

Project Number:
VA-ONS-R-002

Issued Date:
September, 2022.

Drawing type:
Architectural Construction Drawings.



Proposed:

**FOUR (4) BEDROOM
DETACHED BUNGALOW**

Project Architect:



+234 703 997 1206
volarchy@gmail.com

No. 3, Awgbu Street, Upper Housing,
Abakpa, Enugu State.



APPROACH VIEW



REAR VIEW

3D VIEWS

PROJECT ARCHITECT:



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No. 3, Awgbu Street, Upper Housing,
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DRAWING FOOTNOTES

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Proposed:

FOUR (4) BEDROOM DETACHED BUNGALOW.

Designed and drawn by:

E. H. U. (Arc.)

Checked by:

Arc. U. C. (MNIA)

Discipline	Revision	Status
A	R-0	WD

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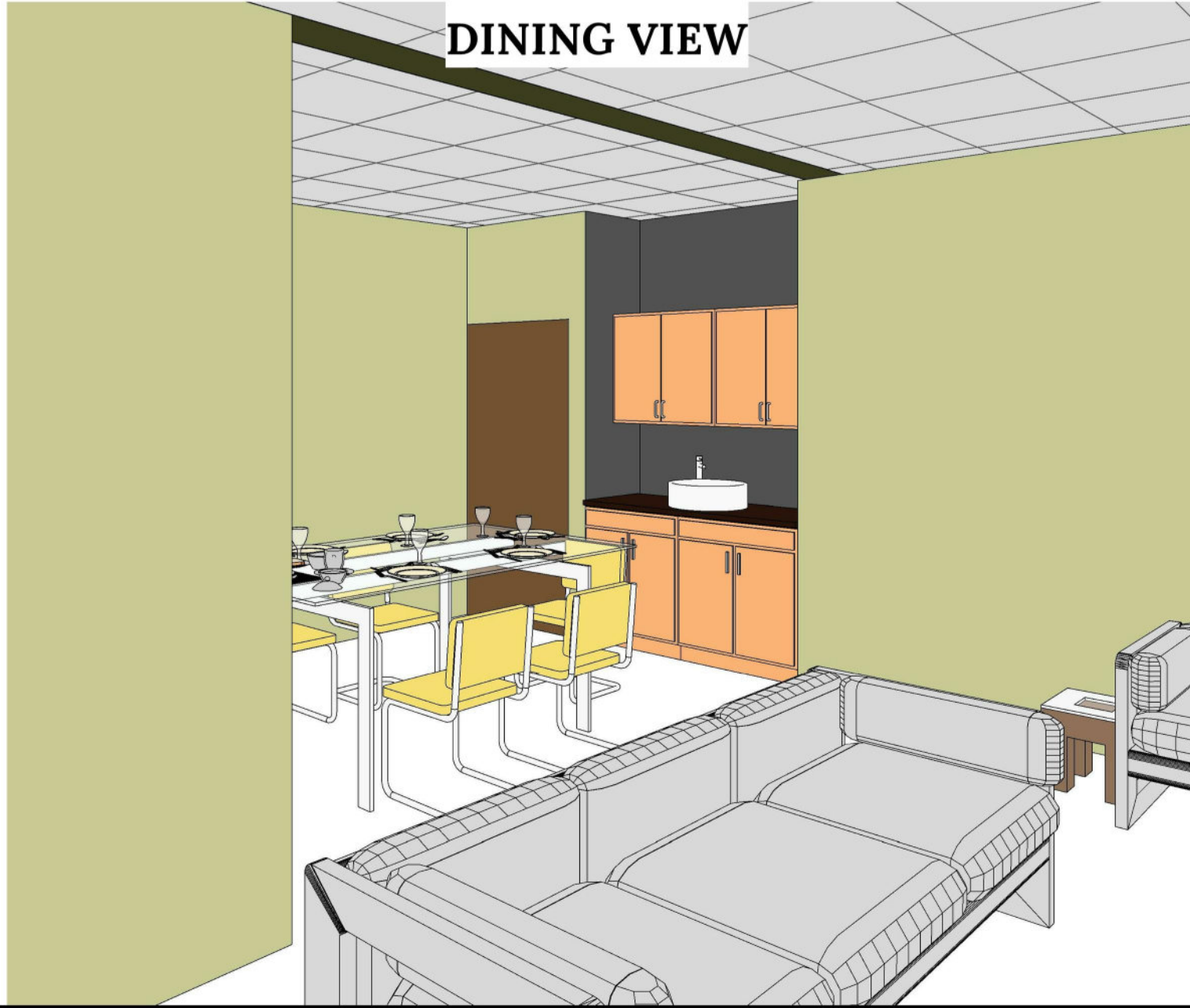
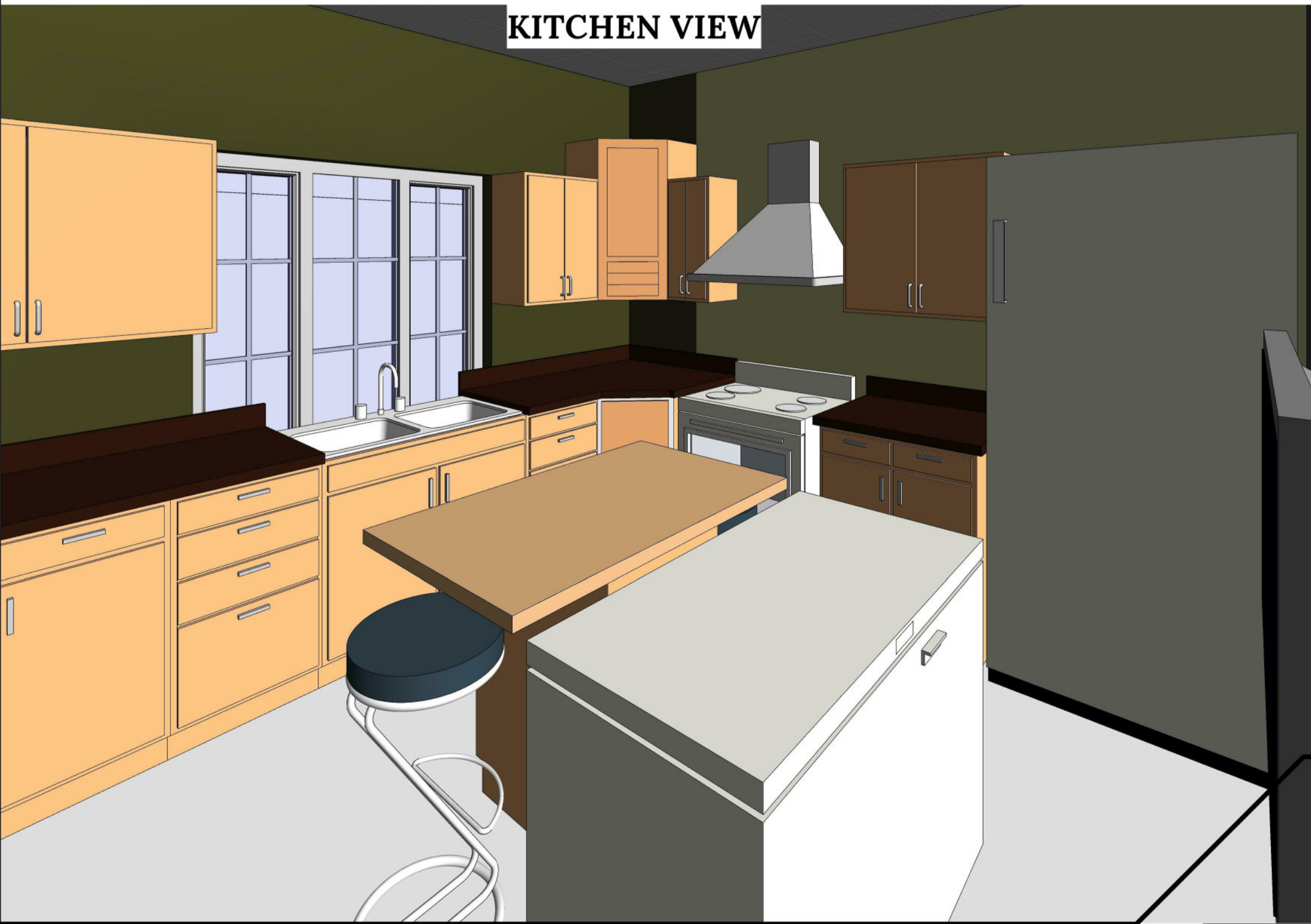
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A000-02



3D VIEWS

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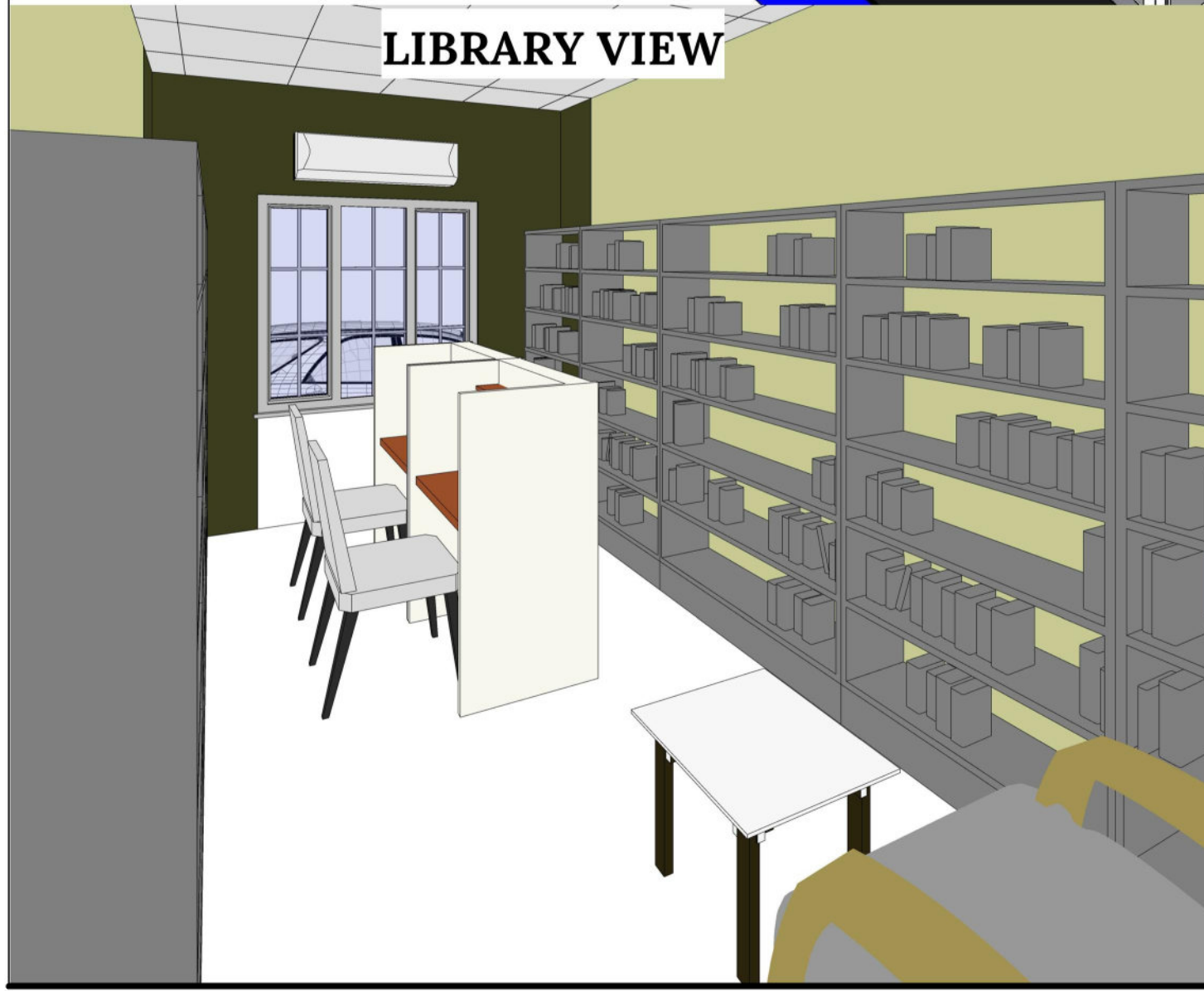
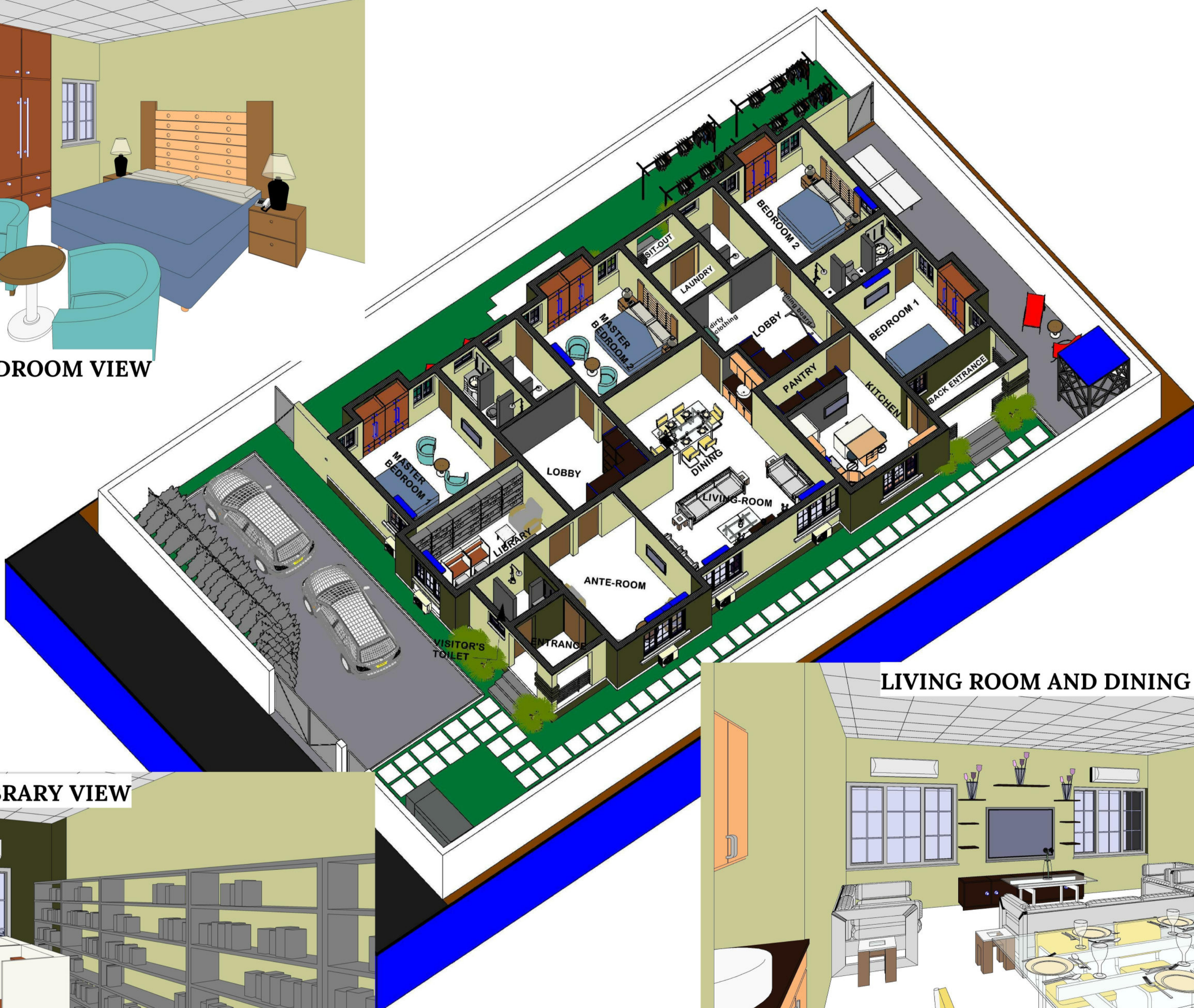
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A000-03



