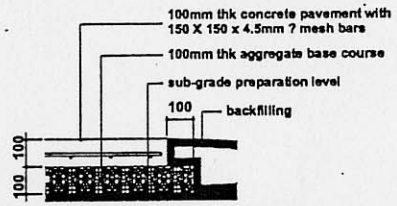
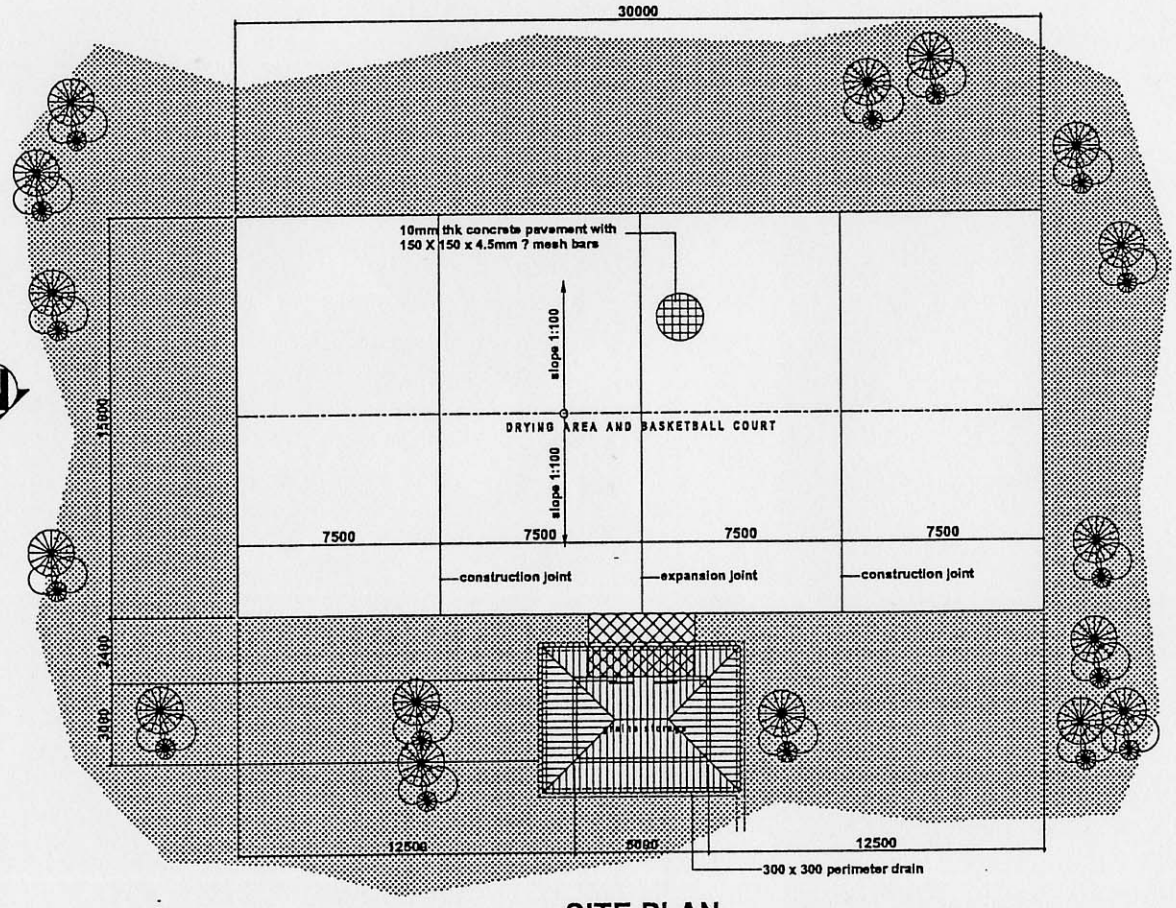


