

NOTE
 1. All dimensions are in millimeters
 2. Any drawings and/or details not shown should be referred to the Engineer.

DESIGN COMPLAINT
INS. SAHAR J.N. MBAYO
DESIGNED BY
INS. ANGEL R. MALSON
CHECKED BY
INS. MBAYO

PROJECT DATE: SEPTEMBER 2019
PROPOSED RENOVATION OF HIGH COURT

LOCATION
BO DISTRICT

CLIENT
UNION

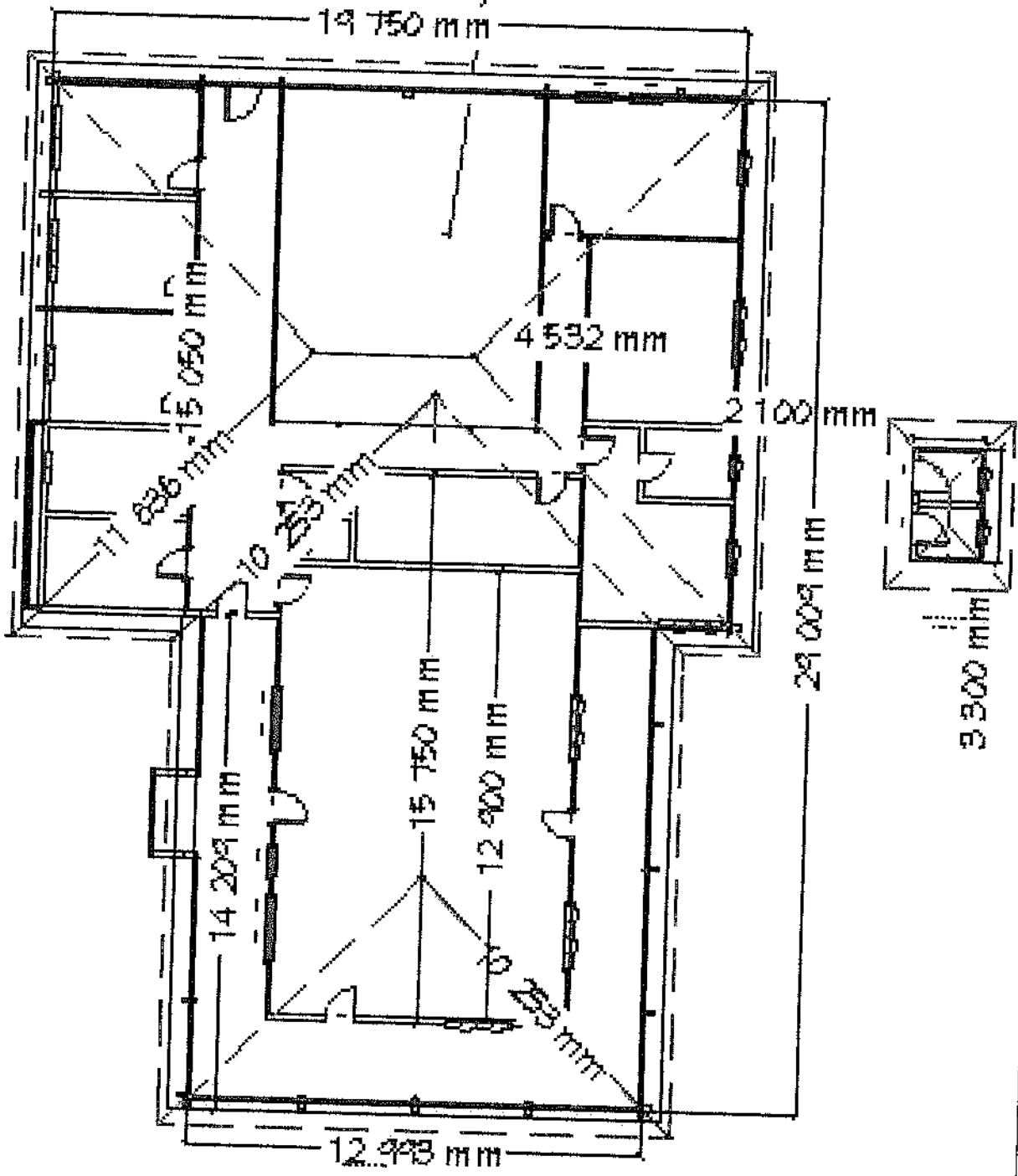
DRAWING DESCRIPTION
FLOOR PLAN

SHEET 11.15

Standard Plan Type

Drawing Number
HC - 01

Scale





- ### LEGEND

1. All dimensions are millimeters.
2. Any discrepancy should be reported to the Engineer

Design Consultant	ING SAUER MEYERS
Drawn By	ING ANDRÉN & WILSON
Project	Base August 2012
Location	BO DISTRICT
Client	UNDP
Drawing Description	ELECTRICAL PLAN
Scale 1:1 N.T.S.	
Standard Plan Type	
Drawing Number	002
Revision	

