frac{5}{8}''$
(cm. 19.3)

資料 36 輸 送 コ ス ト

船 賃

日 本 —— APIA (所要日数 約 20 日間)

	UNIT	UNIT CHARGE (US\$)	TOTAL CHARGE (US\$)
STEEL	TON	75.80	133.79
	M ³	68.00	120.02
CEMENT	TON	75.00	132.38
PAINT	M ³	157.45	277.90
GENERAC	TON	157.55	278.08
CARGO	M ³	142.75	251.95

TOTAL FREIGHT = UNIT CHARGE + BAF + CAF

BAF = UNIT CHARGE × 0.455

CAF = UNIT CHARGE × 0.31

但し、上記価格は1980年12月現在の単価。

(参 考) 現在迄の価格変動値

79 1月 9.1% UP

80 6月 5.5% UP

81 6月に価格改正の予定

APIA —— SALELOLOGA (所要時間 約 1.5 時間)

乗 用 車 18 タラ

大型貨物 34 タラ

普通貨物 24 タラ

資料 37 調査日程及調査概要

日順	月日	曜日	業 務 内 容	宿 泊 地
1	9/29	月	20:55 成 田 発 (JL775便)	機 内
2	9/30	火	AUKLAND 経由 15:15 WELLINGTON着 (NZ461便) 16:30 日本大使館訪問 小山田大使・川本書記官より西サモアの一般事情 説明を受ける	
3	10/1	水	9:30 日本大使館訪問 川本書記官と打合せ 1) 公電第914号付図面検討報告及建設費試算 2) 山岡協力隊員より西サモアの一般事情聴取 15:00 西サモア高等弁務官事務所 表敬訪問 HIGH COMMISSIONER VICE COMMISSIONER 川本書記官同行 21:10 WELLINGTON発 22:10 AUCKLAND着 (NE478便)	AUCKLAND
4	10/2 10/1	木 水	12:35 AUCKLAND 発 PAGO PAGO 経由 19:15 APIA 着 NEWZEALND 航空ストライキの為スケジュール変更	APIA
5	10/2	木	9:00 教育省 (DEPARTMENT OF EDUCATION) 訪問 教育大臣 (MINISTER OF EDUCATION: MIMIO FUIMAONO) 表敬 教育次官 (DIRECTOR OF EDUCATION: PEREFOTI TAMATI) に面会し、教育省の本件に対する考え方の 説明を受ける 同席者 Mr. UGAPO ULALE (PROJECT OFFICER) MS. TEO (LIBRARIAU) 12:00 TUPUOLA 首相表敬訪問 首相より本件プロジェクトに於いて AGRICULTURE ORIENTED FACILITIES の充実を考慮して欲しい旨 の発言があった。 同席者 Mr. FETURI ELISAIA (FOREIGN AFFAIR OFFICER) 14:00 Mr. UGAPO . Ms. TEO と協議 1) 無償資金供与のシステム説明 2) QUESTIONNAIRE 及び便宜供与要望首提出	APIA

日順	月日	曜日	業 務 内 容	宿 泊 地
6	10/3	金	FALEATA JUNIOR HIGH SCHOOL , VAIMAUNGA JUNIOR HIGH SCHOOL , NELSON MEHORIAL PUBLIC LIBRARY 見学並に資料収集	APIA
7	10/4	土	10:00 Mr. UGAPO 打合せ。教育関係資料受領 13:00 受領資料の検討及び内部協議	APIA
8	10/5	日	受領資料の検討及び内部協議	APIA
9	10/6	月	9:30 AVELE COLLEGE 訪問。現況施設及び整地予備調査 学校長 Mr. PAUL WALLWORK より事情聴取 P.M. TECHNICAL COLLEGE , SAMOA COLLEGE UNIVERSITY OF SOUTH PACIFIC:ALAFUA CAMPUS 見学 17:00 Mr. UGAPO とミニッツの内容について協議	APIA
10	10/7	火	8:30 APIA 発 飛行機にて9:00 SALELOLOGA 着 SALELOLOGA AGRICULTURAL COMPLEX 建設現場 見学 9:30 SALELOLOGA LIBRARY の敷地調査 (候補地 3ヶ所) 同行者 Mr. UGAPO , Ms. TEO Mr. FANAANA (P.M. OFFICER) 阿部隊員 (PUBLIC WORKS DEPT.)	SALELOLOGA
11	10/8	水	9:00 FAGAMALO JUNIOR HIGH SCHOOL 見学 10:00 VAIPOULI COLLEGE 訪問。現況施設及び整地予備調査 学校長 Mr. LOGDLOGO TAUZEALO より事情聴取 16:30 SALELOLOGA 発 飛行機にて17:00 APIA 着	APIA
12	10/9	木	10:00 教育省訪問 教育次官 Mr. TAMATI , Mr. UGAPO とミニッツの内容及び文案について協議 P.M. 合意に達し、ミニッツに署名	APIA
13	10/10	金	A.M. 熊岸団長帰途 公共事業省 (PUBLIC WORKS DEPARTMENT) 訪問 Mr. DEMITORY PERNO (CHIEF ARCHITECT)、岡部、 阿部両隊員より建設関係の一般事情について意見交換 P.M. NELSON MEMORIAL PUBLIC LIBRARY 訪問 Mr. TEO , Mrs. ERENOA PERNO (P. W. D. SENIOR ARCHITECT) 阿部隊員と SALELOLOGA LIBRARY の計 画について意見交換	APIA