BEDROOM VIEW



LIBRARY VIEW



LIVING ROOM AND DINING VIEW

3D VIEWS

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A000-04

General notes	Site/Earthworks	Concrete Works	Sandcrete Blockwork
<p>1. All dimensions are in millimeters [mm], as preferred by the Architect and are to be read as in the drawing not to be scaled.</p> <p>2. All Dimensions are taken to grid lines and structural surfaces and not finished surfaces.</p> <p>3. In case of any difficulty in reading the dimensions or any alterations, please contact the Architect.</p> <p>4. All drawings are to be read in conjunction with the Architect's drawings and other specialist drawings.</p> <p>5. Any discrepancies between this drawing and the other drawings or the specification should be brought to the attention of the Architect.</p> <p>6. Authorization for the use of this drawing is deemed to be given after complete payment of professional fees.</p> <p>7. No part of this drawing should be reproduced without the approval of the Architect.</p> <p>8. The Architect and his building team shall not be liable for any Structural, Construction defects if the project is not supervised by them.</p> <p>9. The Architect must be notified of all on-site changes and adjustments, and must be documented on the working drawings.</p>	<p>1. Site must be cleared of stunts and obstacles before foundations lines are being pegged.</p> <p>2. Remove all top soil under slabs and provide at least 150mm well rammed and consolidated naturally occurring hardcore material or rock laterite under all ground bearing slab.</p> <p>3. Well consolidated, selected fill or mass concrete to be used to make up levels where necessary as agreed with the Engineer, for fill, layers not exceeded 225mm.</p> <p>4. Where bad ground/soil is encountered below foundation level, the difference in level between approved bearing stratum and original level is to be made up using mass concrete.</p> <p>5. The allowable ground pressure assumed for the foundation design is 200KN/sqm soil test should be done to ascertain the actual bearing capacity, the cost of which shall be borne by the client.</p> <p>6. External wall footing to be 1m minimum depth below existing ground level or final ground level which is lower.</p> <p>7. When selected fill is used for making up levels to form a piling platform, the maximum size of aggregate is not to exceed 75mm.</p> <p>8. Basement and similar construction shall incorporate basement tanking comprising 3 layers, bituminous felt, 25mm thick damp proof membrane protected by 10mm thick concrete reinforced with BRC 65.</p>	<p>1. Maximum size of coarse aggregate to 19mm / 20mm unless otherwise specified.</p> <p>2. Concrete to be grade 25N/sqmm in foundations and superstructure.</p> <p>3. All mildsteel reinforcement (R) should be according to BS 449 and in millimeter size.</p> <p>4. High tensile (T) round reinforcement to BS 449 and BS 4466.</p> <p>5. All reinforce concrete works must be to either of the following mix ratios: (a) 1 : 1.5 : 3 - High strength structural concrete. (b) 1 : 2 : 4 - Ordinary Reinforced concrete, Beams, stairs foundations. (c) 1 : 3 : 6 - Mass concrete elements, with or without vibration, foundations.</p> <p>Cement/Sand Screeding</p> <p>1. All wall joints and beddings are to be of 20mm cement/sand screed.</p> <p>2. Mixture ratio includes: (a) 1 : 3 - Screeding, Flooring, Plastering. (b) 1 : 8 - Sandcrete Hollowed blocks.</p> <p>3. All construction joints positions are to be approved by the Engineer/Architect prior to casting but these should not be spaced more than 10.0mm apart.</p> <p>4. 50 mm blinding : under strip foundations and column pads .</p>	<p>1. (230 x 450 x 220)mm hollowed sandcrete block with 2.8N/mm compressive strength to be used for substructural and superstructural walls.</p> <p>2. (150 x 450 x 220)mm hollowed sandcrete block with 2.8N/mm compressive strength to be used for superstructural walls where required.</p> <p>3. Hollow blocks below ground slab levels are to be filled with mass concrete.</p> <p>4. Backfill is to be carried out simultaneously on both sides to avoid pulling from one side.</p> <p>5. Wall plastering should not exceed 15mm on each side of the wall, unless otherwise stated.</p> <p>6. All blockwork ties between blockwork and columns/stanchions are to be approved at all courses. Tiles to be 6mm bar straps 700mm long into the blockwork.</p> <p>7. Maximum pour height for all filled blockwork to be two courses at a time.</p>
		Timber Works	
		<p>1. All wood/timber for non-structural works shall be of softwood.</p> <p>2. All wood/timber for structural works shall be of hardwood.</p>	

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Proposed:

FOUR (4)

BEDROOM

DETACHED

BUNGALOW.

Designed and drawn by:

E. H. U. (Arc.)

Checked by:

Arc. U. C. (MNIA)

Discipline	Revision	Status
A	R-0	WD

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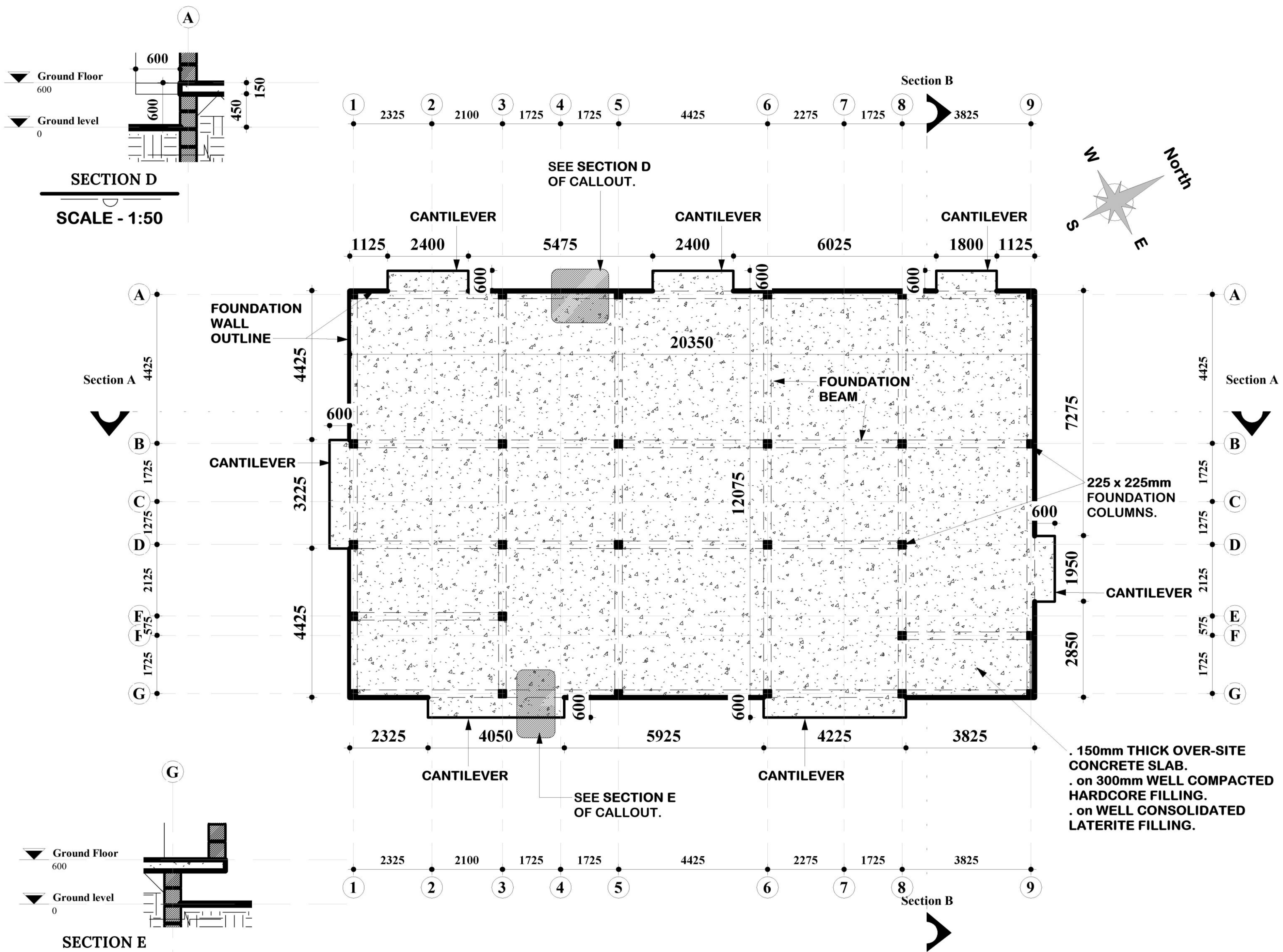
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A000-05