NOTE

1. All dimensions are in millimeters.
2. Any discrepancy should be reported to the Engineer.

DESIGN CONSULTANT
INS. SAHIL JIN. MBAYO
DESIGNED BY
INS. ARZUMI K. YALSON
CHECKED BY
INS. JIN. MBAYO

PROJECT DATE: SEPTEMBER 2011
PROJECTED RE-VALUATION
OF HIGH COURT

LOCATION
BO DISTRICT

CLEAR
UNIT

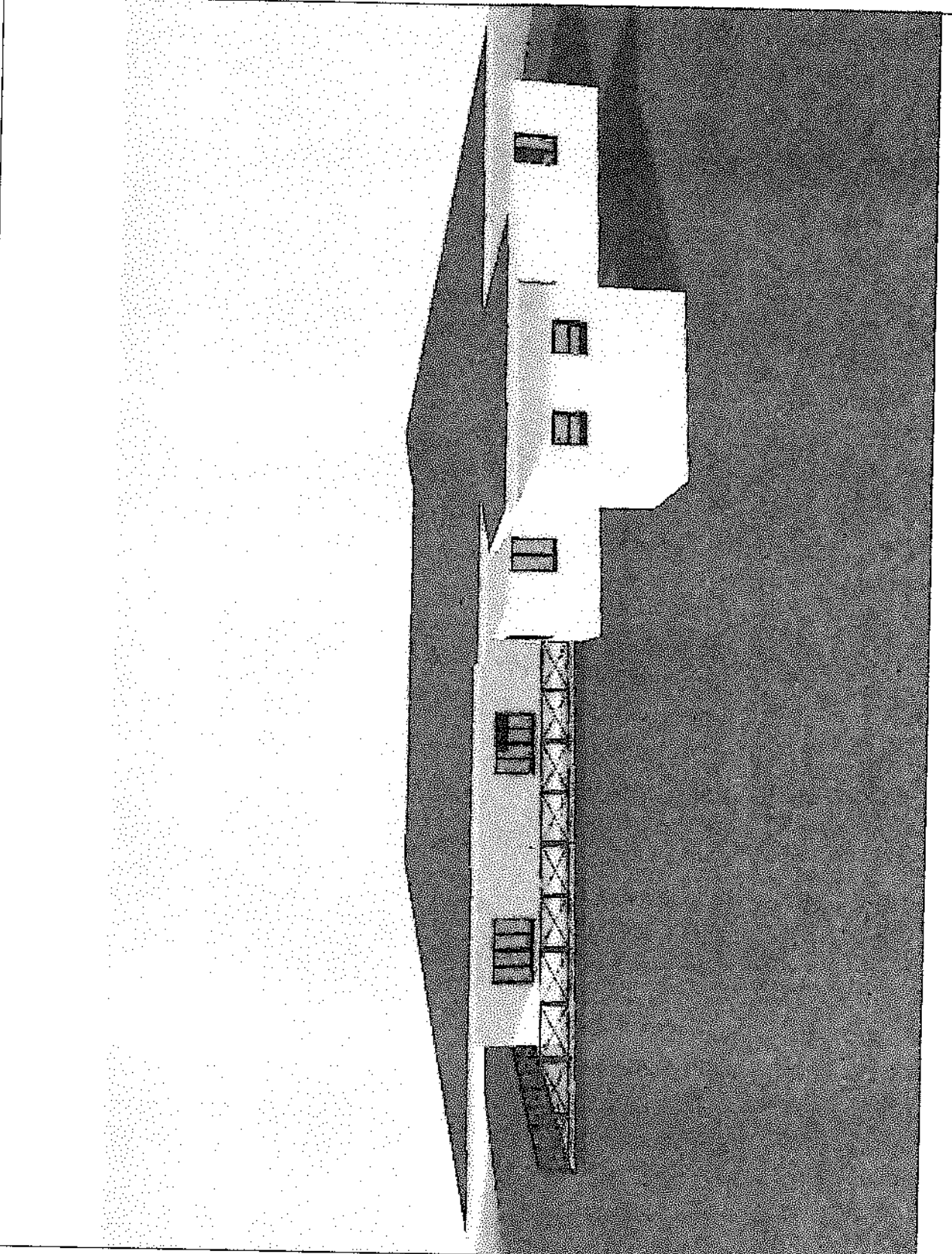
BRANDED DESCRIPTION
1871 VBN

SCALE 1:1.5

STANDARD DRAWING

DESIGN NUMBER
HC - 04

Revision



NOTE

- 1 All dimensions are in meters
- 2 All elevations are in meters above mean sea level
- 3 All drawings are prepared by the Engineer

