

Construction of Storage Facility (Fish Cleaning, ovens for drying fish and stores) with external Toilets, Water well provided with Submersive pump. Construct Reinforced Concrete Water Tower with a 5000L Milla Tank mounted on it to supply the facility and toilets at GODERICH

Bill of Quantities

Item No	Description	Units	Quantity	Unit Rate (Le)	Amount (Le)
1.00	PRELIMINARIES				
1.01	MOBILIZATION The contractor will mobilise and deliver to the site all relevant equipment, personnel 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,	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 execution of the contract	item	1		
1.04	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		
1.05	DEMOBILIZATION Allow for the demobilization of all plants equipment and personnel and left over materials on work completion. The surrounding within the building must be thoroughly cleared and cleaned before the final inspection and handing over the facilities to the Client.	item	1		
	Preliminaries carried to summary				

Construction of Storage Facility (Fish Cleaning, ovens for drying fish and stores) with external Toilets, Water well provided with Submersive pump. Construct Reinforced Concrrere Water Tower with a 5000L Milla Tank mounted on it to supply the facility and toilets at GODERICH

Bill of Quantities

Item No	Description	Units	Quantity	Unit Rate (Le)	Amount (Le)
A	CONSTRUCTION OF THE DRYING FISH STORAGE BUILDING				
2	SUBSTRUCTURE				
2.10	<u>SITE CLEARANCE</u> Clear site of all of all rubbish for the construction building site and its surrounding area 10 m from the proposed building	lump Sum	1		
2.20	<u>EXCAVATION</u>				
2.21	Excavate surface to remove top soil, starting at ground level and maximum depth not exceeding 450mm and deposite in spoil on site	m ²	14		
2.22	Excavate trenches to receive strip foundation not exceeding 1.0 m in depth and deposite on site for re-use	m ³	31.5		
2.23	Excavation for column and column bases with dimensions 600mm x 600mm and maximum depth not exceeding 1000mm	m ³	7.2		
2.24	Extra over excavation; Excavating in rocks	m ³	.8		
2.3	<u>FILLING</u>				
2.31	Filling to on the side of foundation blockwork of selected excavated material deposited and compacted in layers	m ³	16		
2.32	Ditto to make up levels below ground floor slab of selected excavated material	m ³	20		
2.33	Ditto; Imported excavated material off site	m ³	10		
2.34	Ditto imported hardcore materials of laterite ballstones, 200mm thick	m ³	18		
2.35	Sand blinding average 50mm thick on hardcore filling	m ³	5		
	SUBSTRUCTURE summary on Page 1 B/D				

Construction of Storage Facility (Fish Cleaning, ovens for drying fish and stores) with external Toilets, Water well provided with Submersive pump. Construct Reinforced Concrrere Water Tower with a 5000L Milla Tank mounted on it to supply the facility and toilets at GODERICH

Bill of Quantities

Item No	Description	Units	Quantity	Unit Rate (Le)	Amount (Le)
	SUBSTRUCTURE summary on page 1 B/F				
	SUBSTRUCTURE Works continues				
2.4	CONCRETE WORK IN FOUNDATION				
2.41	Plain in-situ concrete mix (1:4:8-19mm aggregate) as blinding to column bases.	m ³	2.4		
2.42	Plain in-situ concrete mix (1:3:6 -19mm aggregate) in foundations poured against faces of excavation with thickness of 225 mm (strip foundation)	m ³	5.7		
2.43	Ditto: in 150mm thick ground floor slab and steps	m ³	15		
2.44	Reinforced in-situ in column bases and columns in foundations (1:2:4;mix)	m ³	5.8		
2.5	REINFORCEMENT WORK				
2.51	Mild steel as per BS4449, cut , bentm straight or hook as 16mm incolumn and column bases	tonne	0.92		
2.52	10mm as stirrup in column	tonne	0.23		
2.6	FORMWORK				
2.61	To sides of column and column bases	m ²	46		
2.62	To edges of concrete floor slab, 150mm high.	m ²	39.4		
2.63	DAMP PROOF MEMBRANE "Waterproof black plastic horizontal damp-proof membrane laid over sand blind hardcore with 600mm laps at all joint.	m ²	99		
2.7	BLOCKWORK IN FOUNDATION				
2.71	150mm thick solid sandcrete block bedded and jointed in cement mortar (1:6) in foundation	m ²	46		
2.72	12mm thick cement and sand (1:6) rendering in foundation	m ²	92		
	SUBSTRUCTURE CARRIED TO SUMMARY				

Construction of Storage Facility (Fish Cleaning, ovens for drying fish and stores) with external Toilets, Water well provided with Submersive pump. Construct Reinforced Concrete Water Tower with a 5000L Milla Tank mounted on it to supply the facility and toilets at KONAKRIDEE