CONSTRUCTION NOTES



SECTION D
SCALE - 1:50

SECTION E
SCALE - 1:50

FLOOR FRAMING PLAN

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1 : 100

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A200-01

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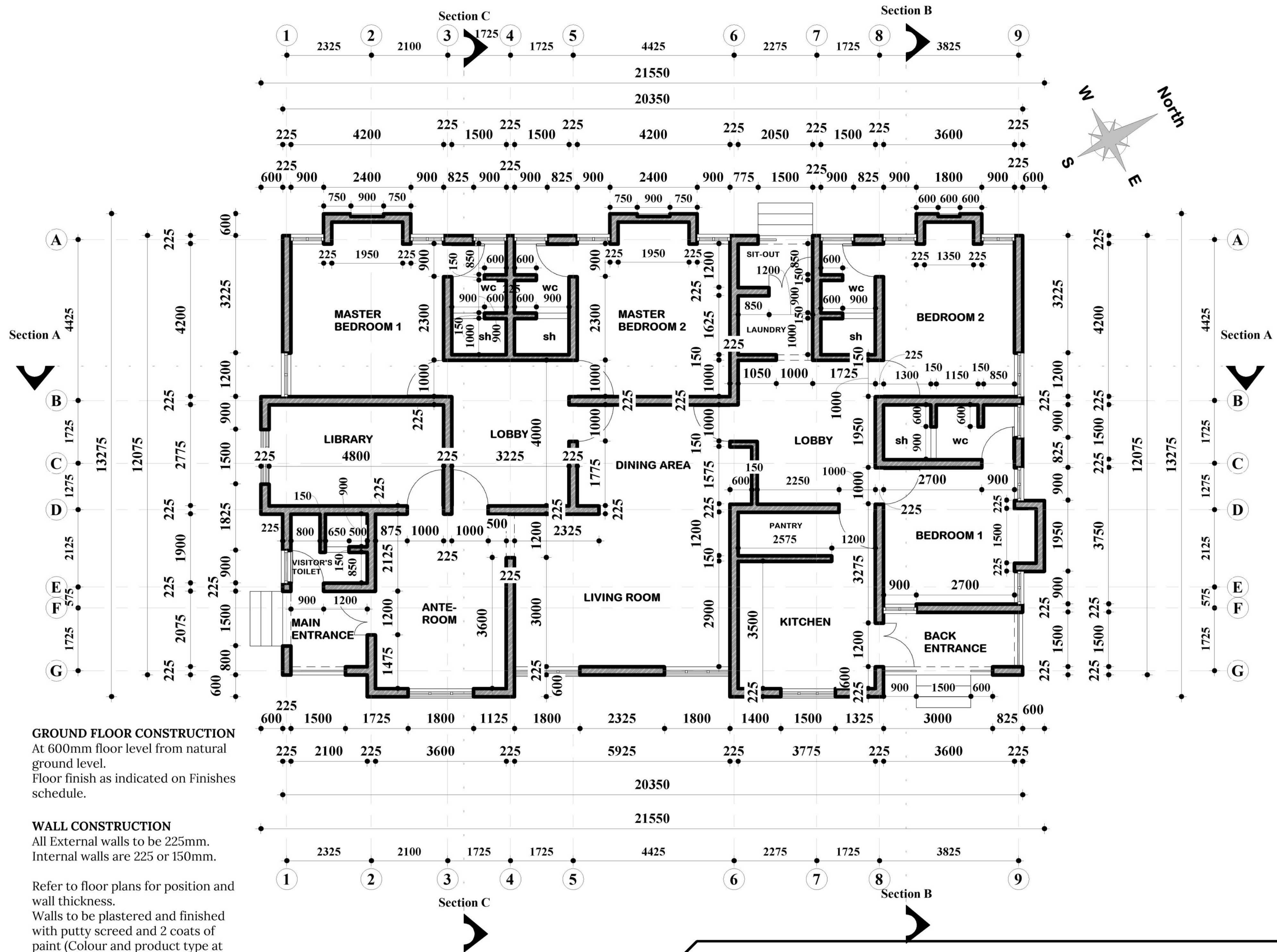
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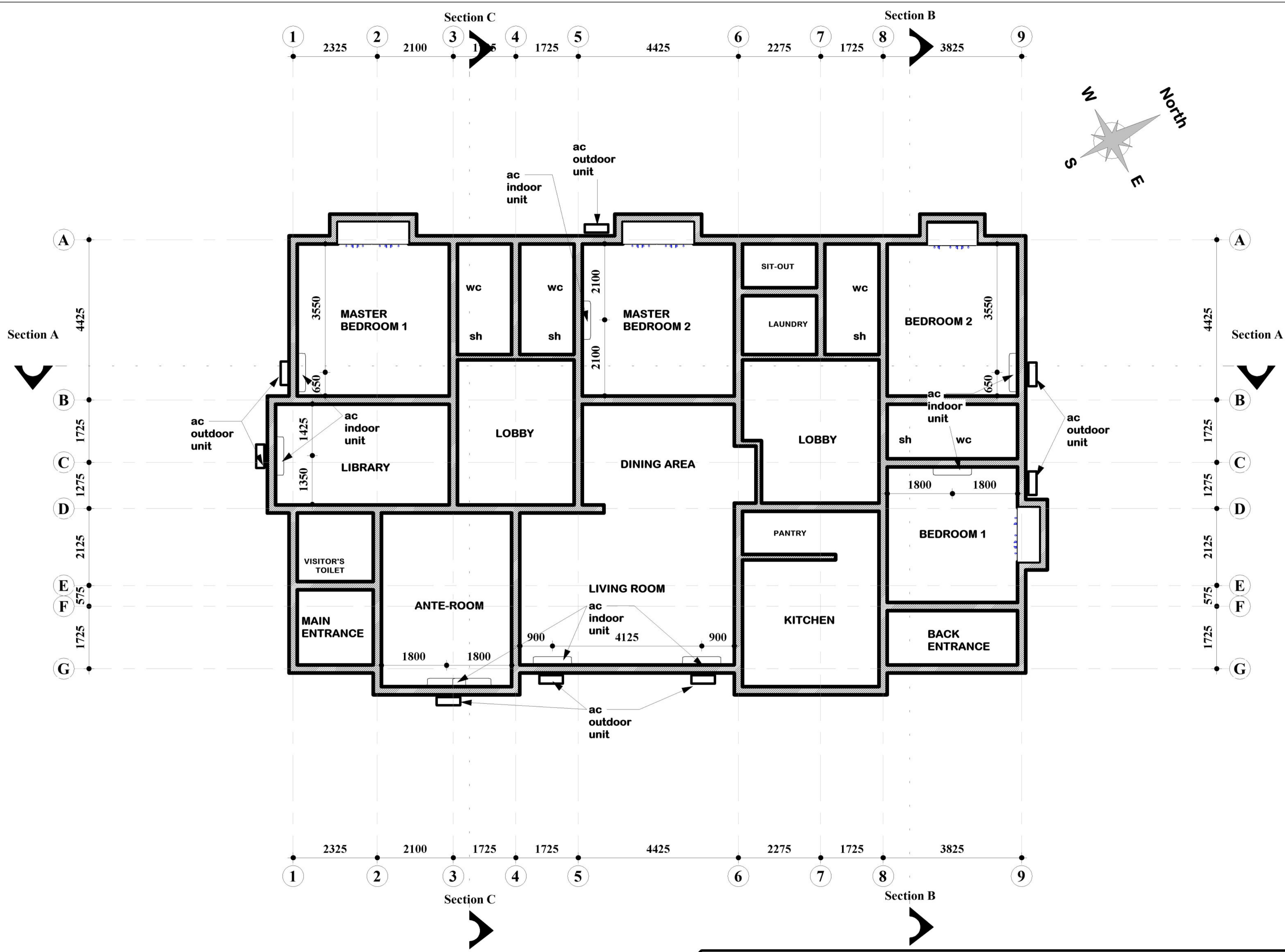
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A200-02




GROUND FLOOR PLAN

CUTPLANE: 1500mm from structural floor level.



GROUND FLOOR PLAN
CUTPLANE: 2700mm from structural floor level.

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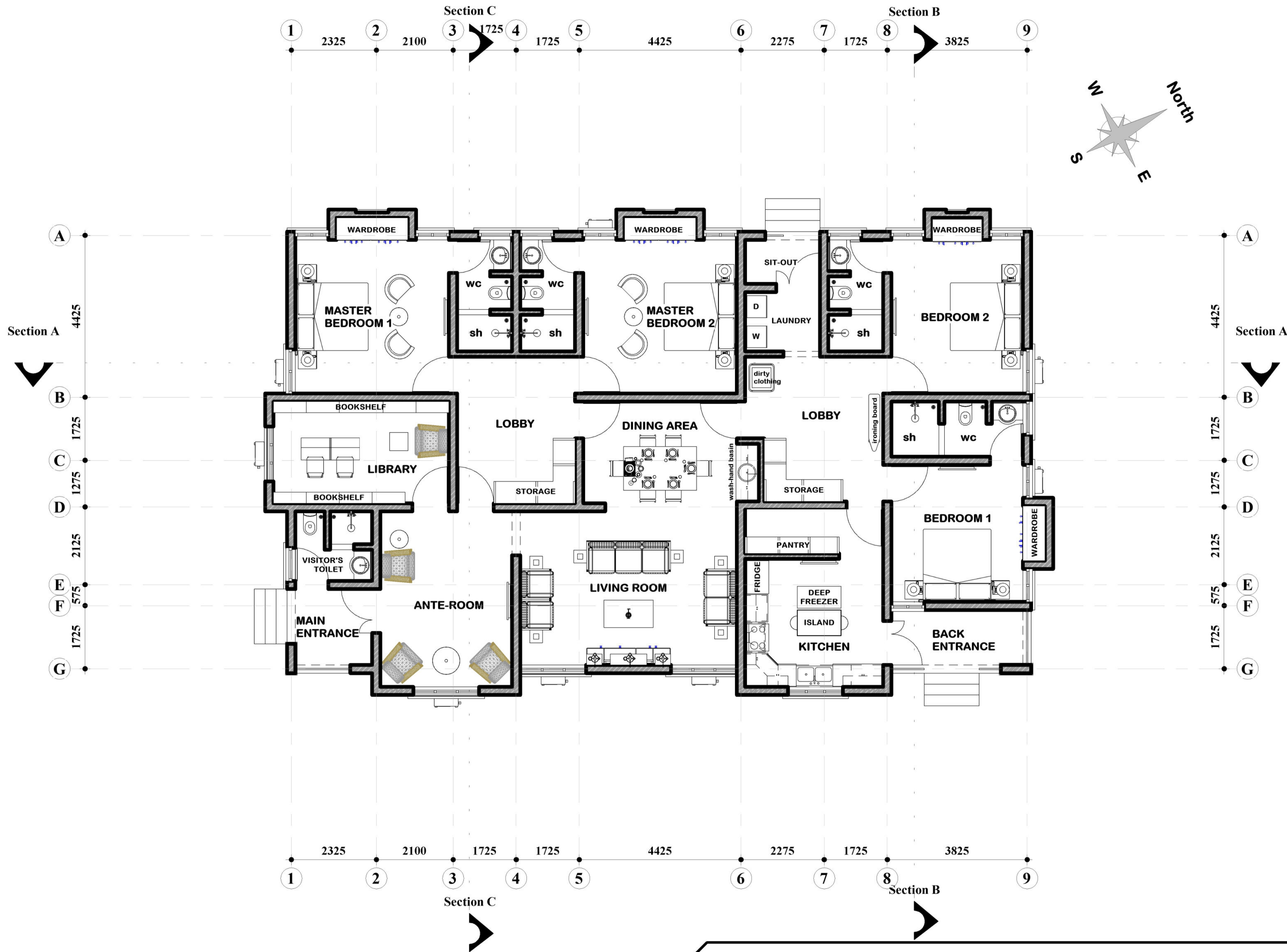
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GROUND FLOOR PLAN
FURNITURE LAYOUT

PROJECT ARCHITECT:



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A200-04

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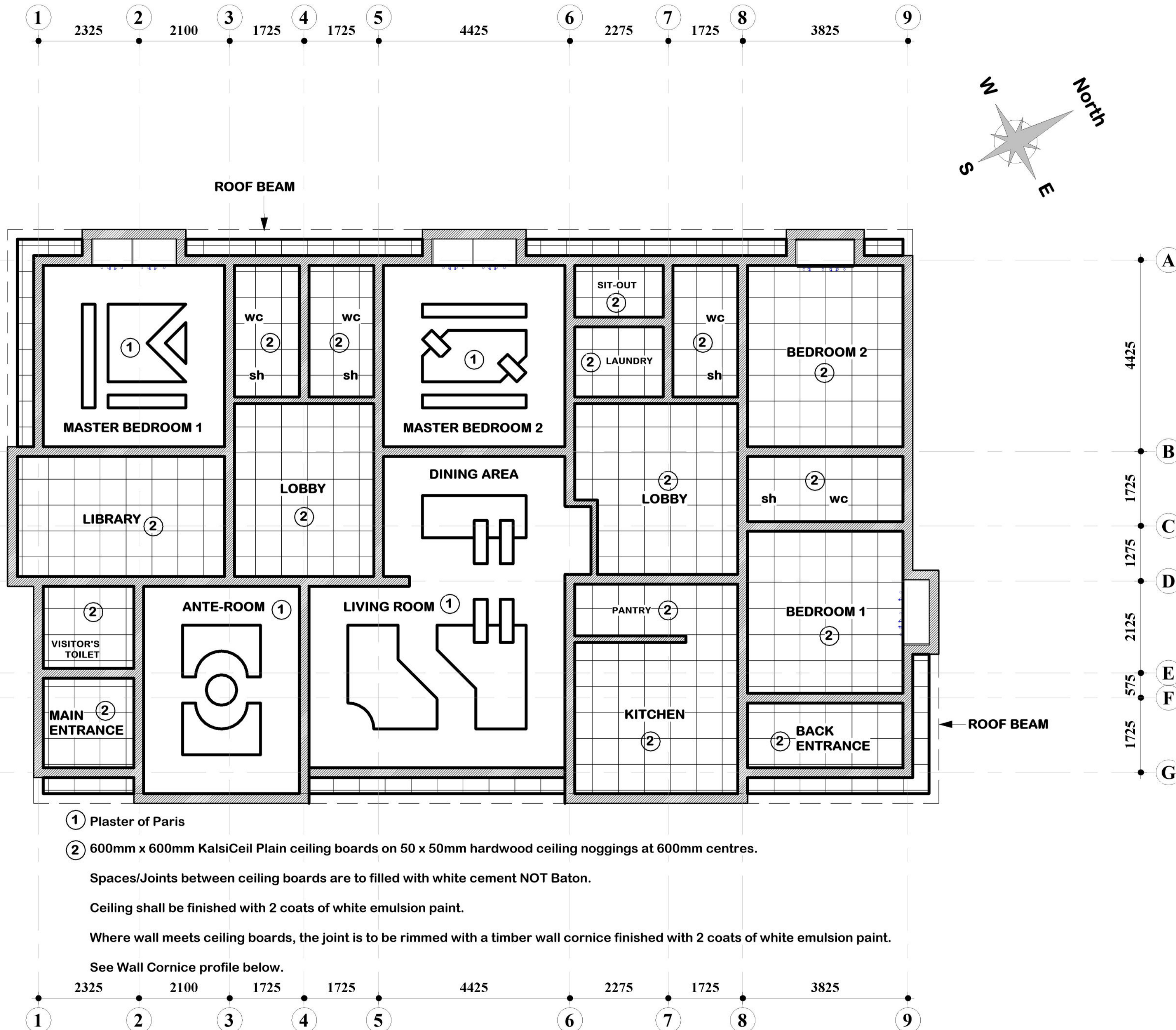
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A200-06



① Plaster of Paris

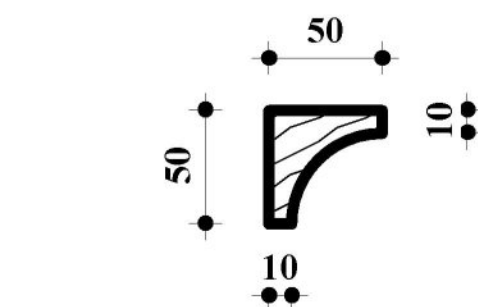
② 600mm x 600mm KalsiCeil Plain ceiling boards on 50 x 50mm hardwood ceiling noggings at 600mm centres.

Spaces/Joints between ceiling boards are to filled with white cement NOT Baton.

Ceiling shall be finished with 2 coats of white emulsion paint.

Where wall meets ceiling boards, the joint is to be rimmed with a timber wall cornice finished with 2 coats of white emulsion paint.

See Wall Cornice profile below.

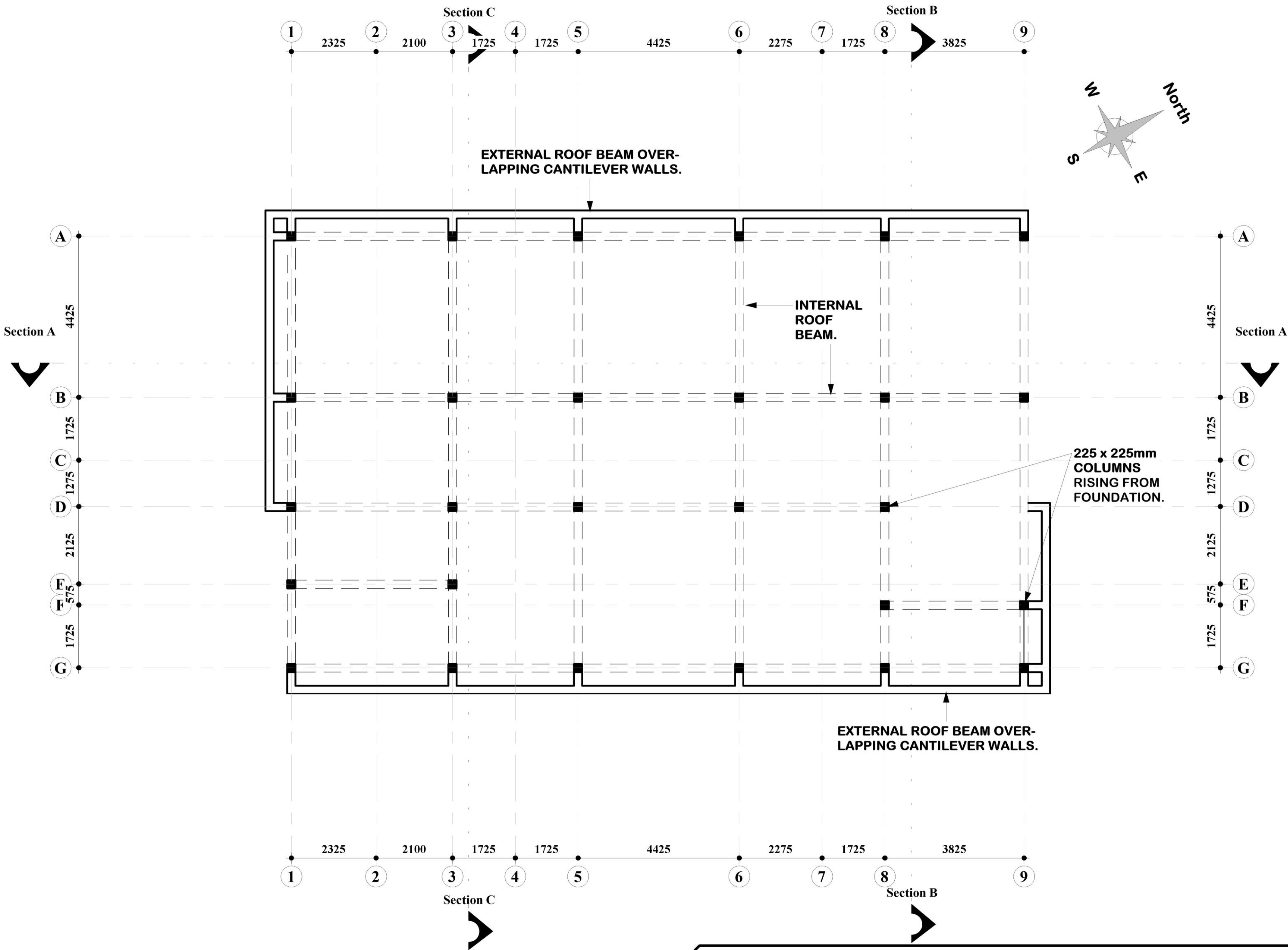


WALL CORNICE PROFILE

SCALE - 1:10

GROUND FLOOR PLAN

CEILING REFLECTED PLAN



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A200-07

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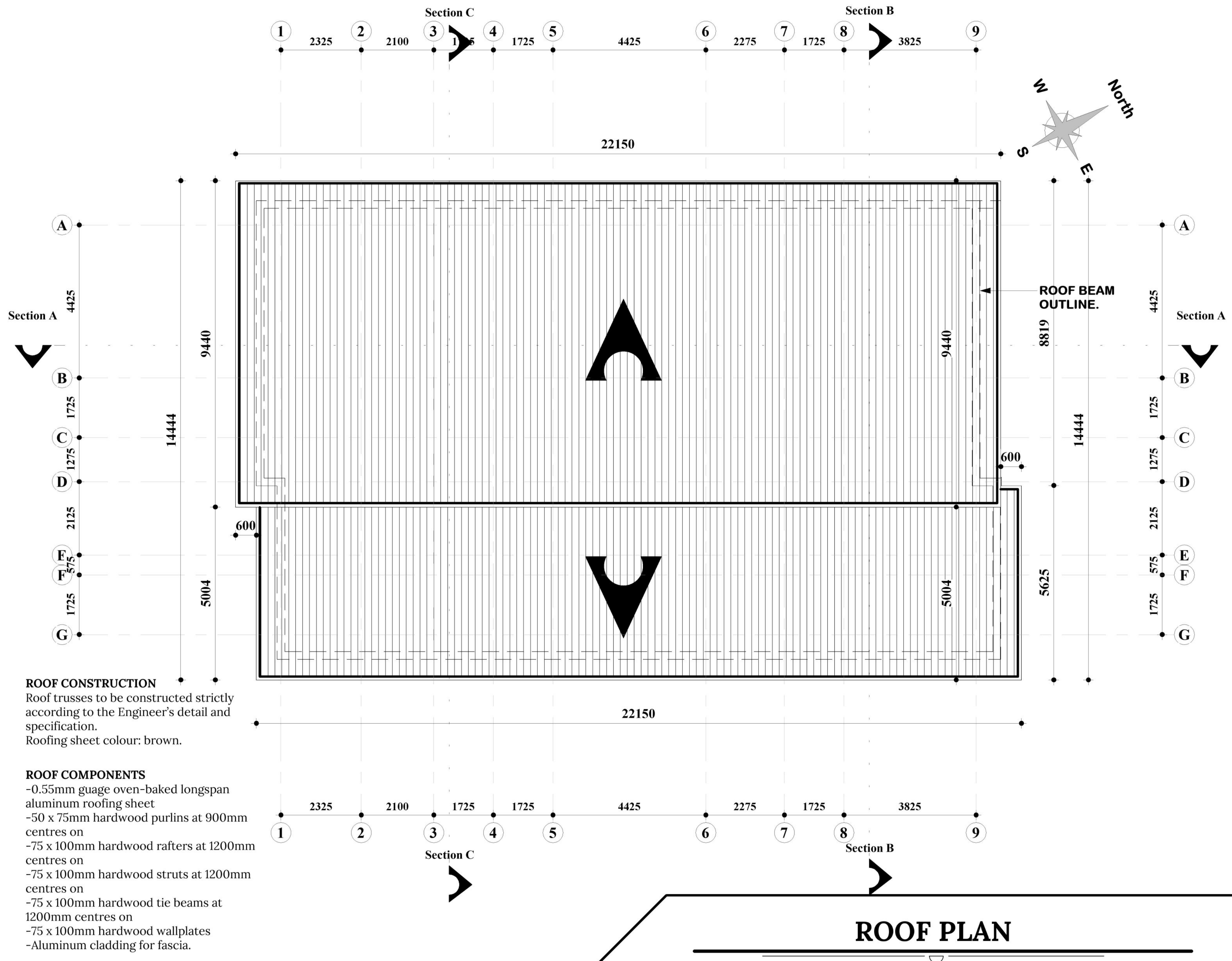
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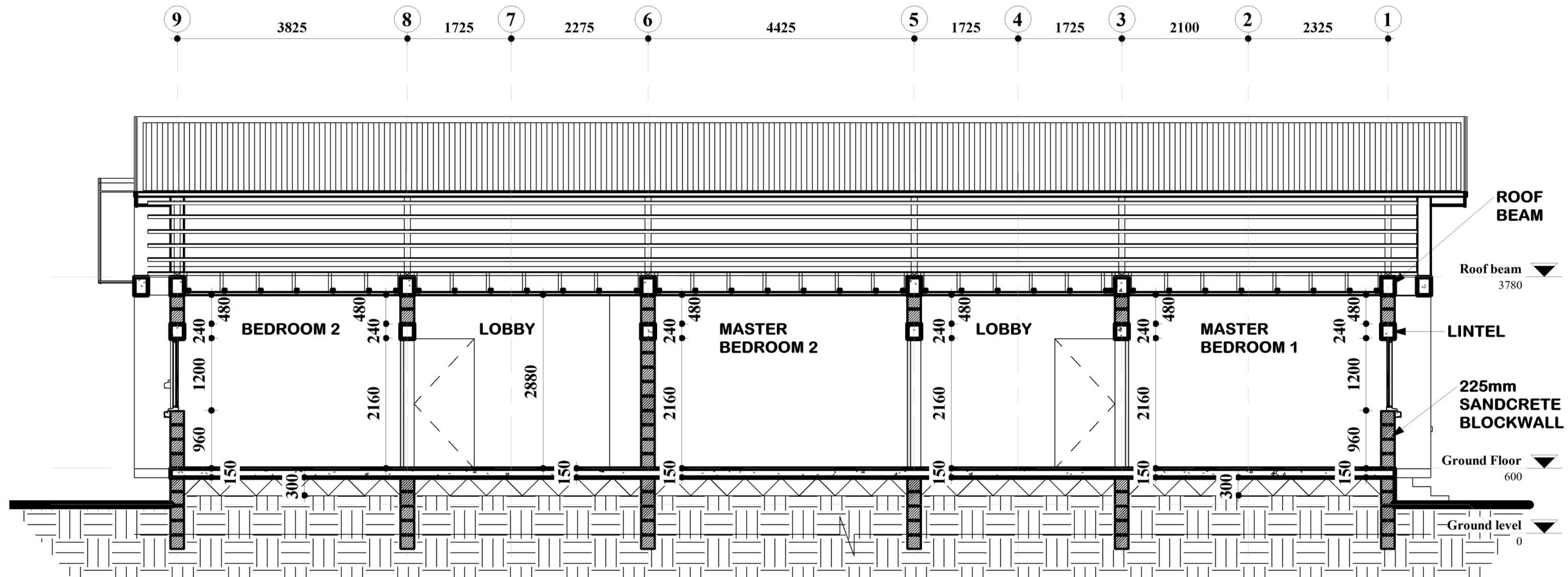
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VA-ONS-R-002