DESIGN CONSULTANT
ING BAKLIN HSAYO
DESIGNED BY
ING ANQUIN RYALSON
CHECKED BY
ING JIN HSAYO

PROJECT DATE SEPTEMBER 2010
PROPOSED REHABILITATION OF FOOT CLOUT

LOCATION
SO DISTRICT

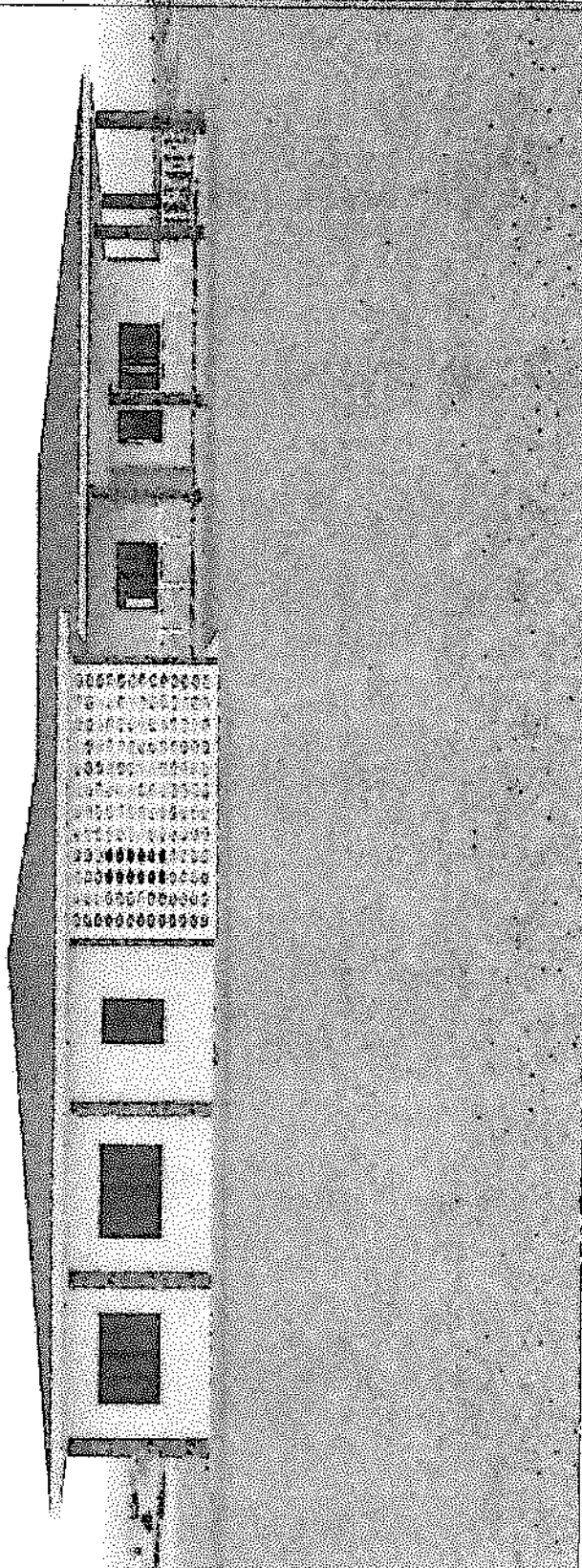
CLIENT
UNDP

DRAWING DESCRIPTION
REHAB FOOT

Scale: 1:100

Standard Plan View

Drawing Number
MC-03



NOTE

1. All dimensions are in millimeters.
 2. Any change should be reported to the Engineer.

DESIGN CONSULTANT
 HKS SAHJI IN HANOI

DRAWN BY
 THU PHUON & NELSON

CHECKED BY
 HKS IN HANOI

PROJECT DATE: SEPTEMBER 2014
 PROPOSED REHABILITATION
 OF HIGH COURT

LOCATION
 NO. DISTRICT

CLIENT
 UNDP

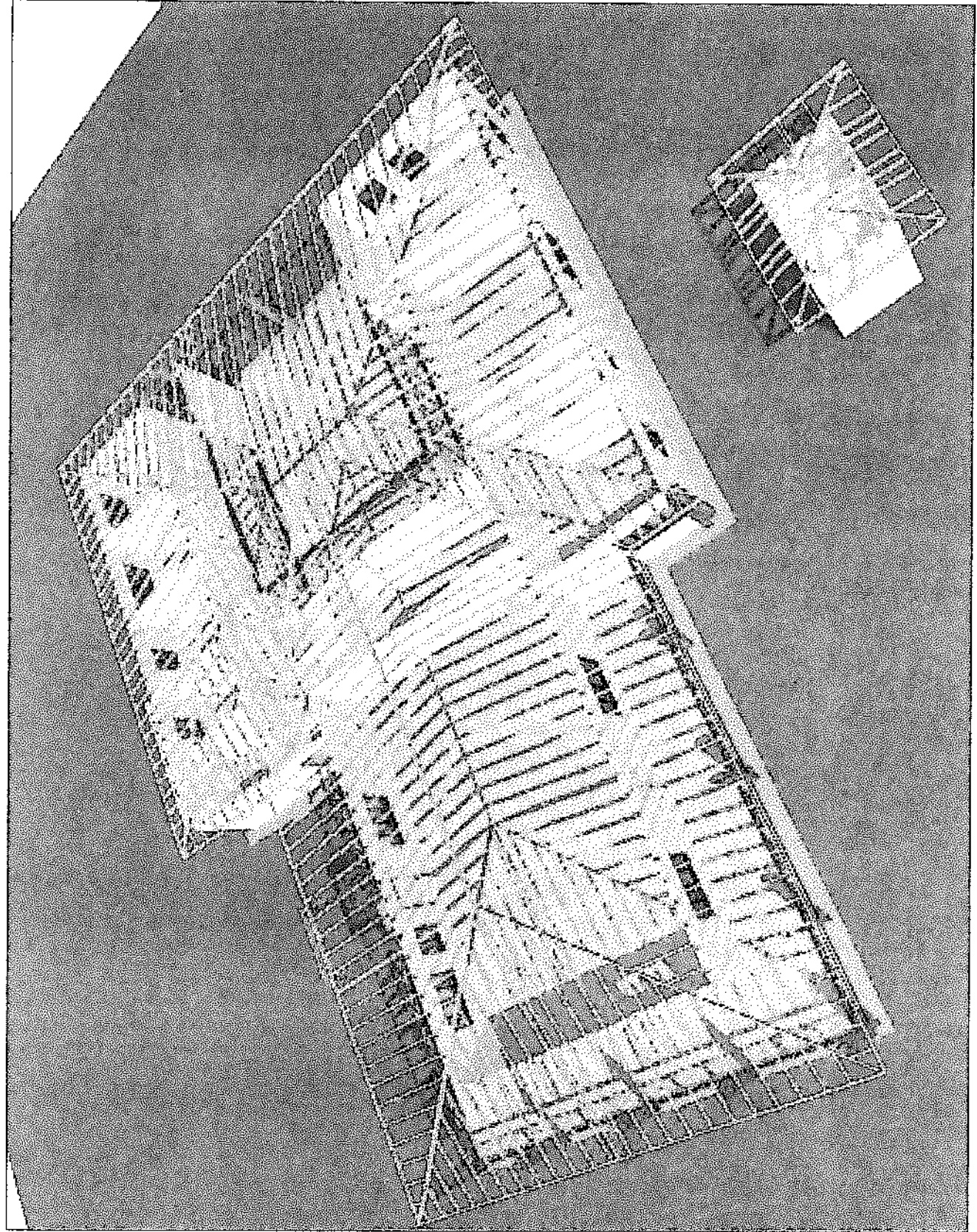
DRAWING DESCRIPTION
 ROOF PLANNING

Scale: 1:100

Standard Plan: 1/20

Drawing Number
 HC-08

Revision



NOTE

1. All dimensions are in millimeters