Bill of Quantities

Item No	Description	Units	Quantity	Unit Rate (Le)	Amount (Le)
3.00	SUPERSTRUCTURE				
3.10	BLOCKWORK				
3.11	150 mm thick solid sandcrete block laid and bedded in cement sand mortar (1:5) to cover all the external and internal wall of the building including the gable ends and chimney	m ²	140		
3.12	FISHING WASHING TRAYS				
3.13	150 mm thick solid sandcrete dwarf walls for setting up fish washing trays and footings in cement sand mortar (1:5)	m ²	21		
3.14	150mm thick reinforced concrete 1:1.5:3 mix - 12mm dia aggregates including reinforcement, and formwork as base of the fishing trays	m ³	2		
3.15	COLUMNS AND BEAMS				
3.16	300 x 300 reinforced concrete columns (1:2:4 - 12mm aggregates)	m ³	6.5		
3.17	300 mm thick reinforced in-situ concrete beams (ring beams) in the building (1:2:4 - 12mm aggregates)	m ³	7.6		
3.18	150 mm thick reinforced in-situ concrete lintel (1:2:4 - 12mm aggregates)	m ³	0.3		
3.19	REINFORCEMENT Provide high tensile steel bars BS 4449 bend, hooks and fix in position				
3.2	12mm diameter in Columns and Beams	tonne	1		
3.21	10mm diameter in Columns and Beams as stirrups	tonne	1.1		
3.22	12mm diameter in lintels	tonne	0.2		
3.23	10mm diameter in lintels	tonne	0.1		
3.24	FORMWORK : Provide sawn timber and use as formwork in Columns, Beams and lintels.	m ²	140		
3.26	Provide bush sticks for scaffolds	dozen	20		
	SUPERSTRUCTURE carried to Summary				

Construction of Storage Facility (Fish Cleaning, ovens for drying fish and stores) with external Toilets, Water well provided with Submersive pump. Construct Reinforced Concrete Water Tower with a 5000L Milla Tank mounted on it to supply the facility and toilets at GODERICH

Bill of Quantities

Item No	Description	Units	Quantity	Unit Rate (Le)	Amount (Le)
4.00	FINISHING				
4.1	12mm thick cement sand plastering and rendering of blockwalls in proportion (1:5)	m ²	280		
4.12	12mm thick cement sand plastering in columns and beams in proportion (1:5)	m ²	101		
4.13	WIREMESH OPENINGS Supply and fix standard strong galvanized steel wire 75mmx75mm square openings in between columns set in concrete with 25mm x25mm angle iron bar frame and strengthen with 25mm flatbar	m ²	60		
4.14	WINDORS AND DOORS				
	<u>Doors</u>				
4.15	Supply and install double metal door with upper third part wiremesh in metal frame and metal flat bar to strengthen the mesh complete with lock and key (1500mm x 2100mm)	No	2		
4.16	Supply and install timber Panel door(900mm x1200mm) complete with frame, lock and keys	No	3		
	<u>Windows</u>				
4.17	Supply and install complete double metal steel windows (2100 mm wide x 900mm high) complete with mortice window lock and pain glass panels	No	2		
4.18	Supply and install single metal steel window (1200mm x 900mm) complete with window lock and plain glass panels	No	2		
4.19	PAINTING				
4.2	Prepare and apply two full coats of oil paint on the metal steel doors and windows	m ²	30		
4.21	Prepare and apply one undercoat and two full coats of emulsion pain to external and internal walls of the buildings=	m ²	381		
	FINISHING Carried to summary				

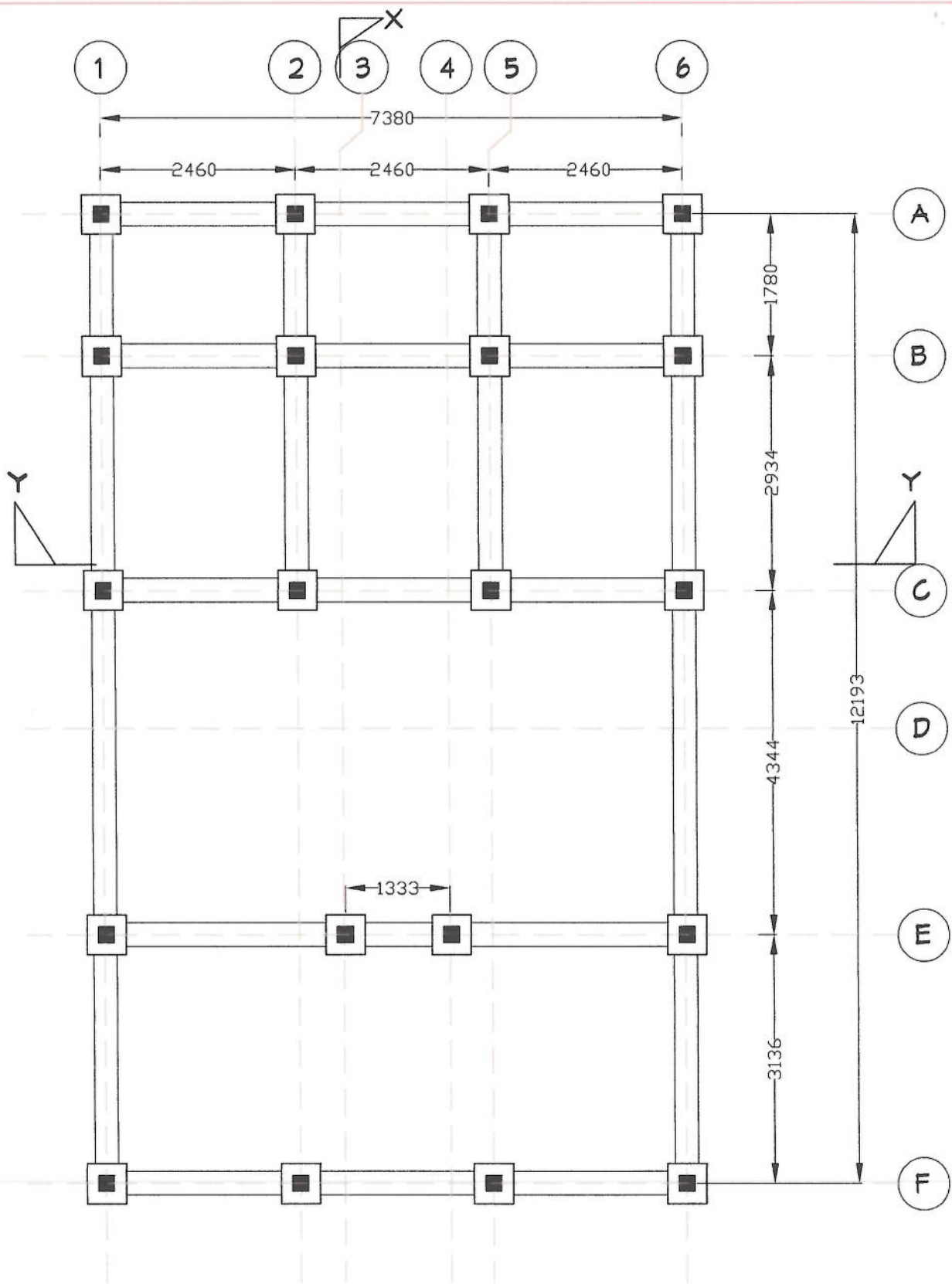
Construction of Storage Facility (Fish Cleaning, ovens for drying fish and stores) with external Toilets, Water well provided with Submersive pump. Construct Reinforced Concrrere Water Tower with a 5000L Milla Tank mounted on it to supply the facility and toilets at GODERICH