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A200-08





ROOF CONSTRUCTION

- 0.55mm guage oven-baked longspan aluminum roofing sheet
- 50 x 75mm hardwood purlins at 900mm centres on
- 75 x 100mm hardwood rafters at 1200mm centres on
- 75 x 100mm hardwood struts at 1200mm centres on
- 75 x 100mm hardwood tie beams at 1200mm centres on
- 75 x 100mm hardwood wallplates on
- Aluminum cladding for fascia.

DAMP-PROOFING

0.3mm thick, 1200mm guage monarflex DPM laid underneath RC floor before concreting.

FOUNDATION

Foundation footing and Depth of foundation subject to engineer's drawings and soil test report. 1:2:4 standard concrete mix ratio.

EAVES AND RAINWATER COLLECTORS

Ogee seamless aluminum gutter 125 x 85 x 0.6mm thick, secured to 12 x 200mm unpressed Fascia that is fixed to a 22 x 150mm SA pine fascia plan.

Roof eaves at 600mm to Engineer's specifications.

Install Aluminium mesh leaf Trap set over gutter with 100 x 75mm rectangular fluted Aluminum downpipe. Fixed to wall with holder bats, seal gutters and downpipes on the inside with silicone sealant.

LINTEL

RC Lintels over all windows, doors and openings; projecting not less than 1500mm into the blockwork on both sides.

SECTION A-A

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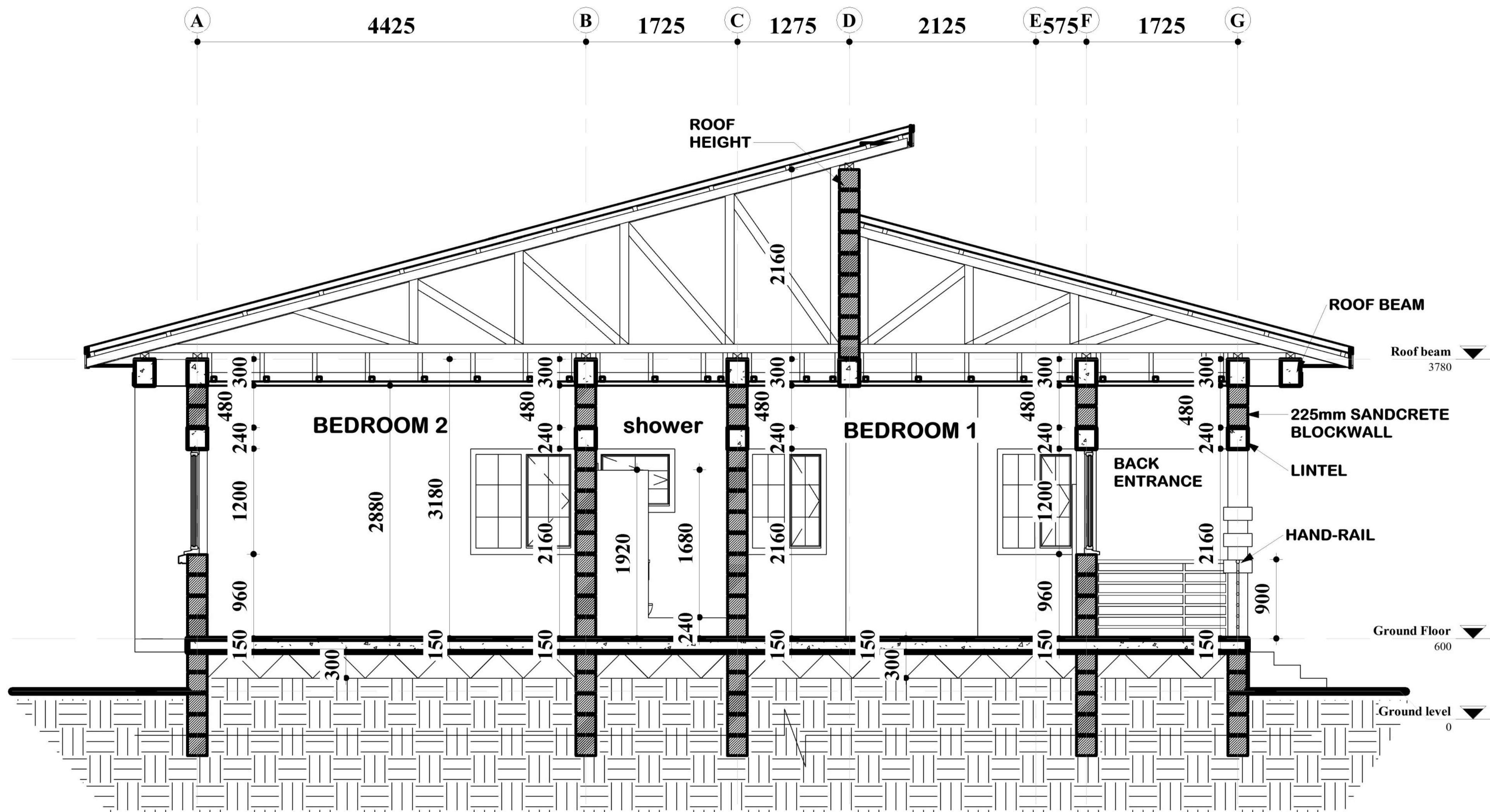
VA-ONS-R-002

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A300-01



ROOF CONSTRUCTION

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- 75 x 100mm hardwood struts at 1200mm centres on
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- Aluminum cladding for fascia.

DAMP-PROOFING

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SECTION B-B

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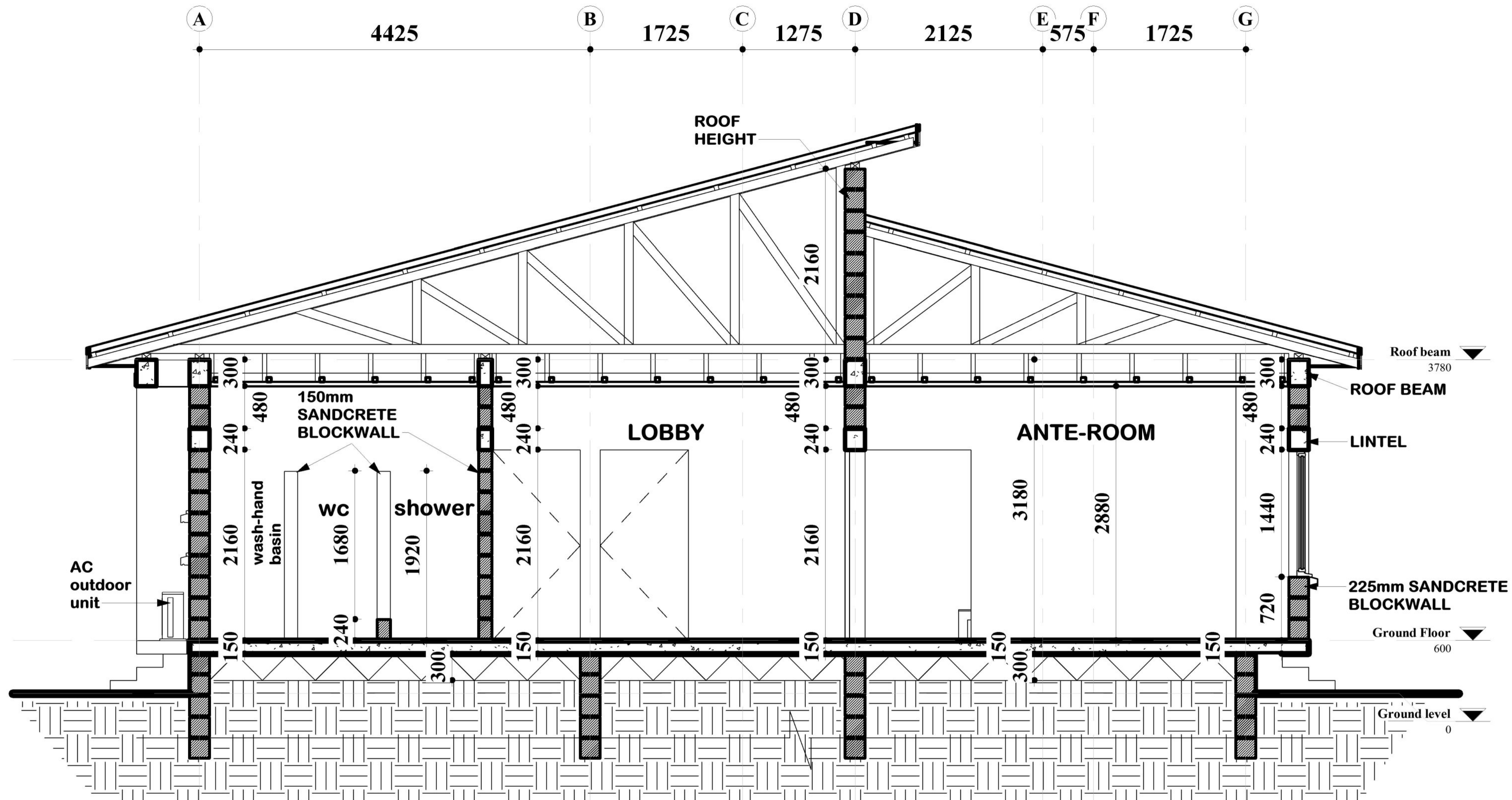
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A300-02



ROOF CONSTRUCTION

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SECTION C-C

PROJECT ARCHITECT:



+234 703 997 1206
volarchy@gmail.com
No. 3, Awgbu Street, Upper Housing,
Abakpa, Enugu State.