日順	月日	曜日	業 務 内 容	宿 泊 地
14	10/11	土	A.M. APIA市内にて資料収集 P.M. Mr. UGAPO と今後のスケジュールについて協議	APIA
15	10/12	日	A.M. 中村団員帰途 建築計画立案	APIA
16	10/13	月	建築計画立案 内部打合せ	APIA
17	10/14	火	A.M. 公共事業省(P.W.D.)訪問 岡部・阿部両隊員と 現地工法・法規等について意見交換 P.M. AVELE COLLEGE 計画敷地調査 学校長と建築計画について協議	APIA
18	10/15	水	A.M. DEPT. OF LANDS , SURUEY & LAND REGISTRY OFFICE 訪問。VAIPOULI , AVELE SALELOLOGA 周辺の敷地資料収集 DEPT. OF STATISTICS 訪問。統計資料収集 P.M. 木材会社、コンクリートブロック製作工場、骨材採取所にて 建設事情調査及び資料収集 14:00 APIA 発 飛行機にて 14:30 SALELOLOGA 着 SALELOLOGA LIBRARY の第4敷地調査 WHARF にて海上輸送事情調査	SALELOLOGA
19	10/16	木	A.M. VAIPOULI COLLEGE 計画敷地調査、立地条件、環境 条件、土質調査等、学校長と建築計画について協議 16:00 SALELOLOGA 発 飛行機にて 16:30 APIA 着	APIA
20	10/17	金	A.M. 公共事業省(P.W.D.)訪問 SENIOR ARCHITECT と SALELOLOGA LIBRAY の平面 計画、工法等について意見交換 APIA 気象台 (MULINUU) にて気象データ資料収集 P.M. 収集資料整理	APIA
21	10/18	土	建築計画立案 図面作成	APIA
22	10/19	日	建築計画立案 図面作成	APIA
23	10/20	月	9:00 公共事業省(P.W.D.)訪問 CHIEF ARCHITECT に面会し、現地工法について意見	

日順	月日	曜日	業 務 内 容	宿 泊 地
			交換。 10:30 教育省 (DEPARTMENT OF EDUCATION) 訪問 教育次官 Mr. TAMATI に面会し、VAIPOULI COLLEGE AVELE COLLEGE 両校の配置計画図並に平面計画図、SALELOLOGA LIBRARY の平面計画図を提出 (ミニッツ ANNEX III) 説明する。 11:30 NELSON MEMORIAL PUBLIC LIBRARY 訪問 Ms. TEO と SALELOLOGA LIBRARY の敷地決定について意見交換 13:00 AVELE COLLEGE 訪問 SPORTS FIELD の敷地の確認調査を行う。	APIA
24	10/21 10/22	火 水	A.M. APIA 市内において補足資料の収集 15:15 APIA 発 (PH731便) 19:50 AUCKLAND 着 21:45 WELLINGTON 着 (大村) (NZ439便) (藪前・河田)	WELLINGTON AUCKLAND
25	10/23	木	9:00 日本大使館訪問 AUCKLAND 市内にて 小山田大使・川本書記官 資料収集 に面会し、ANNEX III を 提出、調査概要報告、今 後のスケジュール打合せ。 17:25 WELLINGTON 発 (NZ466便) 18:25 AUCKLAND 着	AUCKLAND
26	10/24	金	8:40 AUCKLAND 発 (TE 23便) 19:00 成田 着	

資料 38

関 係 者 一 覧 (LIST OF PERSONS CONCERNED)