Bill of Quantities

Item No	Description	Units	Quantity	Unit Rate (Le)	Amount (Le)
5.00	ROOFING (All timber treated with wood preservative)				
5.01	Supply and alloy aluminium corrugated roofing sheet 0.6mm thick with all fitting accessories and 0.6m overhanging eaves	m ²	121		
5.02	Ridge cover minimum 2.1m long complete fixing accessories	m	13.8		
5.03	Timber Trusses according to the drawings with rafters ceiling joist, studs and braces as on the dimensions below all treated with wood preservatives	No	5		
5.04	50 x75 purlins	m	175		
5.05	50 x100 rafters	m	105		
5.06	50x100 double king post	m	20		
5.07	75 x 50 struts and braces	m	100		
5.08	50 x 150 timber beams as ridge and ceiling joists	m	192		
5.09	225 x 25 timber fascia board	m	44		
5.10	ELEVATED TOWER AS CHIMNEY				
5.12	Construct chimney from the top of the columns located at the chimney section. This columns top will have beams on top of which the chimney blockwork will be constructed. The pipes coming from the ovens will go through the blocks to emit the heat from the ovens	lump sum	1		
	ROOFING carried to summary				

Bill of Quantities

Page 7.



NOTE

1. All block wall thickness = 225mm except otherwise stated
2. Cover to reinforcement must not be less than 25mm.
3. All lap length should be 45D.

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PRIVATE CONSULTANT

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Checked By: [Signature]