DRAWING FOOTNOTES

Drawings are to be read and not scaled.
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Contractor is to confirm dimensions from the Architect.

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Proposed:

FOUR (4) BEDROOM DETACHED BUNGALOW.

Designed and drawn by:

E. H. U. (Arc.)

Checked by:

Arc. U. C. (MNIA)

Discipline	Revision	Status
A	R-0	WD

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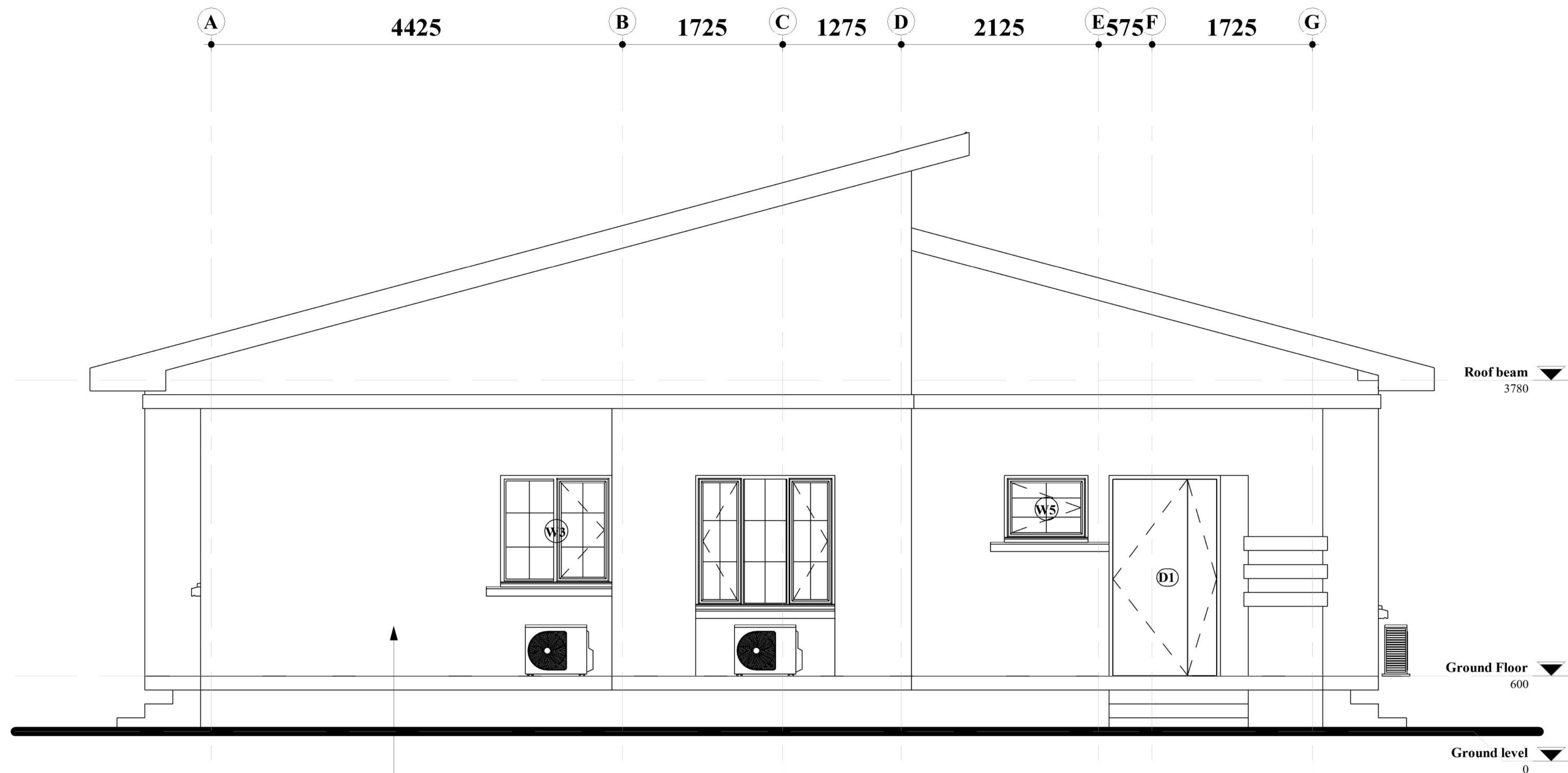
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A300-03



APPROACH ELEVATION

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Proposed:

FOUR (4) BEDROOM DETACHED BUNGALOW.

Designed and drawn by:

E. H. U. (Arc.)

Checked by:

Arc. U. C. (MNIA)

Discipline	Revision	Status
A	R-0	WD

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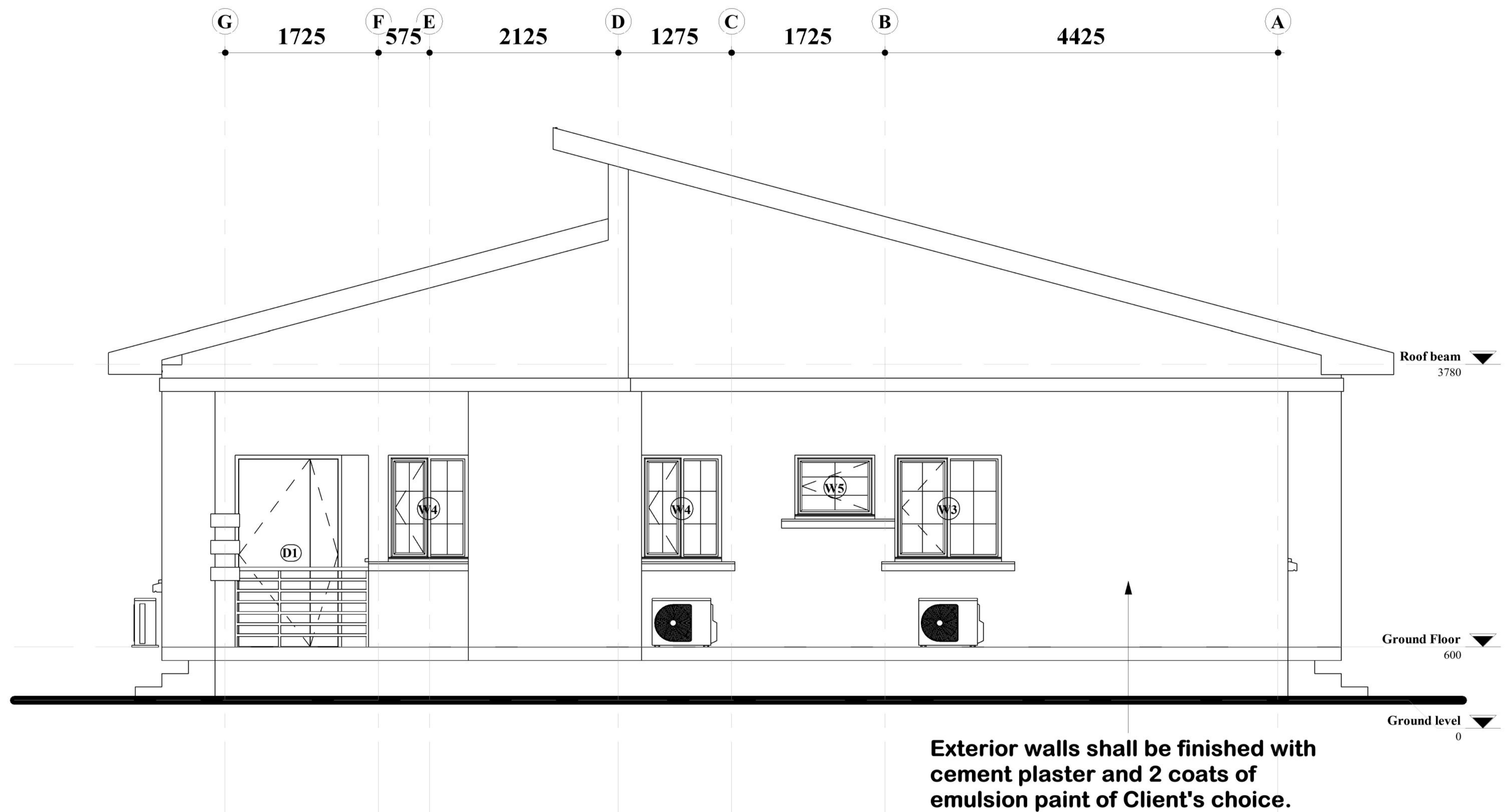
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Sheet Index:

A400-01



REAR ELEVATION

PROJECT ARCHITECT:



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volarchy@gmail.com
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commencement of work.

Proposed:

FOUR (4) BEDROOM DETACHED BUNGALOW.

Designed and drawn by:

E. H. U. (Arc.)

Checked by:

Arc. U. C. (MNIA)

Discipline	Revision	Status
A	R-0	WD

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Project Number:

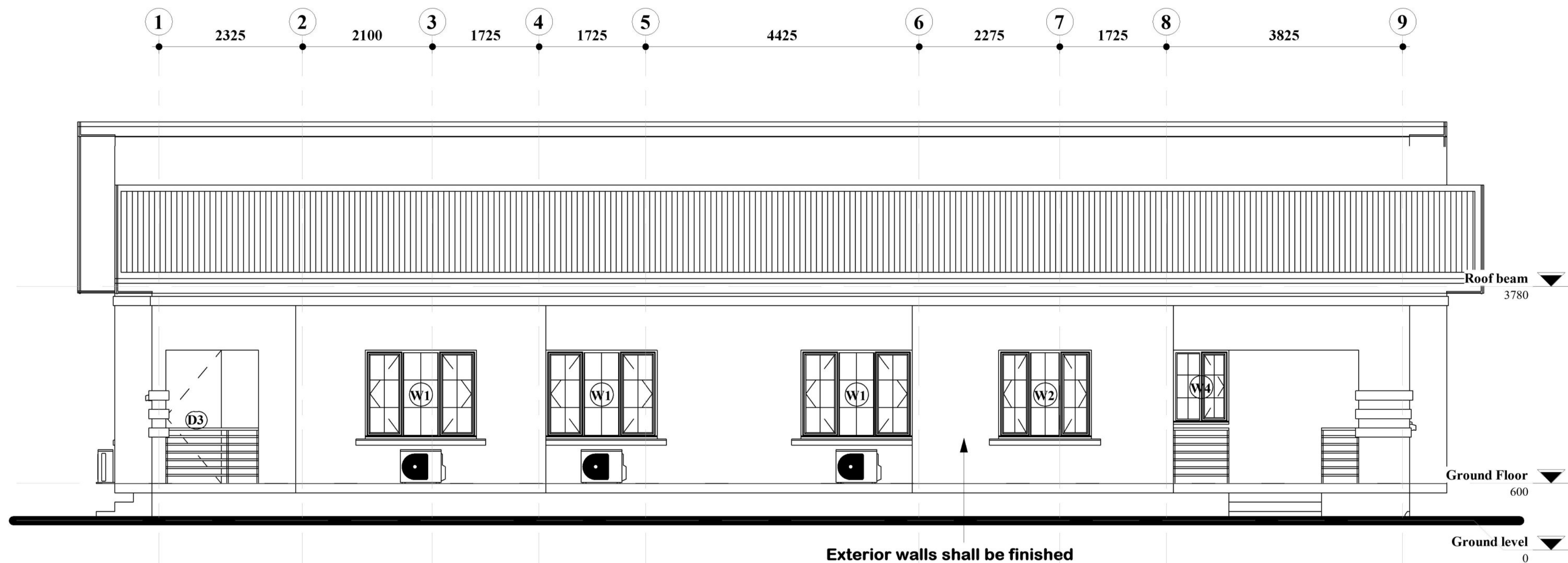
VA-ONS-R-002

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Scale:	1 : 50
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Sheet Index:

A400-02



Exterior walls shall be finished
with cement plaster and 2 coats
of emulsion paint of Client's
choice.

RIGHT-SIDE ELEVATION

PROJECT ARCHITECT:



+234 703 997 1206
volarchy@gmail.com
No. 3, Awgbu Street, Upper Housing,
Abakpa, Enugu State.

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commencement of work.

Proposed:

FOUR (4) BEDROOM DETACHED BUNGALOW.

Designed and drawn by:

E. H. U. (Arc.)

Checked by:

Arc. U. C. (MNIA)

Discipline	Revision	Status
A	R-0	WD

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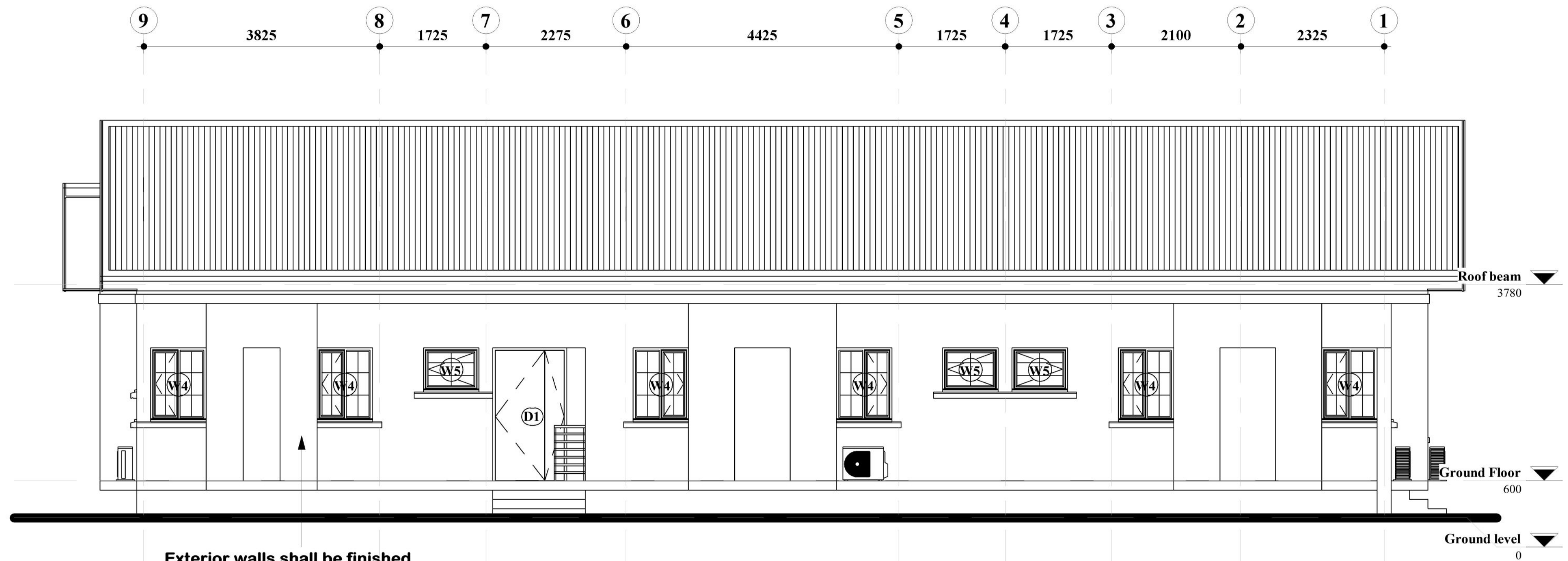
September, 2022.

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A400-03



Exterior walls shall be finished with cement plaster and 2 coats of emulsion paint of Client's choice.

LEFT-SIDE ELEVATION

PROJECT ARCHITECT:



+234 703 997 1206
volarchy@gmail.com
No. 3, Awgbu Street, Upper Housing,
Abakpa, Enugu State.

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Proposed:

FOUR (4)
BEDROOM
DETACHED
BUNGALOW.

Designed and drawn by:

E. H. U. (Arc.)

Checked by:

Arc. U. C. (MNIA)

Discipline	Revision	Status
A	R-0	WD

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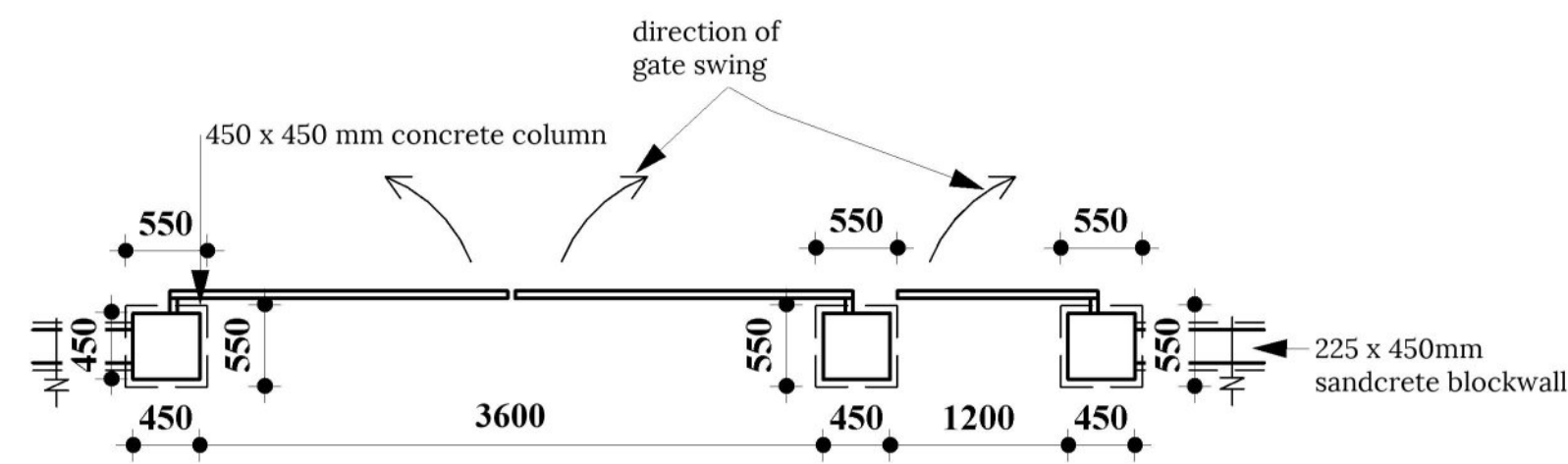
Project Number:

VA-ONS-R-002

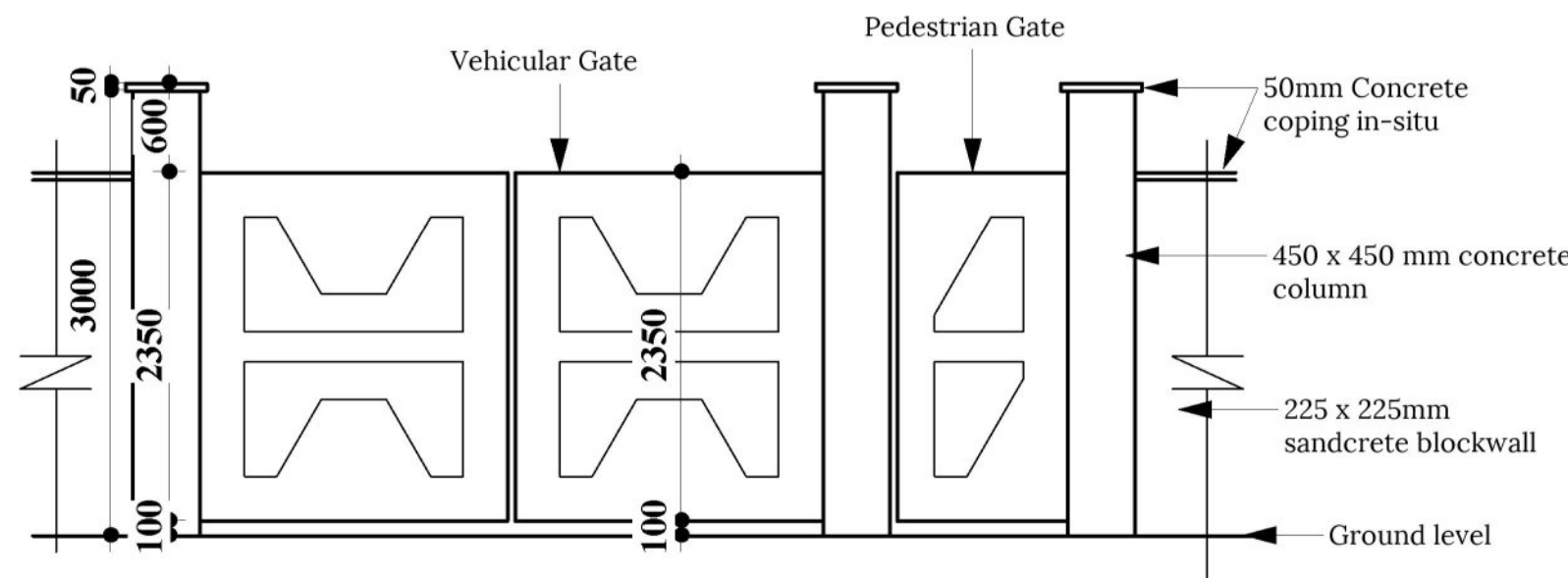
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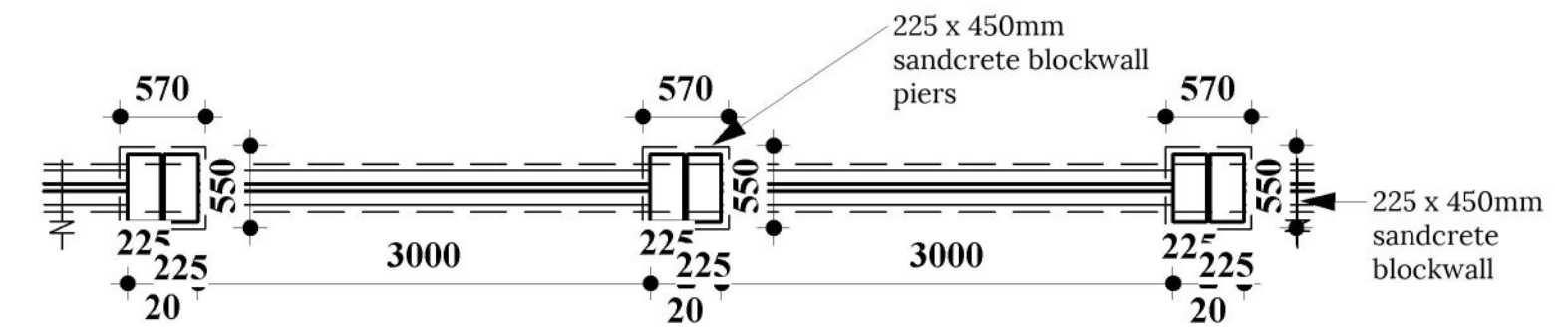
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A400-04



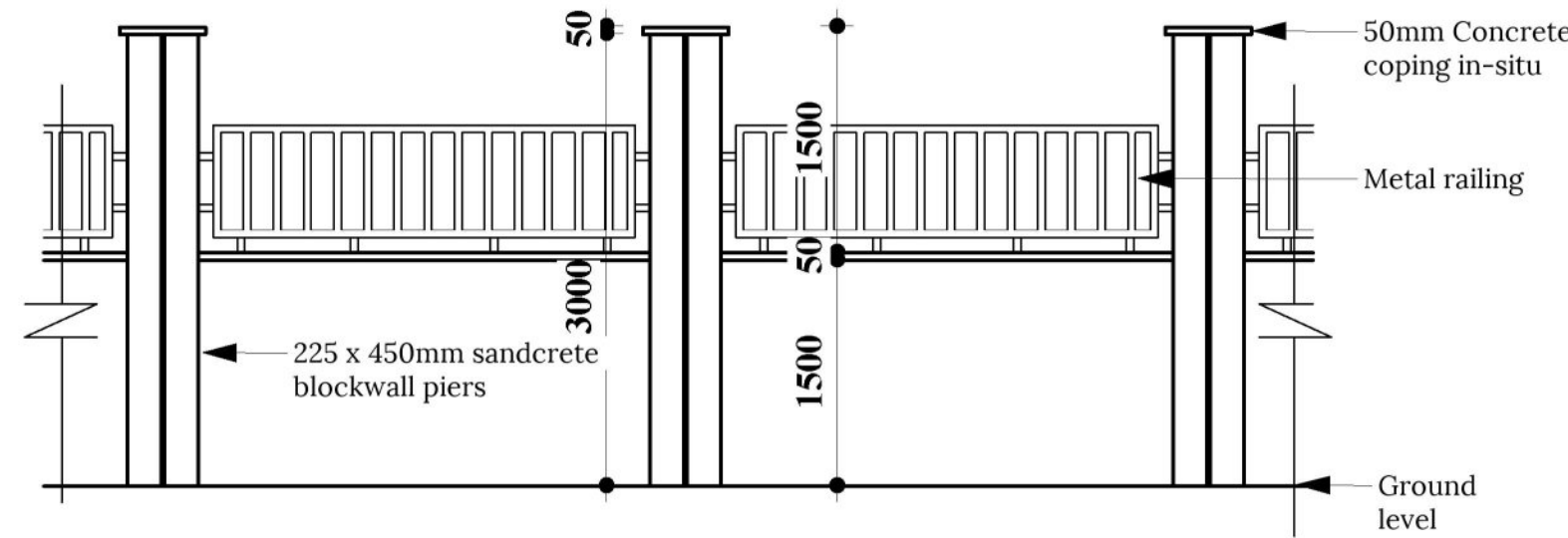
PLAN VIEW OF GATE.



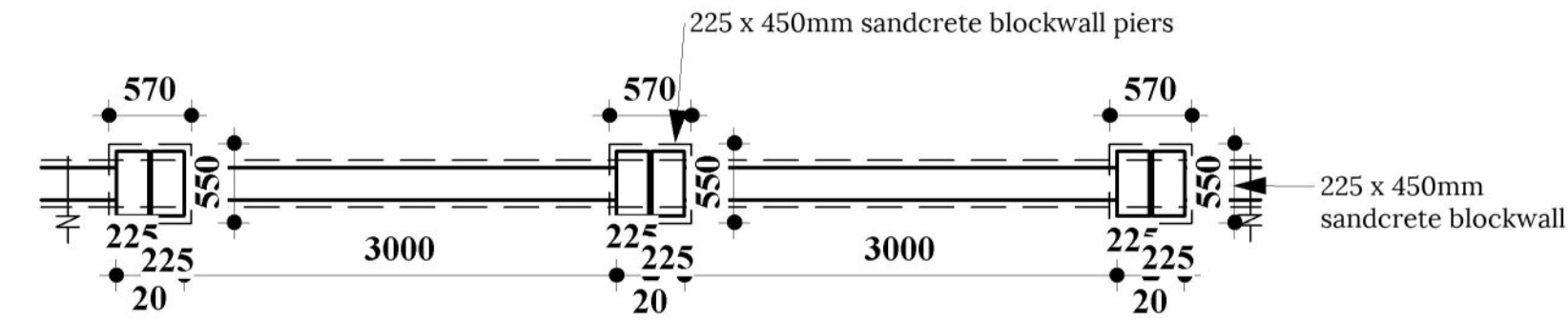
ELEVATION VIEW OF GATE.



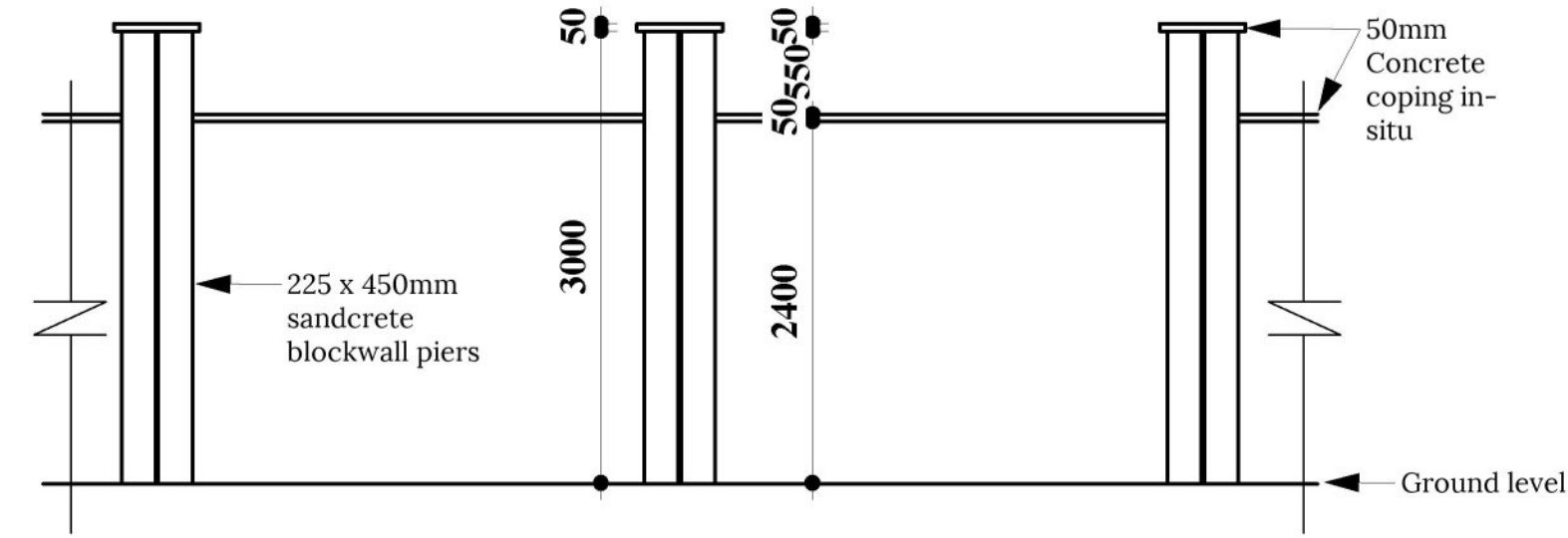
FENCE TYPE A- PLAN VIEW OF FENCE on building approach.



FENCE TYPE A- ELEVATION VIEW OF FENCE on building approach.



FENCE TYPE B- PLAN VIEW OF FENCE on other sides of building.



FENCE TYPE B- ELEVATION VIEW OF FENCE on other sides of building.

FENCE DETAILS

PROJECT ARCHITECT:



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No. 3, Awgbu Street, Upper Housing,
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Proposed:

**FOUR (4)
BEDROOM
DETACHED
BUNGALOW.**

Designed and drawn by:

E. H. U. (Arc.)

Checked by:

Arc. U. C. (MNIA)

Discipline	Revision	Status
A	R-0	WD

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Project Number:

VA-ONS-R-002

Issued Date:

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1 : 50

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A500-01

PROJECT ARCHITECT:



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volarchy@gmail.com
No. 3, Awgbu Street, Upper Housing,
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Proposed:

FOUR (4)
BEDROOM
DETACHED
BUNGALOW.

Designed and drawn by:

E. H. U. (Arc.)

Checked by:

Arc. U. C. (MNIA)

Discipline	Revision	Status
A	R-0	WD

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Project Number:

VA-ONS-R-002

Issued Date: September, 2022.

Scale: 1 : 75

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A600-01

WINDOW TAG	W1	W2	W3	W4	W5
ELEVATION					
WINDOW TYPE	Casement window	Casement window	Casement window	Casement window	Casement window
OPERATION	Double leaf, Single swing	Double leaf, Single swing	Double leaf, Single swing	Double leaf, Single swing	Double leaf, Single swing
QUANTITY	3	2	2	9	5
MATERIAL FINISHING, IRONMONGERY AND DESCRIPTION	Sub-frame	50 x 25mm mild steel			
	Main frame	Anodized 1.2mm guage aluminum frames, coupled and screwed onto 50mm x 25mm mild steel sub-frames.			
	Glazing	6mm laminated security glass			
	Burglary	12.5mm thick, circular section decorative wrought iron			
Total Number of Windows	21				

WINDOW FABRICATION/INSTALLATION NOTE

- *Contractor to verify all rough openings/dimensions prior to fabrication of windows.
- *Workmanship and fabrication of windows to be of acceptable standard best practice.
- *All Windows to be made of anodized/powder coated and high grade aluminum.
- *All joining details to be per manufacturers specifications and details.
- *All Windows to have reflective, low 'E' glass (for minimum heat transmission).
- *Contractor must clean window frames of cementous substances before and after final installations.

- *All Windows to meet or exceed all structural, wind and energy conservation code requirement (local and national) and manufacturers requirement.
- *All Windows to be perimeter sealed and caulked.
- *All Windows to have steel burglar proof bars, fabricated and installed by the contractor.
- *All Windows to have mosquito net protection, fabricated and installed by the contractor.
- *Contractor to provide shop drawings/ details and calculations for structural and wind load compliances, reinforced as necessary to comply with international building codes.
- *Contractor to provide shop drawings for all steel burglar proof prior to fabrication.

WINDOW SCHEDULE

DOOR TAG	D1	D2	D3
<div>ELEVATION</div> <div><div>Lintel level</div><div>2160</div><div>Structural floor level</div></div> <div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> <div>2160</div>	<div><div></div><div></div><div></div></div> <div>2160</div>	<div><div></div><div></div><div></div></div> <div>2160</div>	<div><div></div><div></div><div></div></div> <div>2160</div>
DOOR TYPE	Metal door	Timber, Flush door	Timber, Flush door
OPERATION	One and half leaf, Single swing	Single leaf, Single swing	Single leaf, Single swing
QUANTITY	3	9	5
MATERIAL FINISHING, IRONMONGERY AND DESCRIPTION	Frames	Steel framed paneled door fixed to manufacturer's details.	High quality standard flush door made with framed hardwood core and laminated with high MDF laminated skin.
	Hinges	3 Nos, Low friction hinges, positioned at Top,Middle and Bottom of door frame.	3 Nos, Low friction hinges, positioned at Top,Middle and Bottom of door frame.
	Level handle	19mm lever handle positioned 1000mm above finished floor level	19mm lever handle positioned 1000mm above finished floor level
	Key /Control system	Cylinder lock	Cylinder lock
	Vision Panels	Nil	Nil
Total Number of Doors	17		

DOOR FABRICATION/INSTALLATION NOTE

- *All doors to have 50mm threshold.
- *Contractor to verify all rough openings prior to fabrication or purchase of doors.
- *Workmanship and fabrication of doors to be of standard best practice.
- *All joining details to be per manufacturers specifications and details.

- *All timber doors shall be solid core, stain grade and sealed.
- *All Door sills to be tightly fixed and flushed with finished floor.
- *All Doors to be perimeter sealed and caulked.
- *Contractor to provide shop drawings for all doors prior to fabrication.
- *Contractor to provide hardware sets for Architect's approval.

DOOR SCHEDULE

PROJECT ARCHITECT:

VolArchy

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volarchy@gmail.com

No. 3, Awgbu Street, Upper Housing, Abakpa, Enugu State.

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Proposed:

FOUR (4) BEDROOM DETACHED BUNGALOW.

Designed and drawn by:

E. H. U. (Arc.)

Checked by:

Arc. U. C. (MNIA)

Discipline	Revision	Status
A	R-0	WD

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Project Number:

VA-ONS-R-002

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A600-02

SPACES		FLOOR						WALLS					SKIRTING					CEILING			
		granite tiles	porcelain tiles	concrete floor	ceramic tiles	vitrified tiles	non-slip vitrified tiles	putty screed	texcote paint	emulsion paint	ceramic tiles	brick facing	granite tiles	porcelain tiles	ceramic tiles	vitrified tiles	non-slip vitrified tiles	plaster of paris	150mm concrete floor deck	Kalsi Ceil ceiling boards	pvc strips
GROUND FLOOR	MAIN/BACK ENTRANCE/SIT-OUT						●	●	●								●			●	
	ANTE-ROOM					●		●		●						●		●			
	LIVING ROOM/ DINING					●		●		●						●		●			
	LIBRARY					●		●		●						●				●	
	MASTER BEDROOMS					●		●		●						●		●			
	BEDROOMS					●		●		●						●				●	
	LOBBY/LAUNDRY						●	●		●							●			●	
	ALL TOILETS				●						●									●	
	KITCHEN/PANTRY					●		●		●						●				●	

FINISHES SCHEDULE

PROJECT ARCHITECT:



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Proposed:

**FOUR (4)
BEDROOM
DETACHED
BUNGALOW.**

Designed and drawn by:

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Checked by:

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A600-03