MIMIO FUIMAONO	MINISTER OF EDUCATION
PEREFOTI TAMATI	DIRECTOR OF EDUCATION
UGAPO ULALE	PROJECT OFFICER, EDUCATION
PAULO TALAMAIVAO	SECRETARY, MINISTER OF EDUCATION
FETURI ELISAIA	FOREIGN AFFAIR OFFICER
MS TEO	LIBRARIAN, NELSON LIBRARY
PAUL WALLWORK	PRINCIPAL, AUELE COLLEGE
LOGDLOGO TAUZEALO	PRINCIPAL, UAIPOULI COLLEGE
DEMITORY PERNO	CHIEF ARCHITECT, P.W.D.
ERENOA PERNO	SENIOR ARCHITECT, P.W.D.
AKIRA ABE	ARCHITECT, P.W.D. (JOCV)
OKADA	" "
<hr/>	
TAKASHI OYAMADA	AMBASSADOR OF JAPAN
HIROSHI HASHIMOTO	COUNCILOR, EMBASSY OF JAPAN(AUCKLAND)
JUNICHI KAWAMOTO	SECRETARY, EMBASSY OF JAPAN (AUCKLAND)

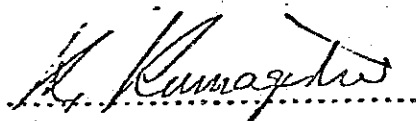
II 討議議事録 (ミニッツ)

AGREED MINUTES OF DISCUSSIONS

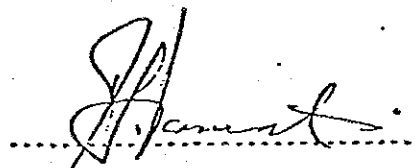
In response to the request made by the Government of Western Samoa for the Educational Development Project in Western Samoa (hereinafter referred to as "the Project"), the Government of Japan has sent, through the Japan International Co-operation Agency (hereinafter referred to as "JICA"), a team headed by Mr KENJI KUMAGISHI, JICA to conduct a basic design survey for 21 days from October 1st. The team had a series of discussions and exchanged views with the authorities concerned.

Both parties have agreed to recommend to their respective Government to examine the results of the survey attached herewith toward the realization of the Project.

8 OCTOBER, 1980



KENJI KUMAGISHI
TEAM LEADER
THE JAPANESE SURVEY TEAM



PEREFOTI F. TAMATI
DIRECTOR OF EDUCATION
GOVERNMENT OF WESTERN SAMOA

MINUTES

1. The proposed sites of the Project will be in the Vaipouli College, in the Avela College and in Salelologa.
2. The objectives of the Project is to provide necessary buildings, facilities and equipment for upgrading of the Vaipouli College and the Avela College at the Project Sites, and a library at the Salelologa site.

These buildings and facilities are to be used for the promotion and stabilization of secondary education with special emphasis on agricultural, technical and vocational areas within the education system in Western Samoa, and to provide library facilities for the Savaii public:

3. The Japanese Survey Team will convey the desire of the government of Western Samoa to the government of Japan that the latter will take necessary measures to co-operate in implementating the Project and will provide the buildings and other items as listed in Annex I within the scope of Japanese economic co-operation in grant form.

The Plot Plan and the Plan for discussion are shown in Annex III.

4. The Government of Western Samoa will take necessary measures on condition that the grant assistance by the government of Japan is extended to the Project:
 - a) to provide data and information necessary for the design and the construction.
 - b) to secure lands necessary for the construction.
 - c) to clear and level the Project Sites before the start of the construction
 - d) to provide other items listed in Annex II
 - e) to ensure prompt unloading and customs clearance in Western Samoa of imported materials and equipment for the construction. And also to facilitate the internal transportation for them .
 - f) to exempt Japanese nationals concerned from customs duties, internal taxes and other fiscal levies which may be imposed in Western Samoa on the occasion of the supply of goods and services for construction
 - g) to provide and accord necessary permissions, licences and other authorization required for carrying out the Project.

ANNEX I

Items requested by the government of Western Samoa whose cost will be born by the Government of Japan, and the priority order is shown in parentheses.

1. Buildings and Facilities

- a) Center for Pro-vocational Courses in the Vaipouli College (1)
(The Centre is a combined building of Agricultural Science Laboratory, Manual Arts/Home Science Block and a classroom)
- b) Agricultural Science and Biology Laboratory in the Avele College. (2)
- c) Hostel Dormitory in the Avele College (3)
- d) Library in Salelologa (3)
- e) Sports Field in the Avele College (4)