PROJECT

GODRICH

PROPOSED CONSTRUCTION OF PROCESSING BUILDING

LOCATION

CLIENT

UNDP

DRAWING DESCRIPTION

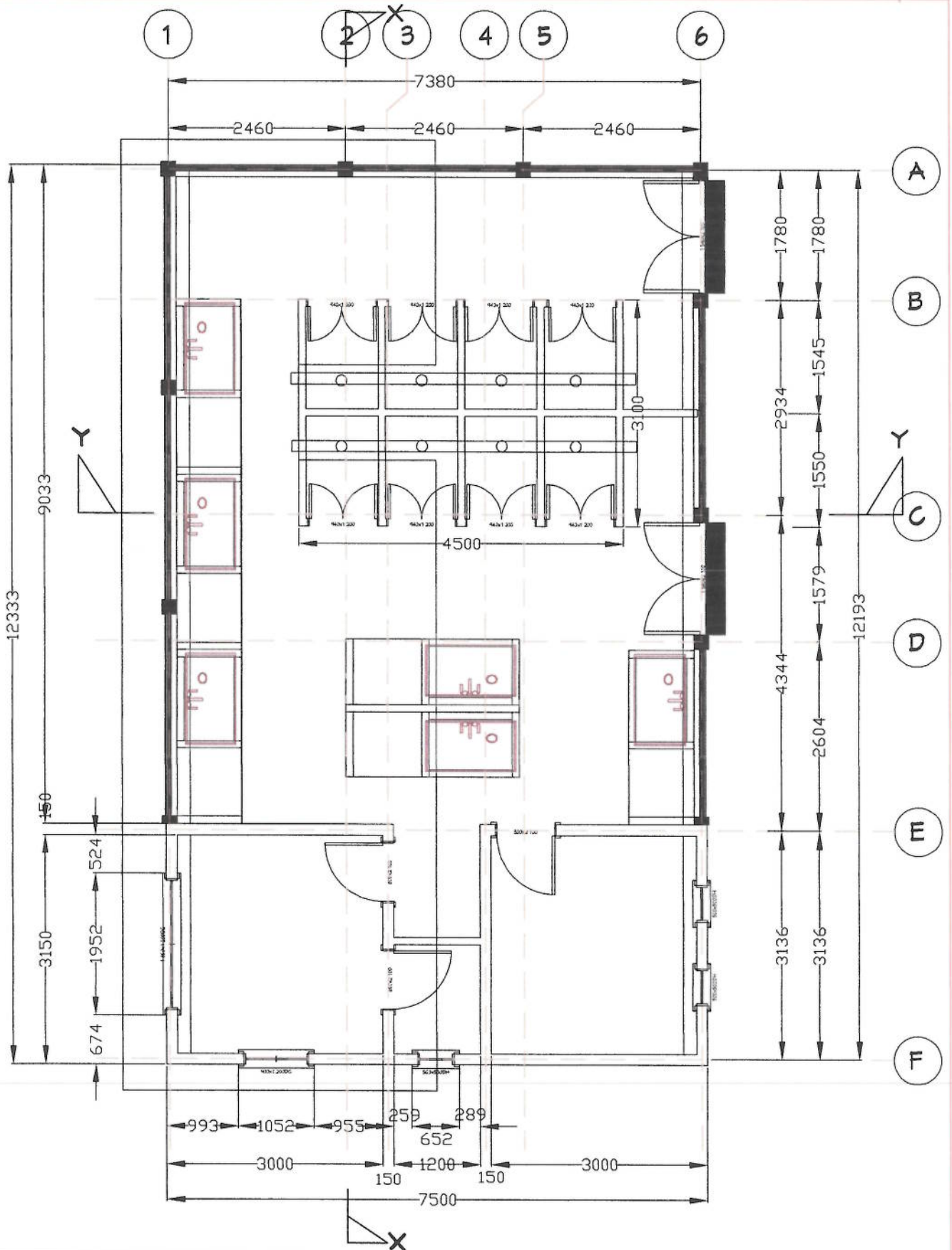
FOUNDATION PLAN

Scale: 1:100

Date: NOVEMBER

Drawing Number: P01

Revision:



NOTE

1. All built-up thickness = 225mm
2. All built-up thickness = 225mm
3. All built-up thickness = 225mm

DESIGN CONSULTANT

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PROJECT

PROPOSED CONSTRUCTION OF PROCESSING BUILDING

LOCATION

GODRICH

CLIENT

UNDP

DRAWING DESCRIPTION

PLAN VIEW

Scale: 1:100

Date: NOVEMBER

Drawing Number

P02

Revision

NOTE

1. All work with tolerance = 25mm
2. Cover to reinforcement must not be less than 25mm.
3. All top rebar should be 4B5.

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PROJECT

PROPOSED CONSTRUCTION OF
PROCESSING BUILDING

LOCATION

GODRICH

CLIENT

UNDP

DRAWING
DESCRIPTION

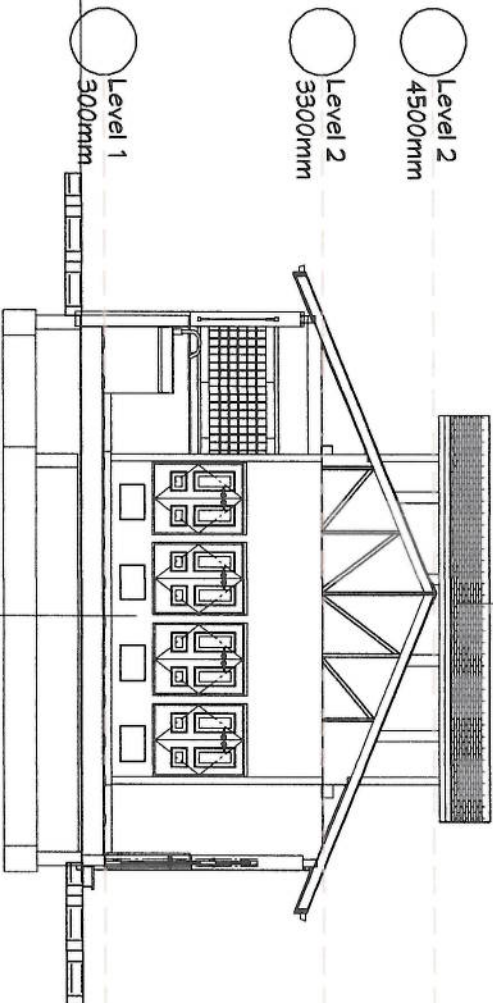
SECTION Y-Y

Scale: 1:100

Date: NOVEMBER

Drawing Number: P04

Revision:



Level 3
450mm
Level 2
330mm
Level 1
300mm

UNDP
GODRICH
PROCESSING BUILDING
SECTION Y-Y

NOTE	
1. All loads shall be in kg/m ² = 220mm	
2. Cover to concrete shall be 25mm	
3. All live loads shall be 450	