2. Any discrepancy should be reported to the Engineer

DESIGN CONSULTANT

INS. SAHIL J. NAYO

DRAWN BY

INS. AARON E. NELSON

CHECKED BY

INS. J. N. NAYO

PROJECT DATE: SEPTEMBER 2019

PROPOSED RENOVATION
OF HIGH COURT

LOCATION

BO DISTRICT

CLIENT

UNIT

DRAWING DESCRIPTION

REVISION

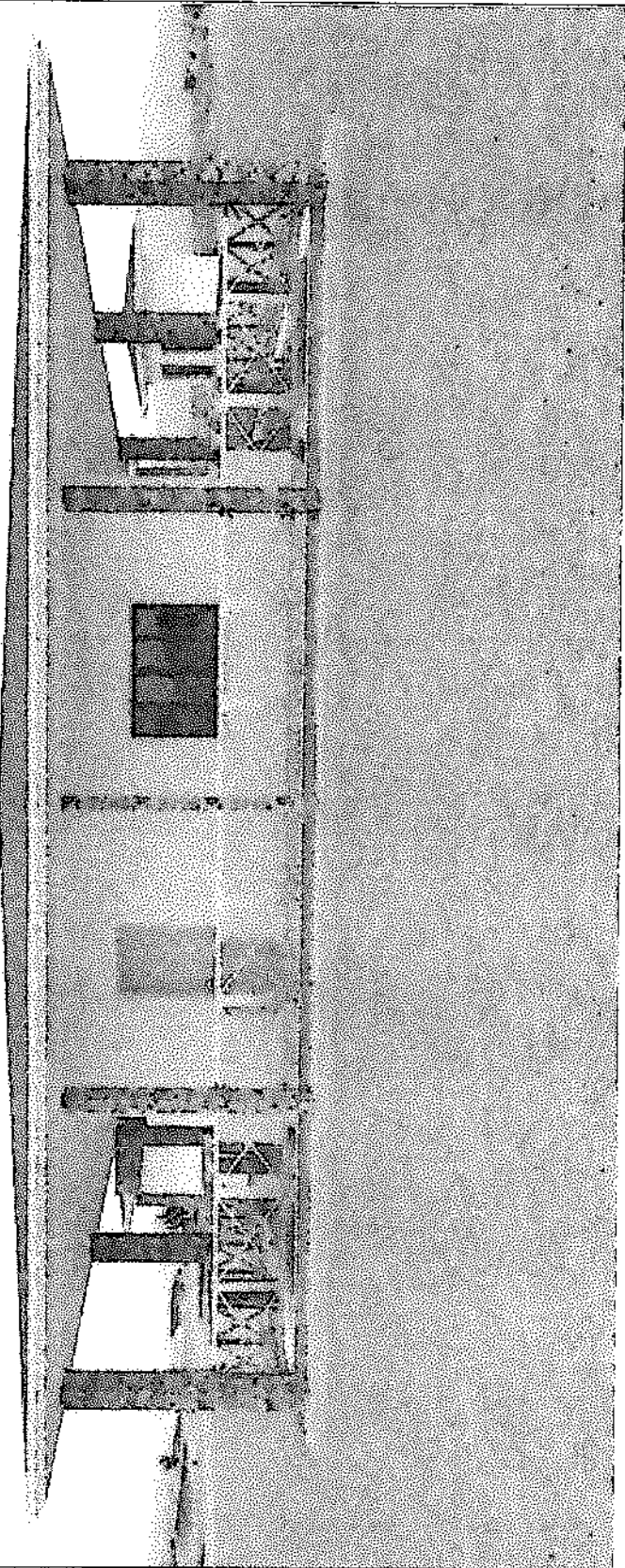
Scale: 1:10

Structural Plan Type

Drawing Number

HC - 05

Revision



NOTE

1. All dimensions are in feet
2. All dimensions should be rounded to the nearest foot

DESIGN CONSULTANT
INS SAIR JIN HENGO
DRAWN BY
INS ARZON P. WILSON
CHECKED BY
INS JIN HENGO

PROJECT DATE SEPTEMBER 2011
PROPOSED REHABILITATION
OF HIGHWAY

LOCATION
BO DRE INLOT

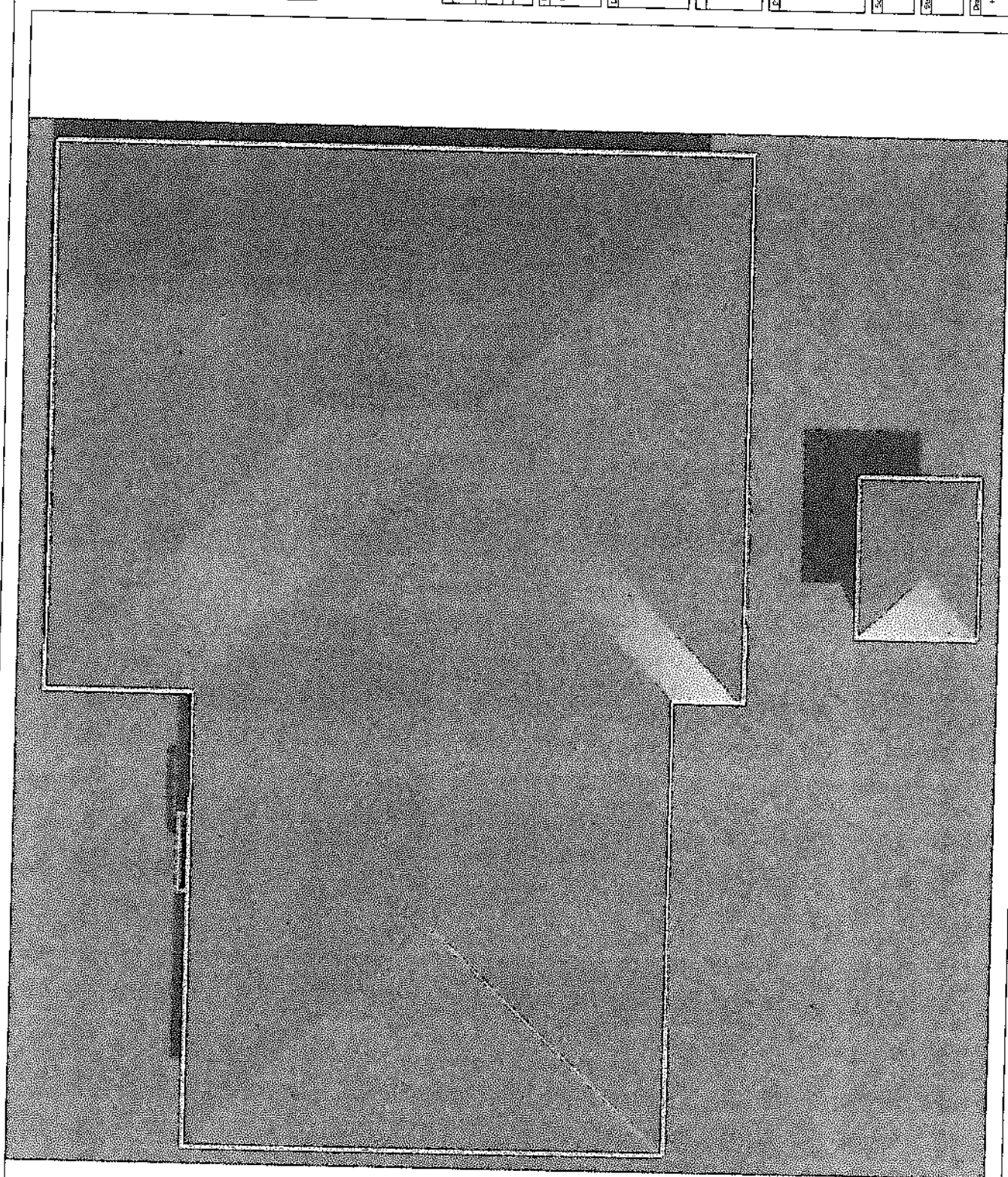
CLIENT
LAND

DRAWING DESCRIPTION
TOPOGRAPHIC MAP

Scale 1" = 1'