2. Equipment

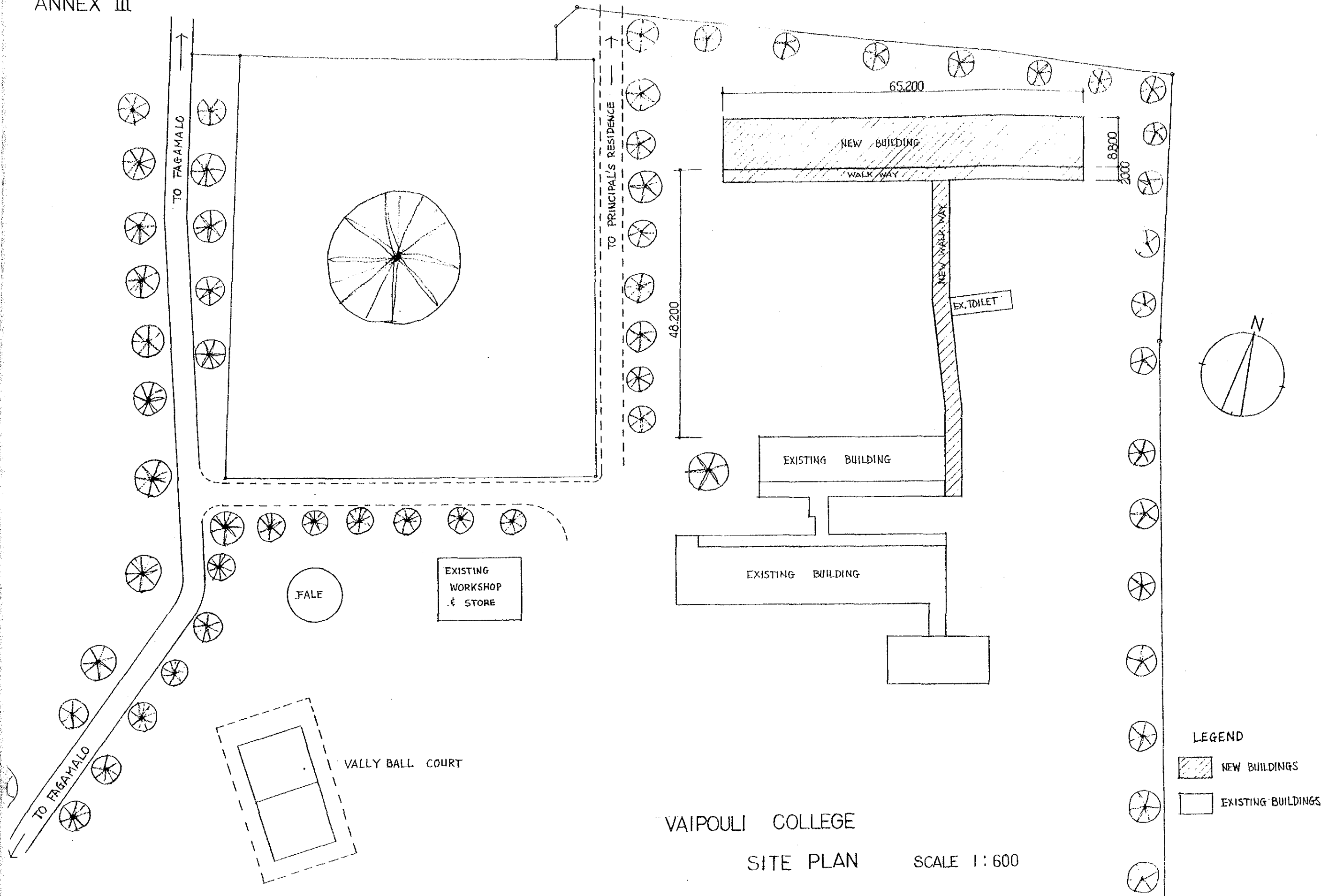
- a) One Generator (50-60 KVA) in Vaipouli College (1)
- b) 20 typewriters for Vaipouli College (2)
- c) One Bus (30-40 passenger capacity) for Avele College (3)
- d) One Bus (30-40 passenger capacity) for Vaipouli College (3)

ANNEX II

Items whose cost will be born by the Government of Western Samoa

- 1) Water supply mains to the Project Site
- 2) External drainage and sewage line to the Project Site
- 3) Electrical power main line to the Project Site
- 4) Telephone lines and equipment
- 5) Exterior Facilities & Lanscaping
- 6) Provision of space necessary for such construction as temporary office, working area, stock yards, and others.
- 7) Item 1), 3) shall be completed prior to site Works