DESIGN CONSULTANT

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PROJECT
PROPOSED CONSTRUCTION OF PROCESSING BUILDING

LOCATION
GODRICH

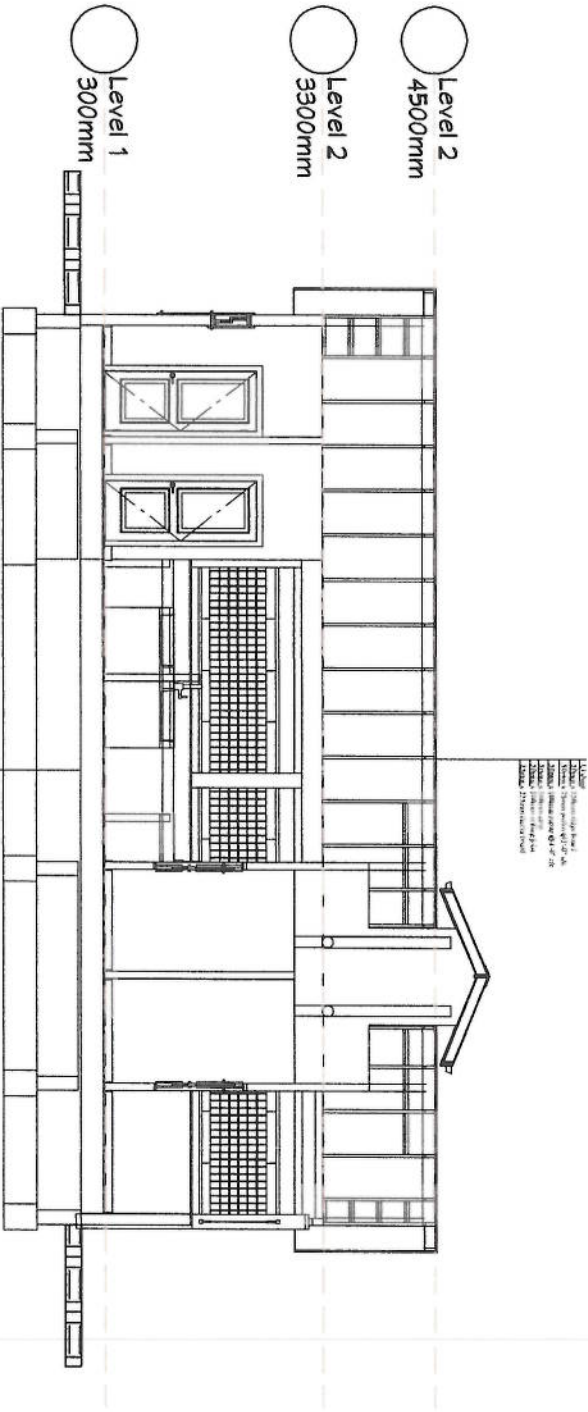
CLIENT
UNDP

DRAWING DESCRIPTION
SECTION X-X

Scale: 1:100

Date: NOVEMBER

Drawing Number	Revision
P03	



NOTE	
1. All stock wall thickness = 225mm	Design dimensions added
2. Gutter to eaves/corner must not be less than 25mm.	
3. All lap length should be 450.	