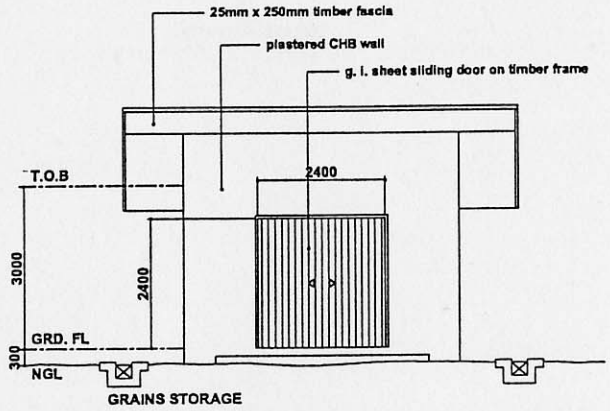
TYPICAL PAVEMENT DETAIL

SCALE 1 : 20 MTS



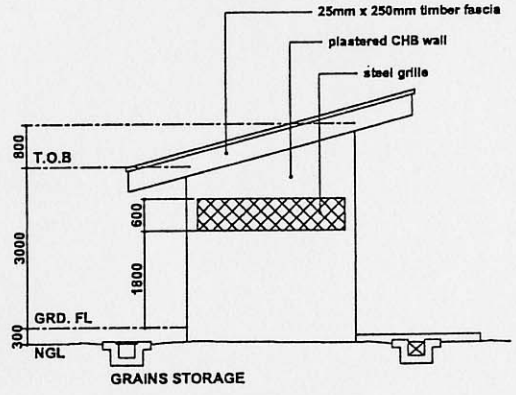
SITE PLAN

SCALE 1 : 200 MTS



FRONT ELEVATION

SCALE 1 : 100 MTS

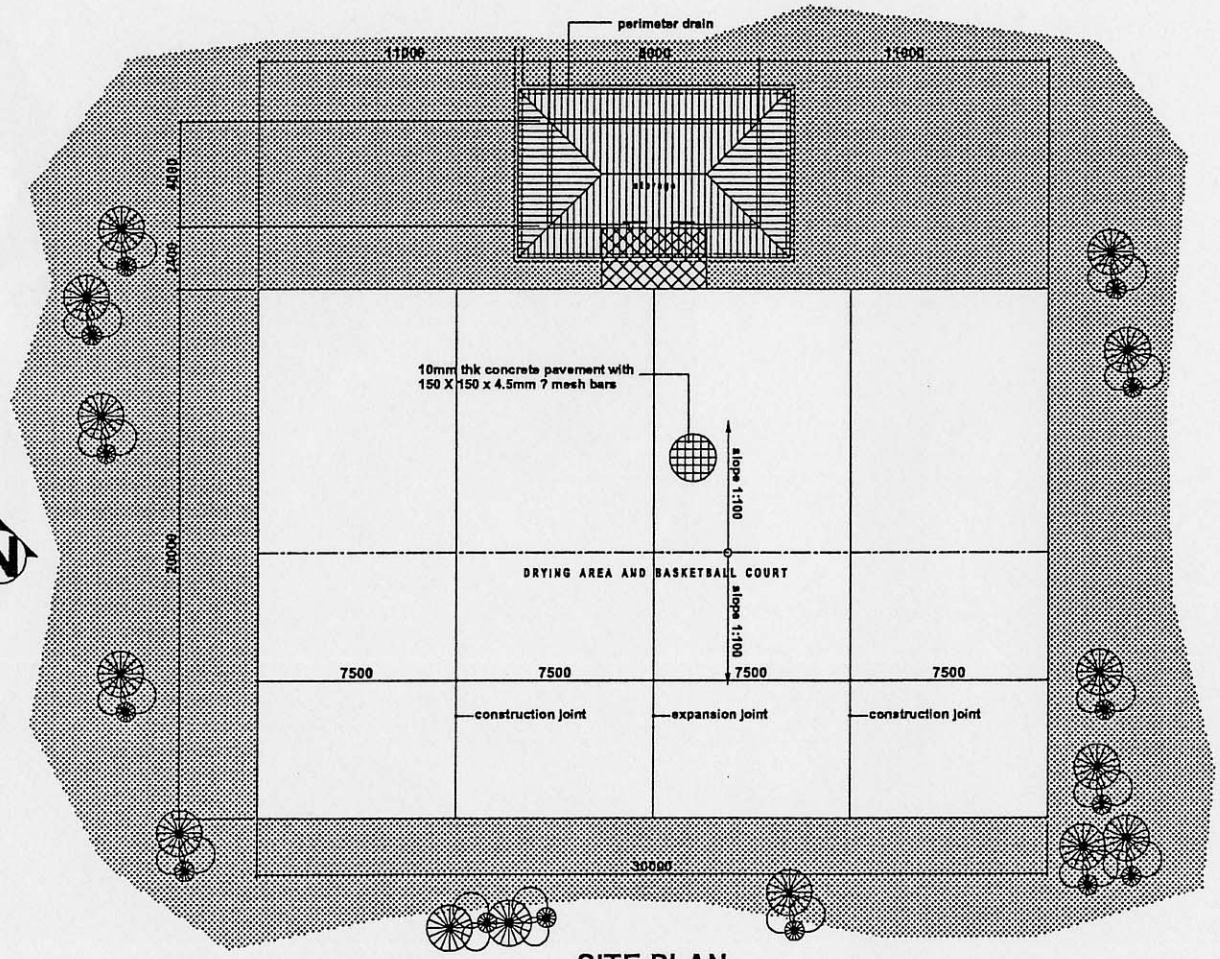


SIDE ELEVATION

SCALE 1 : 100 MTS

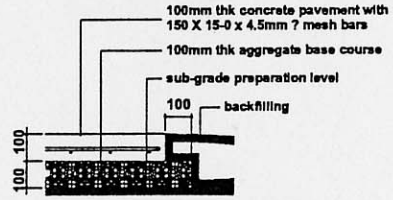
Figure 2-3 General View of Multipurpose Dryer(Marangog Area)