ANNEX III

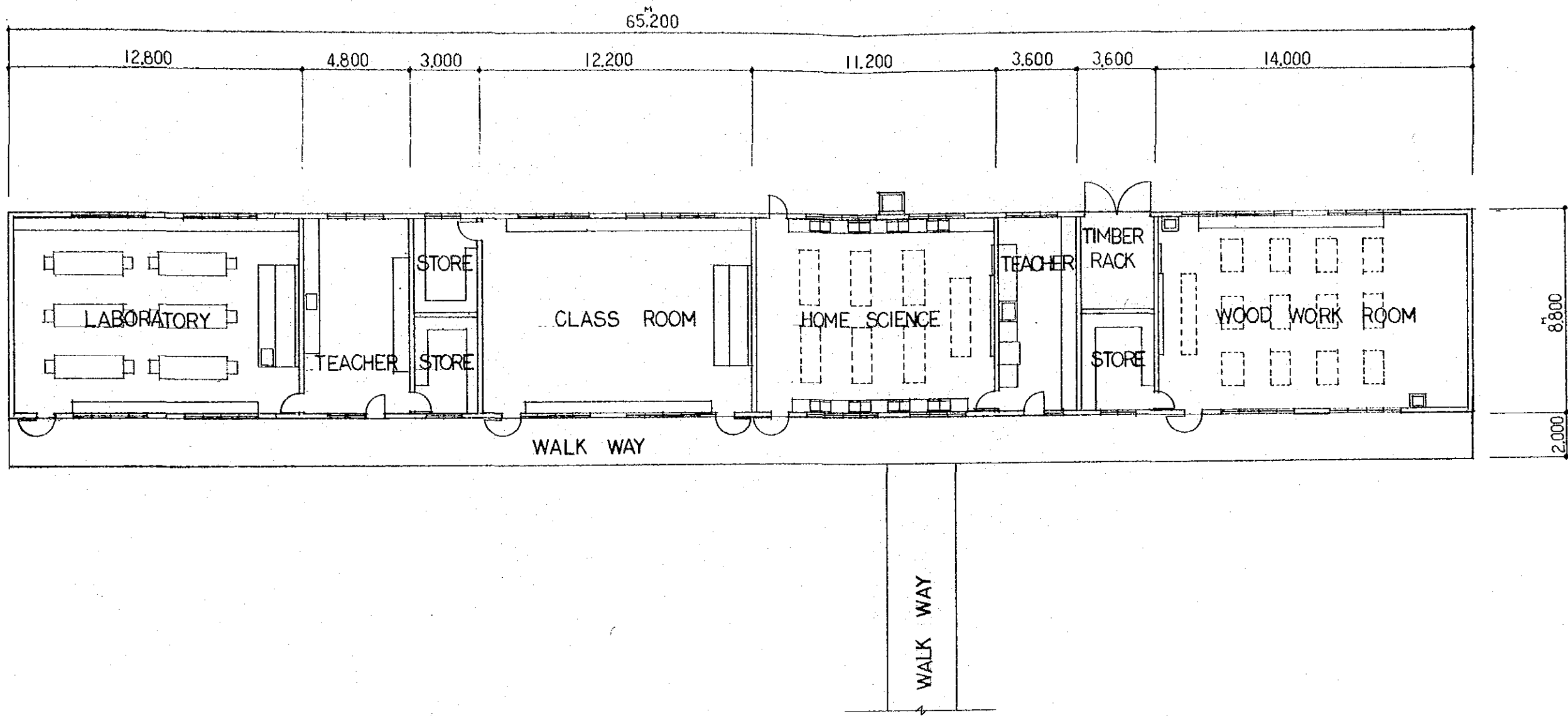


VAIPOULI COLLEGE

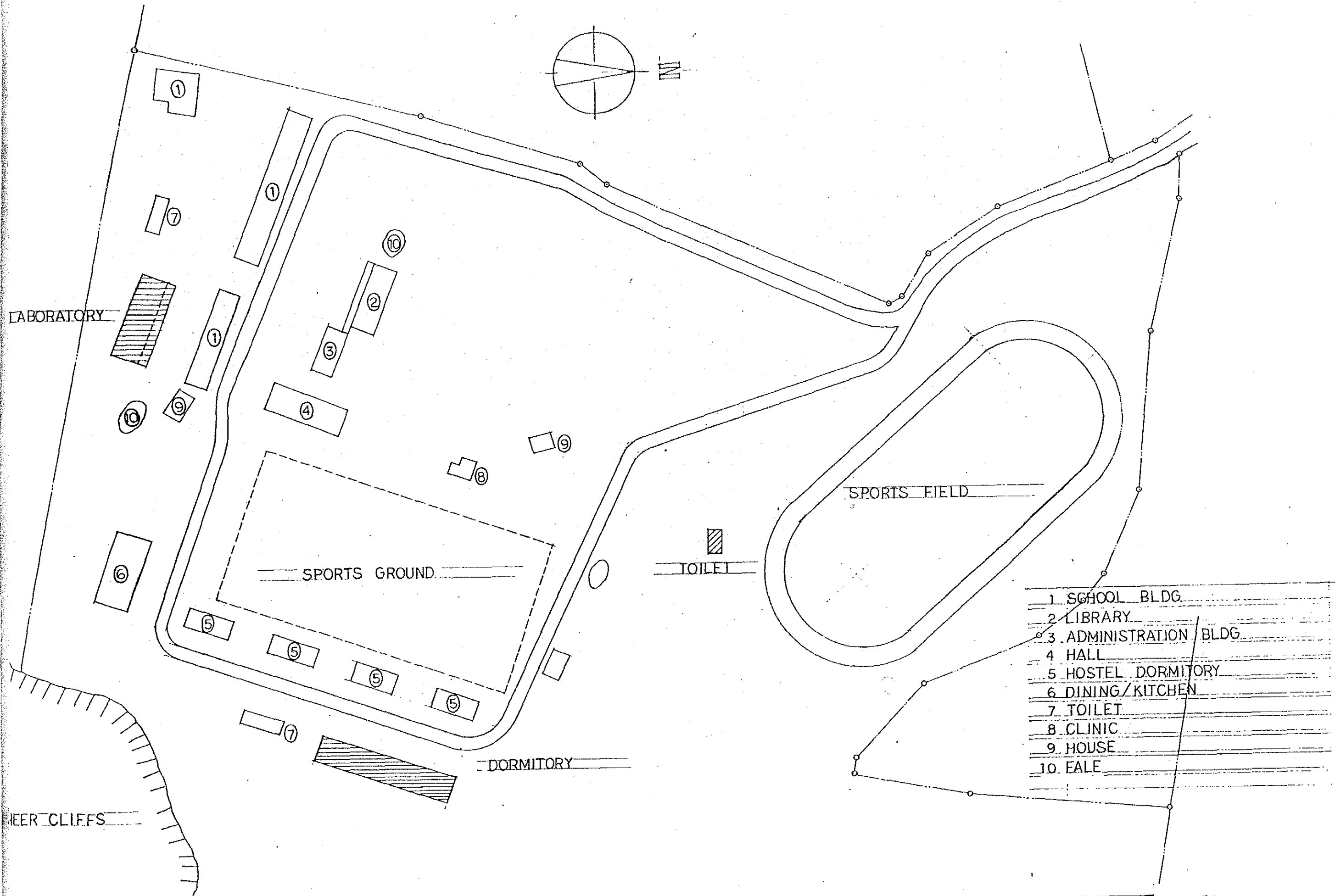
SITE PLAN

SCALE 1:600

- LEGEND
- NEW BUILDINGS