Standard Plan Type

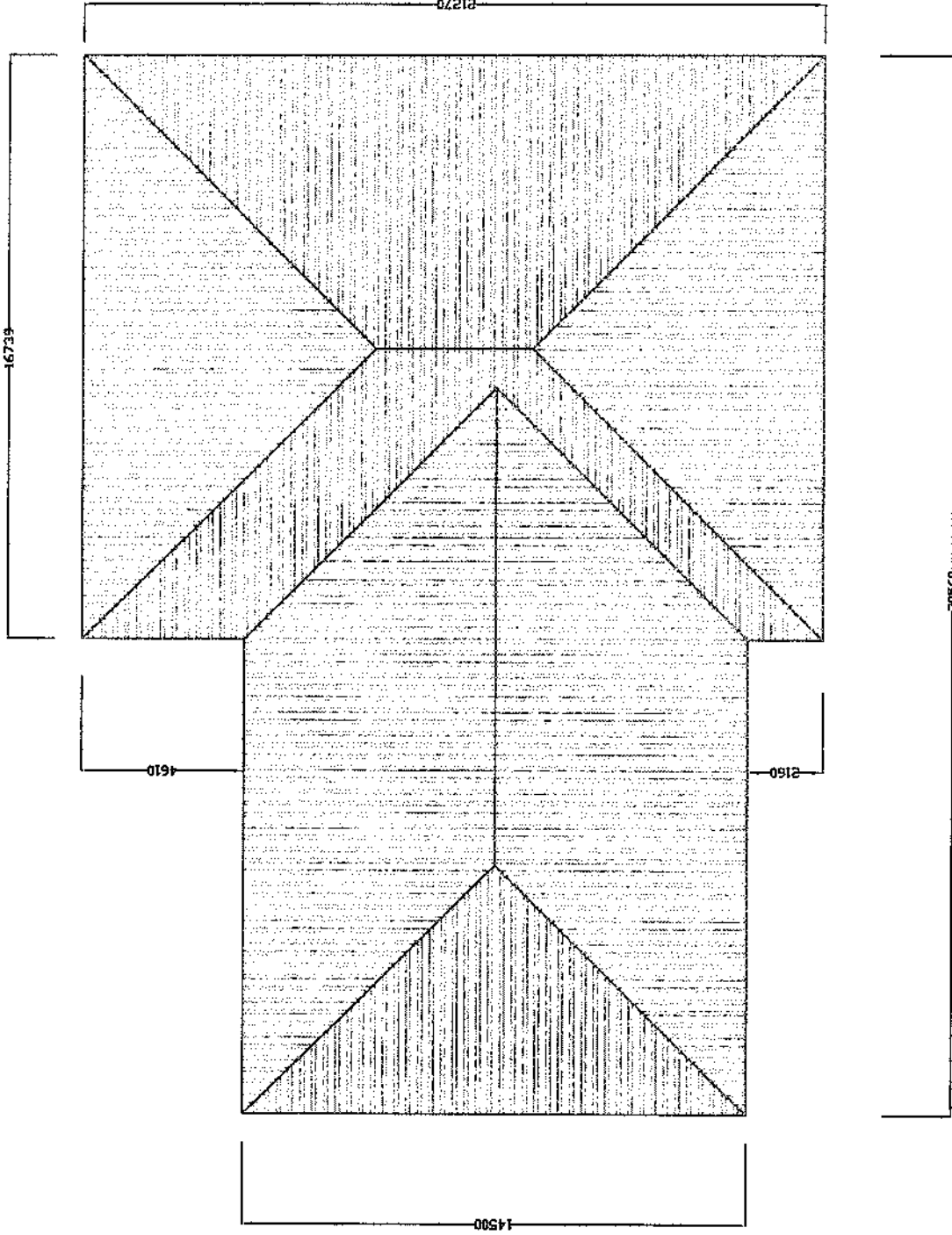
Drawing Number
HC - 01



NOTE

1. All dimensions are millimeter.
2. Any discrepancy should be reported to the Engineer

Design Consultant	ING SAHLE MBAYO
Unitary No.	ING AROUN R. WILSON
Project	Proposed Rehabilitation of High Court
Date	August 2019
Location	RC DISTRICT
Client	UNDP
Drawing Description	ROOF
Scale	1:100
Shedding Plan Type	
Drawing Number	007
Revision	



1. All dimensions are millimeter.
2. Any discrepancy should be reported to the Engineer

Design Consultant	ING SATHE MIXNO
Drawn By	ING ARGUN R WILSON
Project No.	
Project Date	2015
Project Description	PROPOSED REHABILITATION OF HIGH COURT
Location	NO DISTRICT
Client	UNCP
Drawings Description	SECTION X-X
Project No.	12/15
Standard Plan Type	
Ground Number	Section
Code	

NOTE
1. All dimensions are in inches.
2. Any discrepancy should be
reported to the Engineer.