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PROJECT	
PROPOSED CONSTRUCTION OF PROCESSING BUILDING	

LOCATION	
GODRICH	

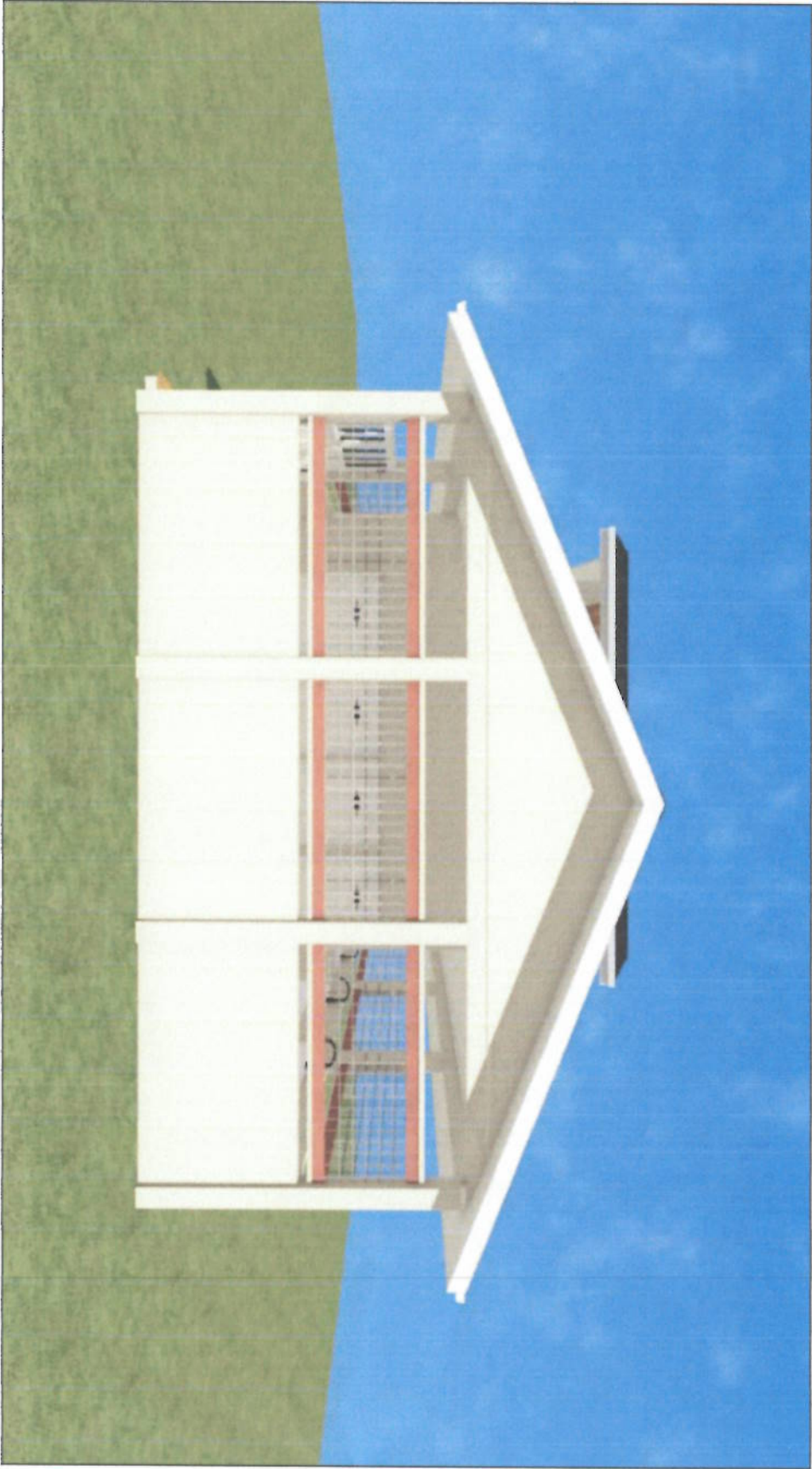
CLIENT	
UNDP	

DRAWING DESCRIPTION	
RIGHT VIEW	

Scale: 1:100

Date:	NOVEMBER
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Drawing Number	Revision
P06	



NOTE	
1. All blocks used shall be 225mm except otherwise stated.	
2. Cover to reinforcement must not be less than 25mm.	
3. All lap lengths should be 45D.	

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PROJECT	
PROPOSED CONSTRUCTION OF PROCESSING BUILDING	

LOCATION	
GODRICH	

CLIENT	
UNDP	

DRAWING DESCRIPTION	
PERSPECTIVE VIEW 2	

Scale:	1:100
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Date:	NOVEMBER
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Drawing Number		Revision	
P10			



NOTE	
1. All Block wall, Blockwork = 225mm except otherwise stated	
2. Cover to reinforcement must not be less than 25mm	
3. All Imp length should be 450.	

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PROJECT	
PROPOSED CONSTRUCTION OF PROCESSING BUILDING	

LOCATION	
GODRICH	

CLIENT	
UNDP	

DRAWING DESCRIPTION	
PERSPECTIVE VIEW 1	

Scale: 1:100	
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Date: NOVEMBER	
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Drawing Number	
P04	Revision



- NOTE
1. All block wall thickness = 225mm
 2. All block wall thickness = 225mm
 3. All block wall thickness = 225mm

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PROJECT

PROPOSED CONSTRUCTION OF
PROCESSING BUILDING

LOCATION

GODRICH

CLIENT

UNDP

DRAWING
DESCRIPTION

REAR VIEW

Scale: 1:100

Date:

NOVEMBER

Drawing Number	Revision
P05	



NOTE

1. All built up fillets = 25mm
2. Corners to be chamfered
3. Corners to reinforcement must not be less than 25mm.
4. All lap length should be 45D.

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PROJECT

PROPOSED CONSTRUCTION OF
PROCESSING BUILDING

LOCATION

GODRICH

CLIENT

UNDP

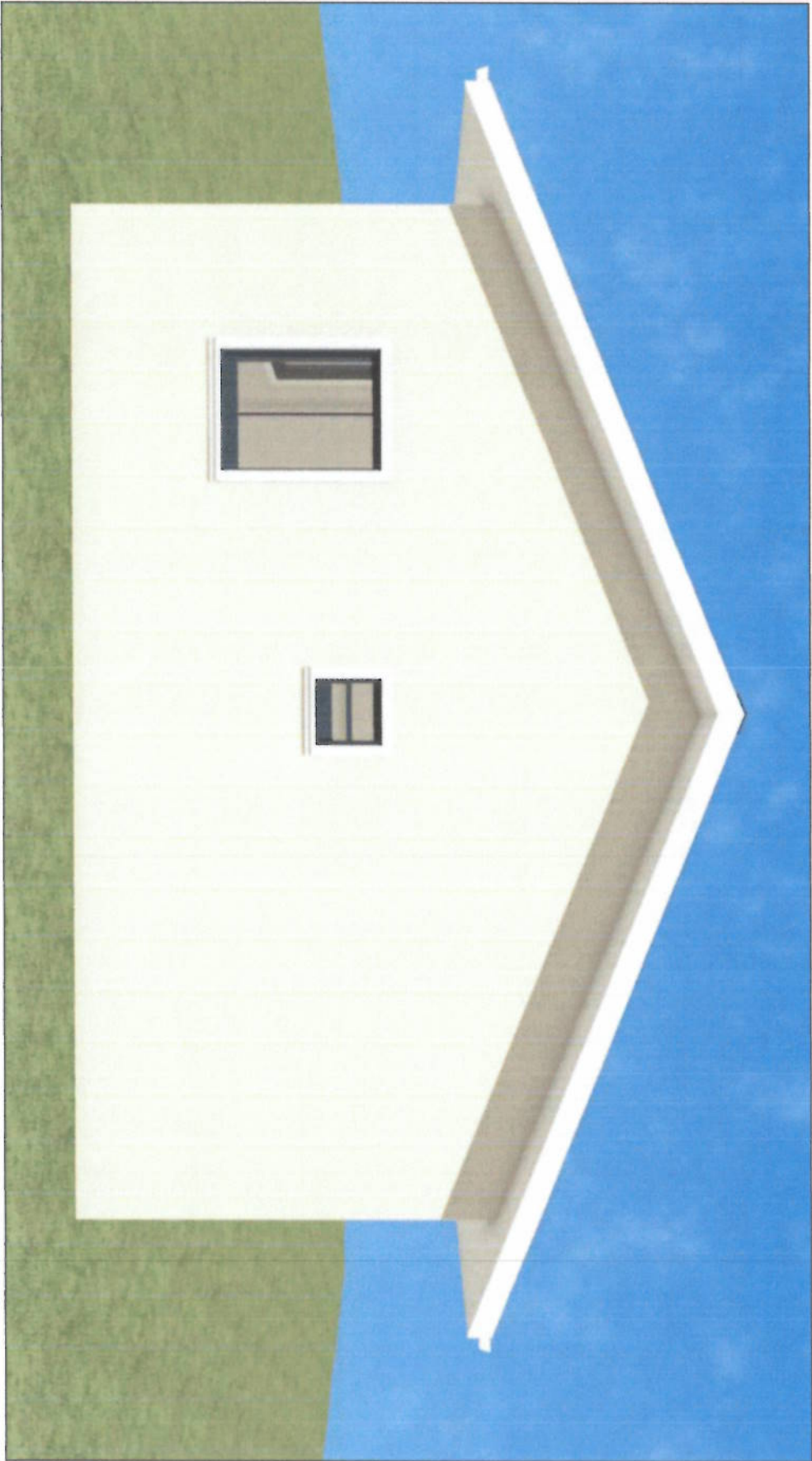
DRAWING
DESCRIPTION

LEFT VIEW

Scale: 1:100

Date: NOVEMBER

Drawing Number Revision
P01



NOTE	
1.	All doors will be 2000mm x 2200mm
2.	Windows will be 2000mm x 2200mm
3.	Windows will be 2000mm x 2200mm
4.	Windows will be 2000mm x 2200mm
5.	All heights should be 450.