 - EXISTING BUILDINGS

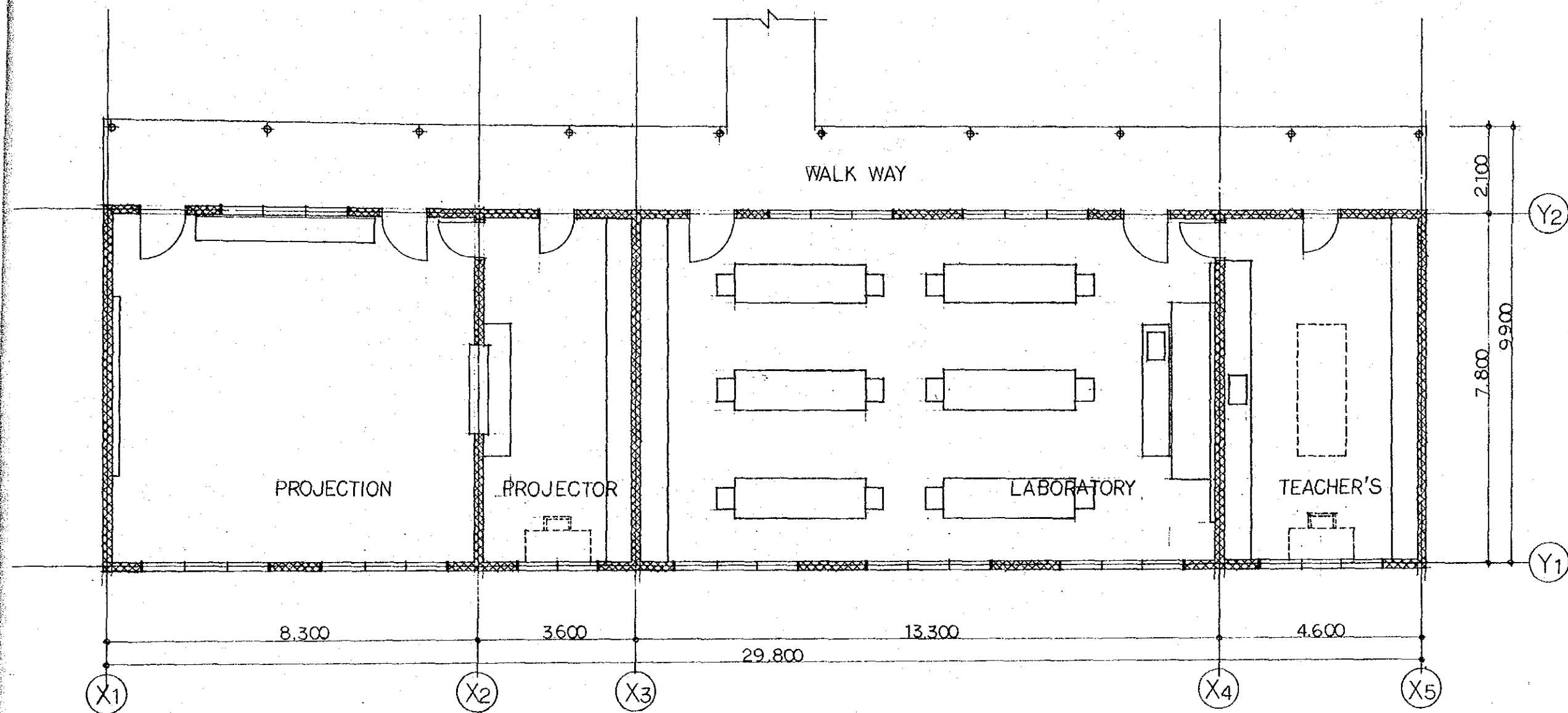


VAIPOULI COLLEGE
 NEW BUILDING PLAN SCALE 1:200

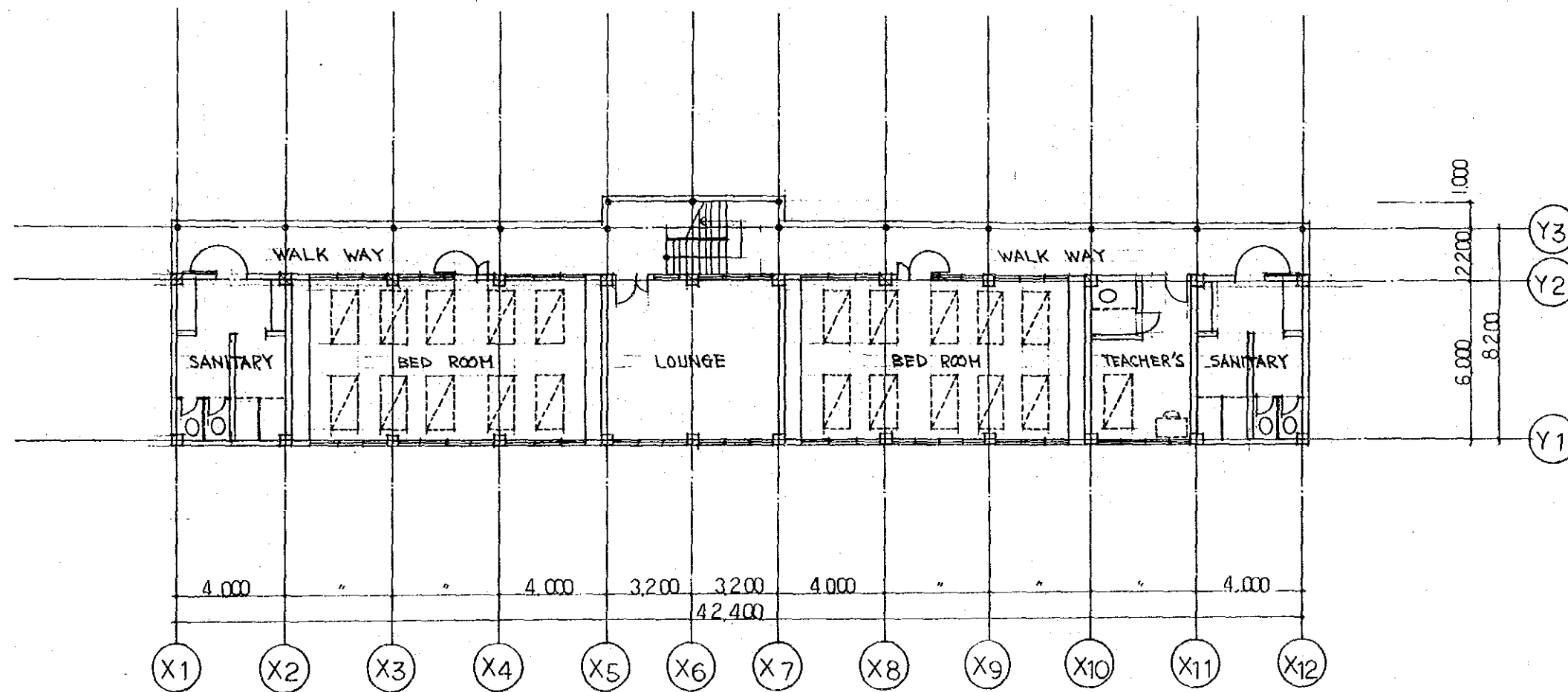


- 1 SCHOOL BLDG
- 2 LIBRARY
- 3 ADMINISTRATION BLDG
- 4 HALL
- 5 HOSTEL DORMITORY
- 6 DINING/KITCHEN
- 7 TOILET
- 8 CLINIC
- 9 HOUSE
- 10 FALE

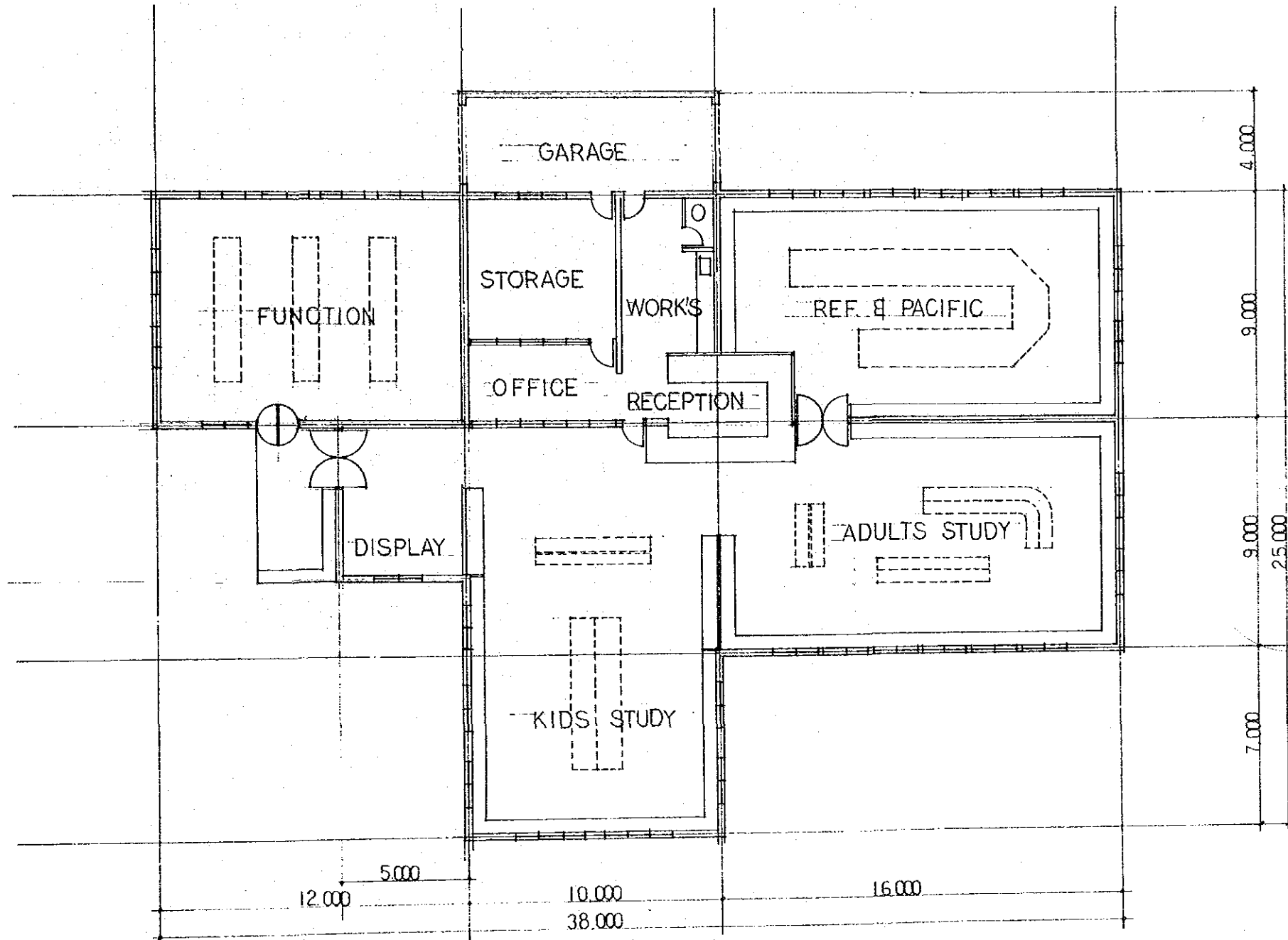
AVELE COLLEGE SITE PLAN S. 1:1250



AVELE COLLEGE - AGRICULTURAL SCIENCE / BIOLOGY LABORATORY PLAN S. 1:100



AVELE COLLEGE - DOUBLE STORY HOSTEL DORMITORY PLAN S, 1:200



SALEOLOGA LIBRARY PLAN S, 1:200

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地 図

Islands of Sámoa

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