DESIGN CONSULTANT
ING SAH JIN MIAYO
DRAWN BY
ING AUNG MYINT
CHECKED BY
ING JIN MIAYO

PROJECT DATE SEPTEMBER 2011
PROPOSED RENOVATION
OF HIGH COURT

LOCATION
BO DISTRICT

COUNT
UNEP

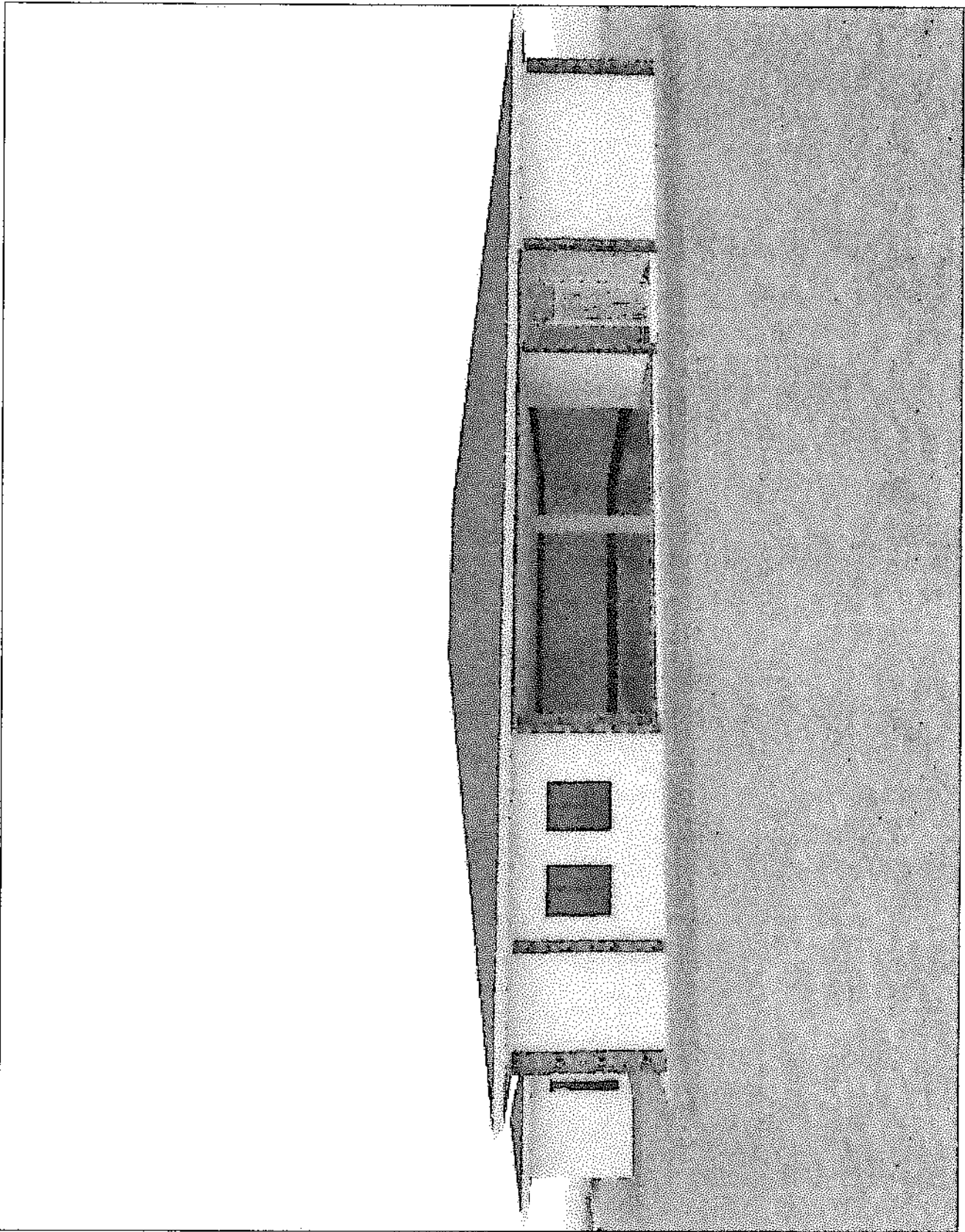
PROJECT DESCRIPTION
FRONT VIEW

SCALE: 1/15

Standard Plan Type

Drawing Number
MS-02

Revision



REHABILITATION OF BO HIGH COURT BUILDING

Bill of Quantities

Item No	Description	units	Qty	Unit Rate (LE)	Amount (LE)
1.00	PRELIMINARIES				
1.01	MOBILIZATION The contractor will mobilise and deliver to the site all relevant equipment, personel and materials necessary for the execution of the works	item	1		
1.02	SITE OFFICE/STORE Allow for providing suitable secure store for materials used for the project and also a Temporary secure office on site for the site Foreman-in -charge and other craftsmen and include for providing necessary furniture and lighting which will be cleared away after completion	item	1		
1.03	INSURANCE/LICENSES Provide Insurance against injury to personnel Also make all arrangements for the issue of licenses, permit etc required by law for the executioun of the contract	item	1		
1.04	WATER AND ELECTRICITY CONNECTION TO THE BUILDINGS Allow for the testing and connection of electricity and supply of water to the buildings from the Electricity and Water supply companies in the City of Bo, (Note Contractor is not responsible for any outstanding payment before by the users of those facilities)	item	1		
1.05	PROGRESS PHOTOGRAPHS Progress photographs should be provided in intervals. Number and sizes of the photographs will be directed by the Supervising Engineer or his representative	item	1		
	PRELIMINARIES TO COLLECTION B/D				

REHABILITATION OF BO HIGH COURT BUILDING

Bill of Quantities

Item No	Description	units	Qty	Unit Rate (LE)	Amount (LE)
1.06	<p>PRELIMINARIES TO COLLECTION B/F</p> <p>TEMPORARY FENCING OF THE FACILITIES TO BE REHABILITATED PARTICULARLY COURTS NO 1 AND NO 2</p> <p>Allow for temporary fencing for courts No 1 and No 2 using bushsticks and damaged corrugated CI sheets from the demolished roof structure of the buildings rehabilitated to keep away all intruders</p>	item	1		
1.07	<p>DEMOBILIZATION</p> <p>Allow for the demobilization of all plants equip,ent and personnel and left over materials on work completion. The surrounding within the temporary fence must be thoroughly cleared and cleaned befoe the final inspection and handling over the facilities to the Client.</p>	item	1		
	PRELIMINARIES CARRIED TO SUMMARY				

Bill of Quantities

Item No	Description	units	Qty	Unit Rate (LE)	Amount (LE)
	HIGH COURT				
2.00	DEMOLITION				
2.01	ROOF Take up existing roofing sheets; and used some of the damaged sheets to make boundary fence of bushsticks and corrugated CI Sheets to keep of intruders from the site	m ²	780		
2.02	CEILINGS With care ,pull down existing hardboard and remove from site	m ²	720		
2.03	ROOF STRUCTURES Take up the existing roof timber structure of purlins, rafters, bracings and facial boards. Store the good timber roof structure materials for re-use in the new roof timber structure. Cart away the rotten ones from site,	item	1		
2.04	WINDOWS Ease, oil and adjust, replace damaged glazing; making good as necessary existing steel windowa; frames and the like. Replace missing fenders and stays	No	16		
28.05	WOODEN DOORS Take down existing panel and flushed doors including frames making good all work disturbed and remove from the site	No	12		
28.06	METAL STEEL DOORS Take down existing steel doors including frames and make good all defects and fix new door locks (model Yele 6-turns door lock)	No	6		
	DEMOLITION COLLECTION B/D				