CLIENT	CONSULTANT	PROJECT		SCALE	CONTENTS	SHEET NO.
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SANYU CONSULTANT INC. (SCI) KATAHIRA & ENGINEERS INTERNATIONAL (KEI)	BASIC DESIGN STUDY ON THE DEVELOPMENT OF AGRARIAN REFORM COMMUNITIES IN MARGINAL AREAS IN THE REPUBLIC OF THE PHILIPPINES		0 1 2 3 4 1 : 200	GRAINS DRYING AREA AND STORAGE MARANGOG, HILONGOS CITY, LEYTE SITE PLAN AND ELEVATIONS	1/2



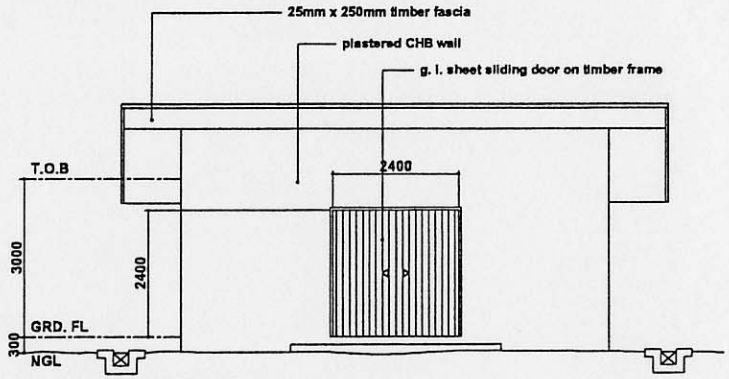
SITE PLAN

SCALE 1 : 200 MTS



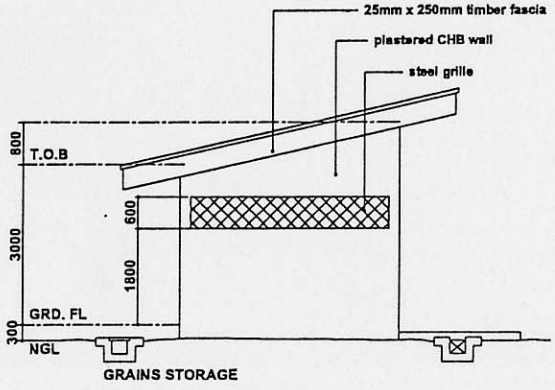
TYPICAL PAVEMENT DETAIL

SCALE 1 : 20 MTS



FRONT ELEVATION

SCALE 1 : 100 MTS



SIDE ELEVATION

SCALE 1 : 100 MTS

Figure 2-4 General View of Multipurpose Dryer(Silae-Dalacutan Area)

CLIENT	CONSULTANT	PROJECT		SCALE	CONTENTS	SHEET NO.
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SANYU CONSULTANT INC. (SCI) KATAHIRA & ENGINEERS INTERNATIONAL (KEI)	BASIC DESIGN STUDY ON THE DEVELOPMENT OF AGRARIAN REFORM COMMUNITIES IN MARGINAL AREAS IN THE REPUBLIC OF THE PHILIPPINES		0 1 2 3 4 1 : 200	GRAINS DRYING AREA AND STORAGE SILAE, MALAYBALAY CITY, BUKIDNON SITE PLAN AND ELEVATIONS	1/2

(3) Rural Water Supply

(a) Level-1 Water Supply

1) Number of deep wells and the standard of success

The level-I water supply system is planned to utilize deep wells that are located within 250 m far from dwelling houses. Two deep wells – one in Silae Area and another in Dalacutan Area - shall be constructed. The constructed borehole drilling wells should have more than 12 liters/min. of yield and the water quality of the well should clear the criteria on standard of the DOH as shown below.

Items	DOH index (minimum)
Color	5 TCU
Turbidity	5 NTU
Total Chloride	250 mg/L
Total Hardness	300 mg/L
Total Iron	1.0 mg/L
Manganese	0.5 mg/L
pH	6.5～8.5
Sulfate	250 mg/L
Total dissolved solids	500 mg/L
Fluoride	1.0 mg/L
Nitrite	3.0 mg/L
Residual Chlorine	0.5 mg/L
Fecal Coliform	0 No./100mL

2) Deep well structure

Deep well structure must guarantee to yield clean and safety groundwater. It should be considered that the main users of the well are women and children. Therefore, PVC casing and screen pipes will protect the well and the space between the casing and hole will be filled back by sieved gravel. The thickness of the gravel packing must be more than 25mm(1”). Casing diameter is to be 100mm (4”) and drilling diameter should be more than 200mm (8”). To avoid the contamination through infiltration of surface water, the uppermost 10 meters of the well will be grout-sealed. The depth of deep well will be 40 meters on the average. The standard structure of deep well is shown in Figure 2-5.