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PROJECT	
PROPOSED CONSTRUCTION OF PROCESSING BUILDING	

LOCATION	
GODRICH	

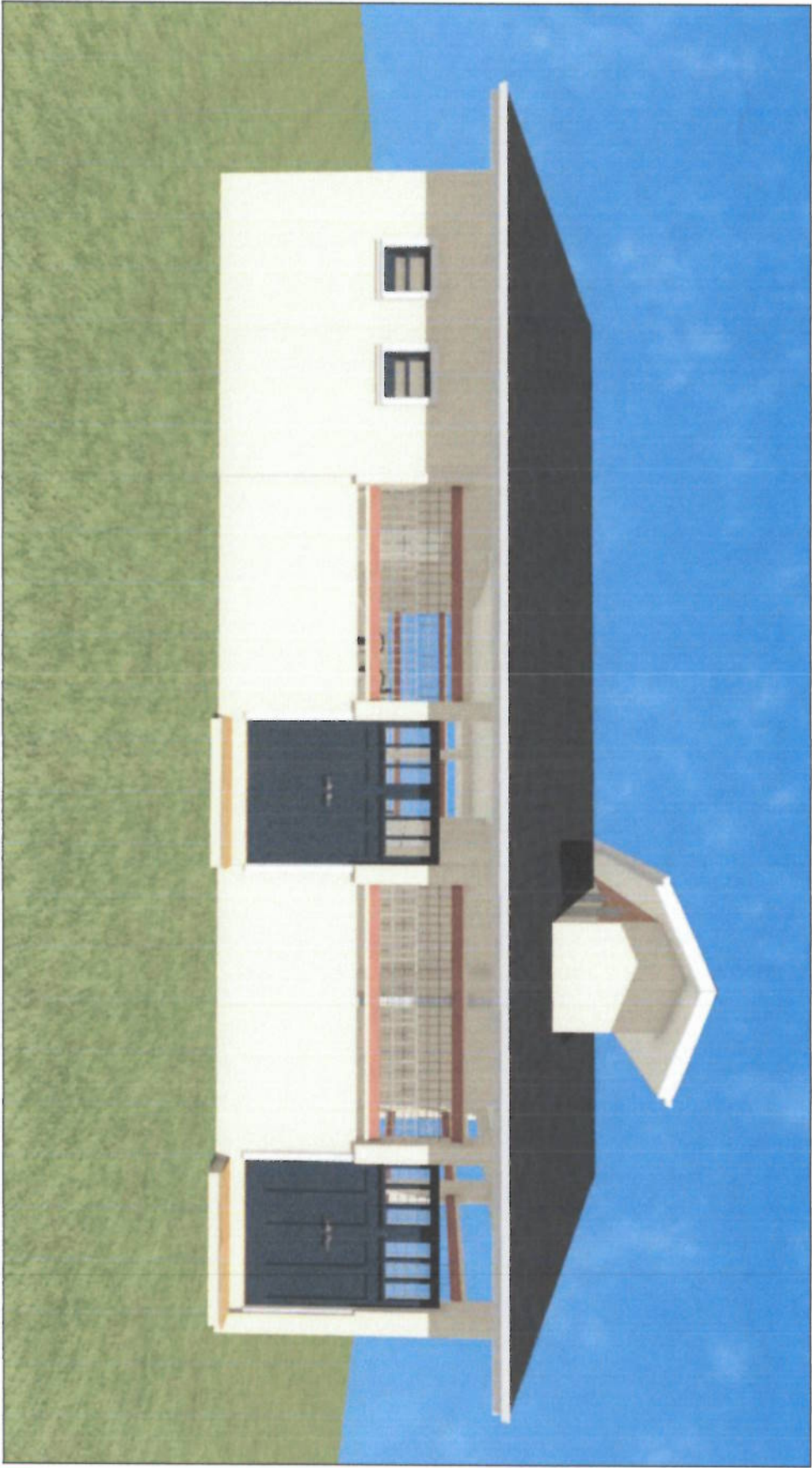
CLIENT	
UNDP	

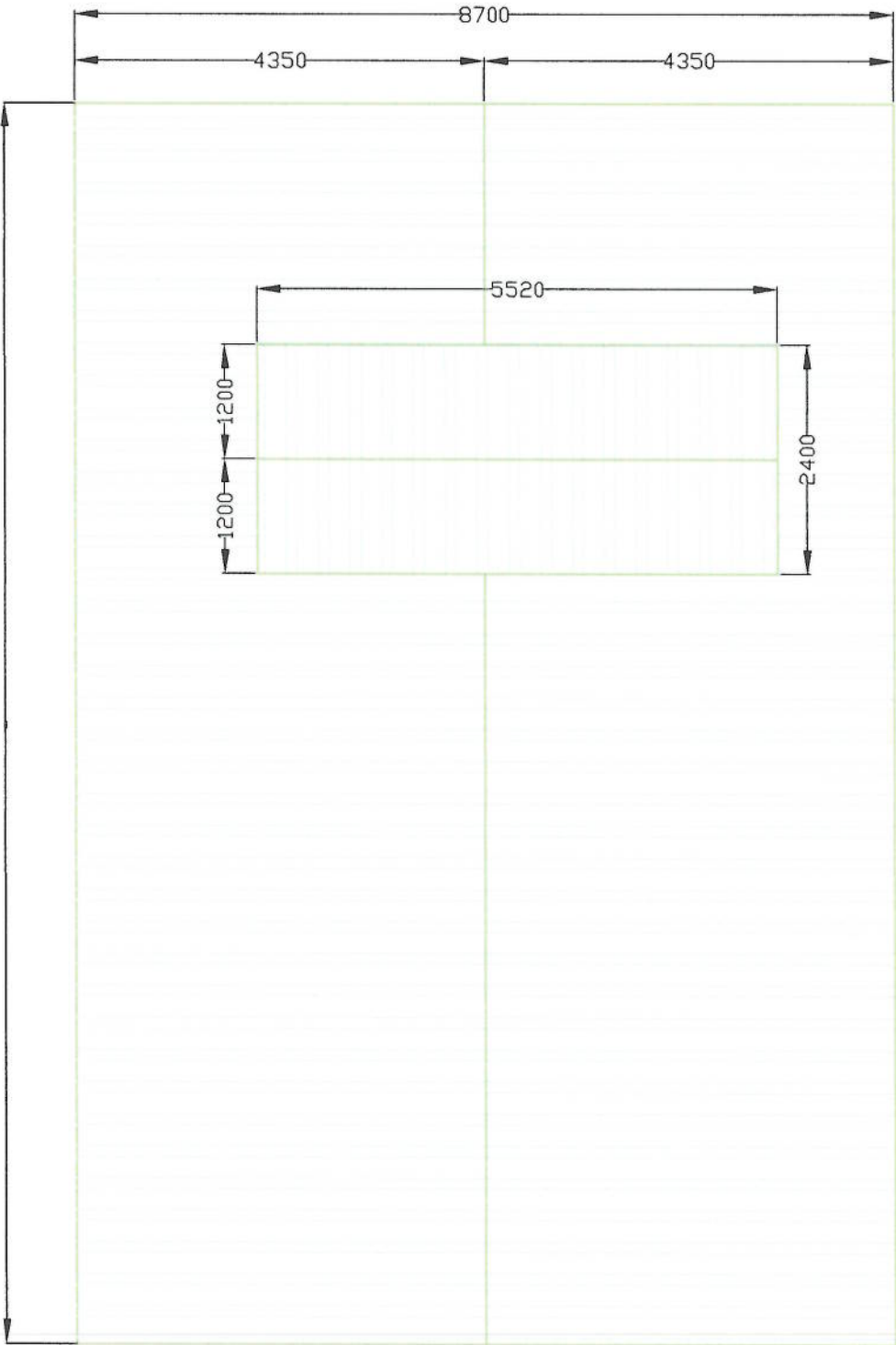
DRAWING DESCRIPTION	
FRONT VIEW	

Scale: 1:100	
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Date:	NOVEMBER
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Drawing Number:	Revision
P05	





GODRICH

NOTE

1. All block wall thicknesses = 225mm except otherwise noted
2. Concrete reinforcement must not be less than 25mm
3. All lap lengths should be 45D

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PROJECT

PROPOSED CONSTRUCTION OF
PROCESSING BUILDING

LOCATION

CLIENT

UNDP

DRAWING
DESCRIPTION

ROOF PLAN

Scale: 1:100

Date: NOVEMBER

Drawing Number: Revision
P11

NOTE
1. All poles and structures = 225mm except otherwise stated
2. Cover to reinforcement must not be less than 25mm
3. All lap length should be 45D.

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PROJECT
PROPOSED CONSTRUCTION OF PROCESSING BUILDING

LOCATION
TURTLE ISLAND CHOPPO

CLIENT
UNDP

DRAWING DESCRIPTION
PERSPECTIVE VIEW 2

Scale: 1:100

Date: NOVEMBER

Drawing Number: P10	Revision:
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