REHABILITATION OF BO HIGH COURT BUILDING

Bill of Quantities

Item No	Description	units	Qty	Unit Rate (LE)	Amount (LE)
	DEMOLITION COLLECTION B/F				
2.07	WALLS				
2.07a	Clean existing walls externally to remove stains; inspect for minor cracks and other imperfections make good as necessary to receive new finishes	m ²	292		
2.07b	Clean existing walls internally to remove stains; inspect for minor cracks and other imperfections make good as necessary to receive new finishes	m ²	764		
2.08	FLOORS				
2.08a	Take up existing ceramic tiles at the toilet and remove from site, clean and prepare to receive new tiles	m ²	92		
2.08b	Clean concrete floor screed and prepare floor to receive new finishings	m ²	485		
2.09	METAL RAILING Carefully remove the existing metal railing at the corridor, take to metal workshop and fabricate according to Engineer's design using	m	42		
2.09	ELECTRICAL Strip out all electrical wiring run on the surface and remove all light fittings, switches and sockets and clear away from site	item	1		
	DEMOLITION CARRIED TO SUMMARY				

REHABILITATION OF BO HIGH COURT BUILDING

Bill of Quantities

Item No	Description	units	Qty	Unit Rate (LE)	Amount (LE)
3.00	ROOF COVERING Corrugated long span aluminium roofing sheets (high Cork) 0.40 guage factory painted, fixing according to manufactures instructions, side laps and end laps.				
3.01	Covering: Sloping, pitching not exceeding 25 degrees	m ²	780		
3.02	Ridge, cutting to ridges	m	125		
	ROOFING COVERING CARRIED TO SUMMARY				
4.00	WOOD WORK FOR ROOF STRUCTURES Sawn seasoned hardwood timber treated with coloured approve wood preservative, in				
4.01	50mm x100 mm tie beam	m	115		
4.02	50mm x100 mm rafters	m	560		
4.03	Wall Plates (50mm x 100mm	m	180		
4.04	50mm x150 mm King post	m	20		
4.05	50mm x 100mm strut (braces)	m	250		
4.06	Purlins (50mm x 75mm) Wrought hardwood timber treated with wood preservative	m	800		
4.07	Facial Board (25mm x 225mm): wrought	m	130		
4.08	12mm x 38mm wide cover strips	m	1,800		
	WOODWORKS FOR ROOF STRUCTURE CARRIED TO SUMMARY				

REHABILITATION OF BO HIGH COURT BUILDING

Bill of Quantities

Item No	Description	units	Qty	Unit Rate (LE)	Amount (LE)
5.00	WOODEN DOORS				
5.01	FLUSH DOOR 750mm wide x 2050mm high semi solid core plywood faced flush door lipped all round with hardwood for all toilet doors	No	5		
5.02	PANEL DOOR Timber panel door with dimensions 750mm wide x 2050mm high	No	9		
5.03	Door frame 44mm thick x150mm wide wrought hardwood rebated frame fixed into wall with built -in lugs	m	85		
5.04	Ironmongery 100 mm brass butt hinges screwed to timber frame and doors	pair	28		
5.05	3-lever mortice door lock:(EU quality) with accessories	No	9		
5.06	Bathroom lockset of approved quality & locking accessories	No	5		
5.07	150mm brass flush bolts to back of doors	No	14		
	WOODEN DOORS CARRIED TO SUMMARY				

REHABILITATION OF BO HIGH COURT BUILDING

Bill of Quantities

Item No	Description	units	Qty	Unit Rate (LE)	Amount (LE)
6.00	PLUMBING INSTALLATION				
	Plumbing and cold water installations in UPVC pipes and fittings including joints and support in the running length to the following				
6.01	W C	No	5		
6.02	Wash hand basin	No	5		
6.03	Cold water storage tank	No	1		
	Appliance by Approved manufacturer				
6.04	Vitreous China W.C suit complete with 9litre flushing cistern with float ball valve flexible connector ring seat and cover with Engineer's approval before installation	No	5		
6.05	425m x 535m vitreous china wash hand basin complete with fixing brackets, 1Nr 12m pillar, tap plug, chain and stay with waste outlet	No	5		
6.06	5000 litre cold water storage tank	No	1		
6.07	150 x 150mm chromium plated soap holder plugged and screwed to blockwall	No	3		
6.08	Toilet roll holder plugged and screwed to wall	No	3		
6.09	Towel rail; chromium plated, 600mm end brackets, plugged and screwed to blockwork	No	3		
6.10	Stainless Floor drain, Toilet	No	5		
	PLUMBING INSTALLATION CARRIED TO SUMMARY				

REHABILITATION OF BO HIGH COURT BUILDING

Bill of Quantities

Item No	Description	units	Qty	Unit Rate (LE)	Amount (LE)
7.00	ELECTRICAL INSTALLATION Notice walls to install completely electrical wiring conduits, metal boxes, inspection boxes and cables. All lighting conduits must use 1.5 mm ² twin PVC sheathed (insulated) cables in concealed 20mm diameter PVC conduits in circuit wiring complete from distribution Board to switch points then to outlet points LIGHT AND SWITCH POINTS				
7.01	Wall light point	No	18		
7.02	10 Amp light switch points	No	18		
7.03	13 amp double switched socket outlet points	No	17		
7.04	ceiling light points	No	38		
7.05	ceiling Fan Regurator point	No	3		
7.06	20 amp AC switch point	No	3		
	FITTINGS AND ACCESSORIES				
7.07	Ceiling Single florescent light and fittings: 1x36 watts (1200mm long and corrosion resistant) in court sitting hall and other offices	No	22		
7.08	Ceiling: Double florescent light and fittings: 2x36watts (1200mm long and corrosion resistant in the office of Judge and the other offices in the main buildings	No	1		
7.09	Ceiling Single florescent weather proof light and fittings: 1x36 watts (1200mm long and corrosion resistant) in court corridor and foyer	No	8		
7.10	Ceiling Light in store 1x18 watt plastic circular	No	2		
7.11	Ceiling light in toilets: 12Watt LED surface light	No	5		
	ELECTRICAL INSTALLATION B/D				

REHABILITATION OF BO HIGH COURT BUILDING

Bill of Quantities

Item No	Description	units	Qty	Unit Rate (LE)	Amount (LE)
	ELECTRICAL INSTALLATION B/F				
7.12	Wall Sockets: 10amp 1gang 2way switch	No	8		
7.13	Wall Sockets: 10amp 1 gang 1 way switch	No	9		
7.14	Wall Sockets: 10amp 2gang 2way switch	No	1		
7.15	Wall Sockets: 20 amp AC switch	No	3		
7.16	Wall Sockets: 13 amp switch 2 gang	No	17		
7.17	Wall Ceiling fan Regulator	No	3		
7.18	Provide and install 12 BTU tropicalized Air conditional, Model Samsung , Sharp or JSK	No	3		
7.19	Provide and install 56 inhes ceiling fans	No	3		
	Supply and install the following board with approved light fittings mains switch gear fuse etc and including 25mm ² diamete rconcealed PVC conduits and wiring Proteus TYPE B or similar approved 415/240 C 50 HZ, 100				
7.20	Amp 12-way TP & N distribution board	No	1		
7.21	63 Amp change over switch	No	1		
	EARTHING, LIGHTING AND PROTECTION SYSTEM				
7.22	Allow a sum for installing all earthing, lighting and protection system complete with all earth pits, copper conductor cables including all excavations and earth works	item	1		
	<u>All electrical cables , wiring and fittings should be British or EU standard and should be approved by Supervising Engineer before installation</u>				
	ELECTRICAL INSTALLATION CARRIED TO SUMMARY				

REHABILITATION OF BO HIGH COURT BUILDING

Bill of Quantities

Item No	Description	units	Qty	Unit Rate (LE)	Amount (LE)
8.00	WALLS, FLOORS AND CEILING FINISHING				
	<u>Walls & Floors for all extensions- inmates room and Toilets</u>				
8.01	12mm thick cement and sand (1:4) rendering on around doors and including revealing	m ²	40		
	<u>Floor bed</u>				
8.02	31mm thick cement and sand (1:3) screeded bed laid level on concrete floor with smooth finish	m ²	45		
8.03	<u>Tile Finishings in Offices and Toilets</u>				
	Non slip Porcelain floor tiles butt jointed straight on the sides 450mm x 450 x 10mm thick laid level on cement and sand bedding	m ²	100		
8.04	6mm thick glazed wall tiles fixed vertically on rendered backing to walls in toilets	m ²	61		
8.05	100mm wide ceramic skirting fixed vertically to walls	m	18		
	CEILING				
8.06	3/4mm Ceiling hard board nailed to and including first grade treated timber battens with clout nails in grids of 600 x 1200mm complete with cover strips and matching covings	m ²	460		
8.07	50mm x 50mm treated hardwood noggins to receive 600mm x 600mm hardboard ceilings	m	1490		
	WALLS, FLOOR AND CEILING FINISHING CARRIED TO SUMMARY				

REHABILITATION OF BO HIGH COURT BUILDING

Bill of Quantities

Item No	Description	units	Qty	Unit Rate (LE)	Amount (LE)
9.00	PAINTING AND DECORATING				
9.01	Prepare and apply one coat sealer and two coats emulsion paint on rendered walls (internally and Externally)	m ²	1056		
9.02	Ditto to soffit of hardboard ceiling	m ²	720		
9.03	Prepare and apply one undercoat and two coats gloss paint on wood and metal doors and windows	m ²	54		
9.04	Ditto on frames not exceeding 300mm grith	m ²	125		
9.05	Ditto but on fascia board	m ²	120		
	PAINTING AND DECORATION CARRIED TO SUMMARY				
10.00	EXTERNAL WORKS <u>Aprons/Surface Water Drain</u>				
10.01	Excavate for surface drain to remove rainwater and and running water from the wash basin to soakaway towards the slopy end of the building	m ³	39		
10.02	Thick laterite hardcore material compacted behind the fabricated U-shaped concrete channel drain	m ³	19		
10.03	100mm thickness U-shape concrete (1:2:4 -19mm aggregate) install right round the building	m ³	10		
	Soil Drainage				
10.04	Septic Tank with size as showing on the drawings with manholes and all associated pipe works	lump Sum	1		
	EXTERNAL WORKS COLLECTION B/D				

REHABILITATION OF BO HIGH COURT BUILDING

Bill of Quantities

Item No	Description	units	Qty	Unit Rate (LE)	Amount (LE)
10.05	EXTERNAL WORK COLLECTION B/F Soakaway with dimension 3m diameter and 2 m deep filled with laterite ballstones and covered with lean concrete	lump Sum	1		
10.06	External Toilet Provide and build external toilet facilities for people who come to High Court. Foundation, blockwork, roof structure and roofing, and rendering including painting. Pipe works for cold water & fixing WC and washhand basin	lump sum	1		
10.06	Water Supply to the Building Provide a lump sum for the construction of 2400 mm x 2400 mm by 3000mm high water tower for the 5,000 liters millia tank	lump Sum	1		
10.07	Provide lump sum for high pressure water pipes and fittings as required to supply water to the 5000 litres millia tank provided for onwards distribution of water into the buildings	lump Sum	1		
10.08	Install 5,000 liters tank on the water Tower being built.	lump Sum	1		
	EXTERNAL WORKS CARRIED TO SUMMARY				

Bill of Quantities

Item No	Description	units	Qty	Unit Rate (LE)	Amount (LE)
	SUMMARY : BO HIGH COURT				
1.00	PREMENIMINARIES				
2.00	DEMOLITION				
3.00	ROOF COVERING				
4.00	WOOD WORKS FOR ROOF STRUCTURES				
5.00	WOODWORK FOR DOORS				
6.00	PLUMBING INSTALLATION				
7.00	ELECTRICAL INSTALLATION				
8.00	WALLS, FLOORS, AND CEILING FINISHES				
9.00	PAINTING AND DECORATION				
10.00	EXTERNAL WORKS				
11.00	COST OF BO HIGH COURT BUILDING CARRIED TO SUMMARY				
12.00	COMTIMGENCY 5%				
13.00	TOTAL COST OF BO HIGH COURT CARRIED TO SUMMARY				

In Words: