

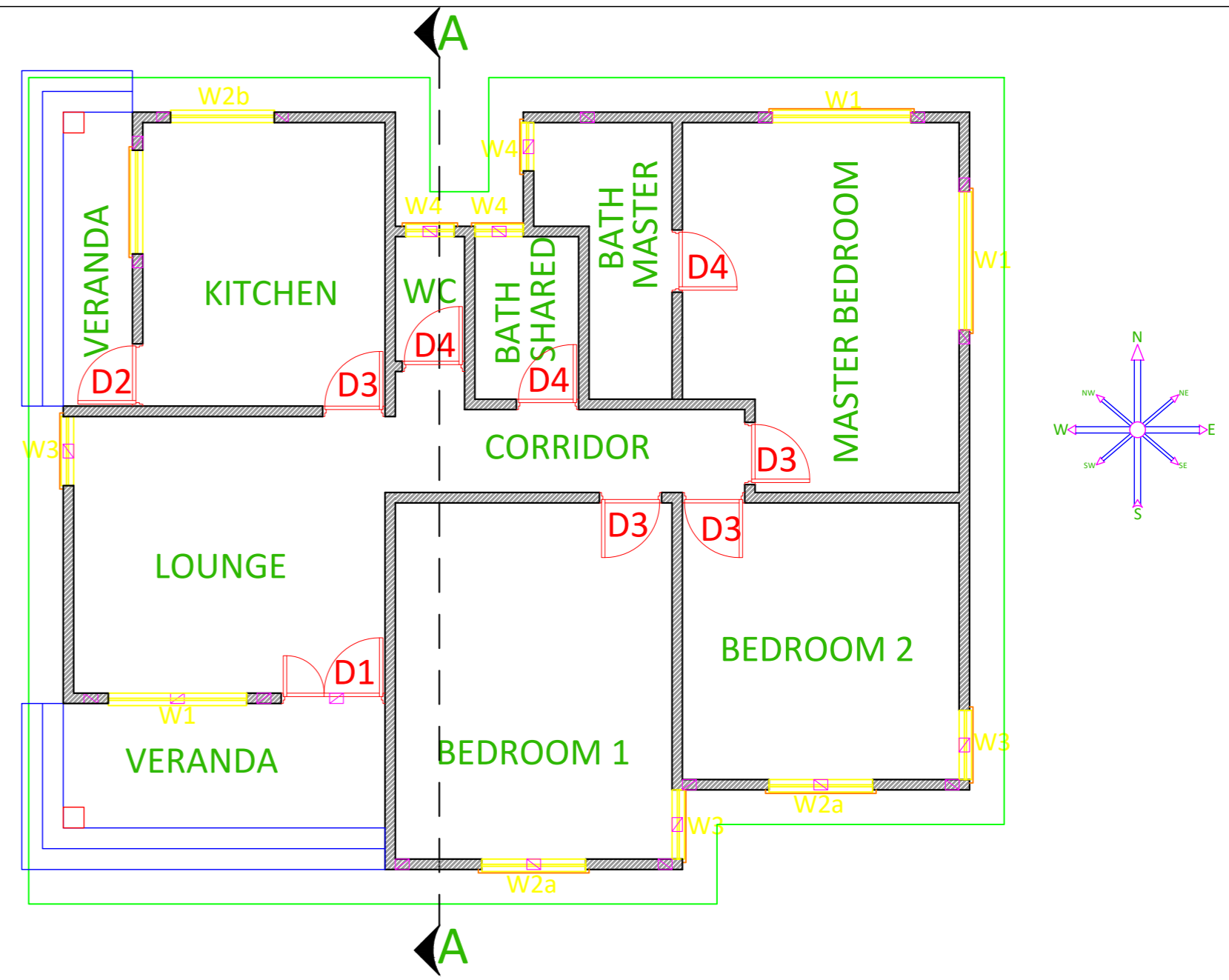
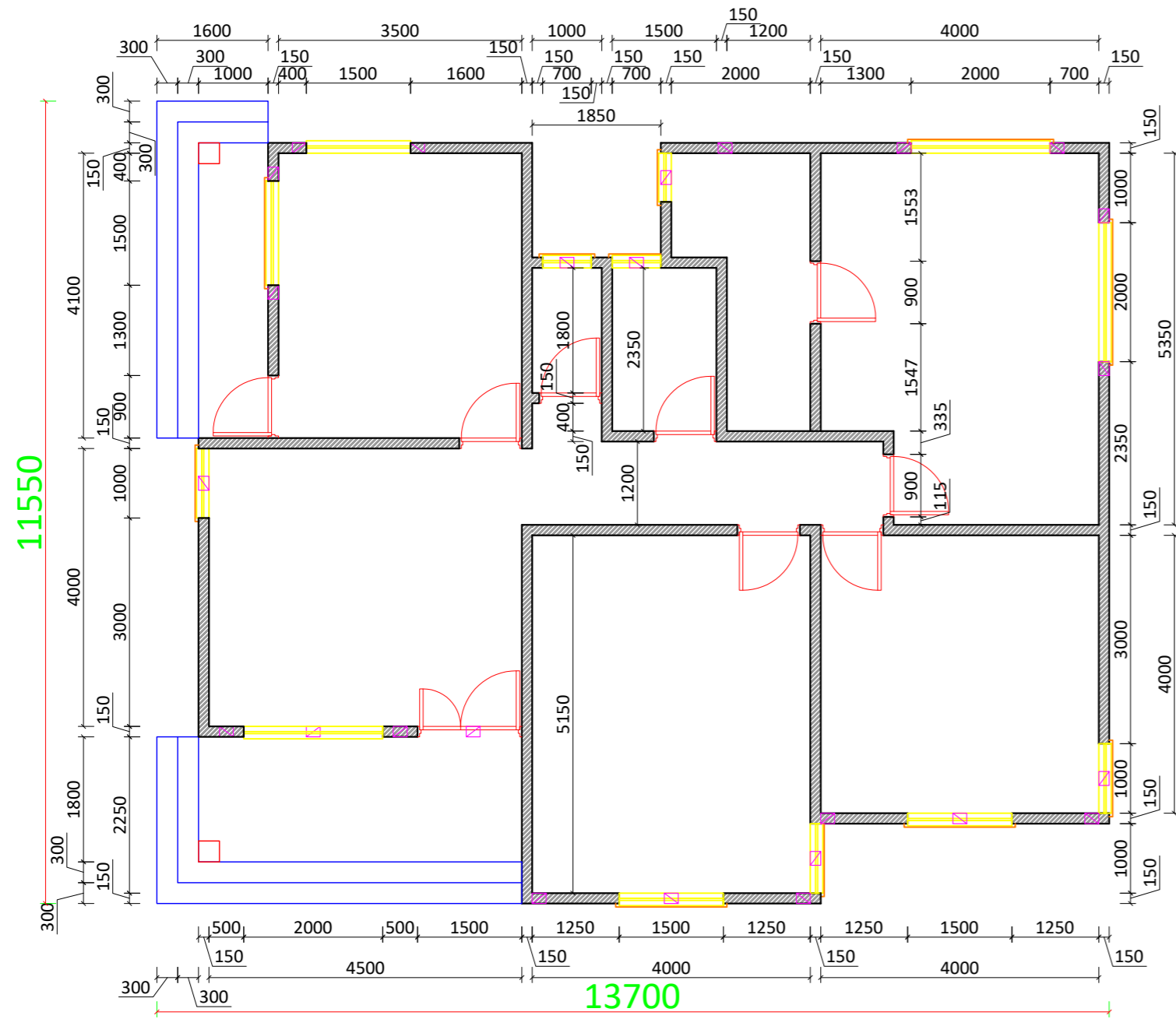
MALAWI AFFORDABLE DISASTER RISK REDUCTION RESPONSE HOUSE DESIGNS



MALAWI AFFORDABLE DISASTER RISK REDUCTION RESPONSE

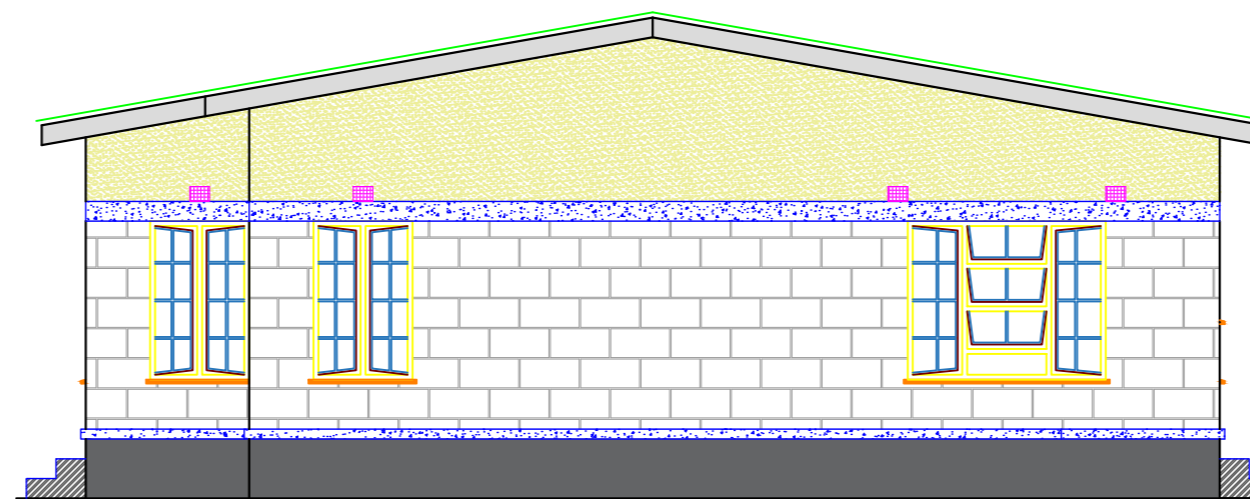
URBAN HOUSE DESIGNS



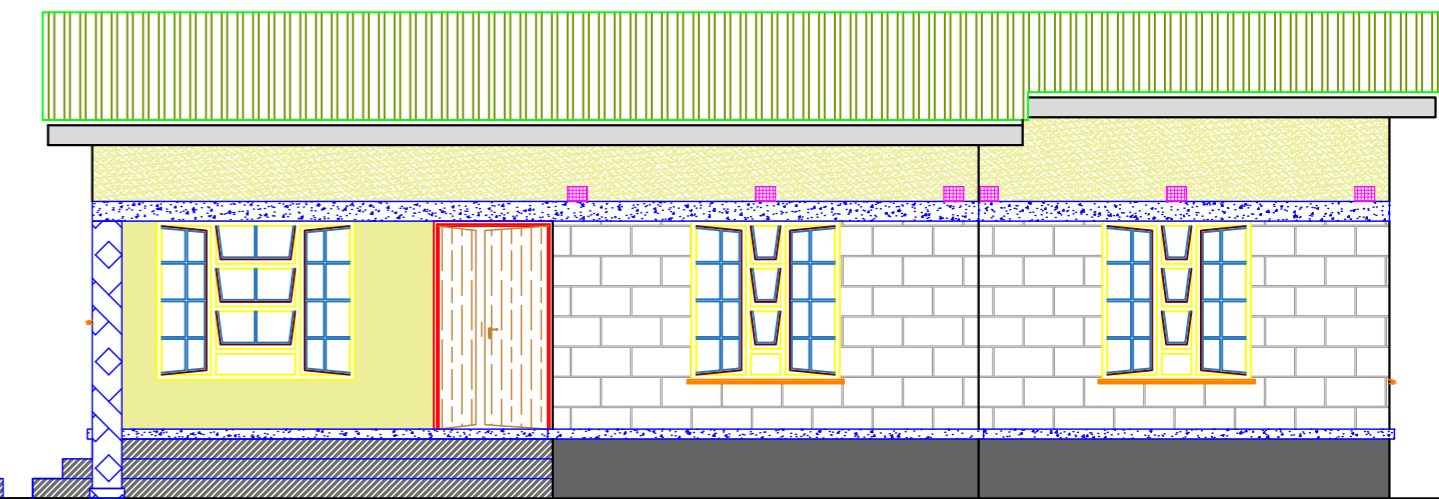


URBAN HOUSE DESIGN OF CEMENT BLOCKS

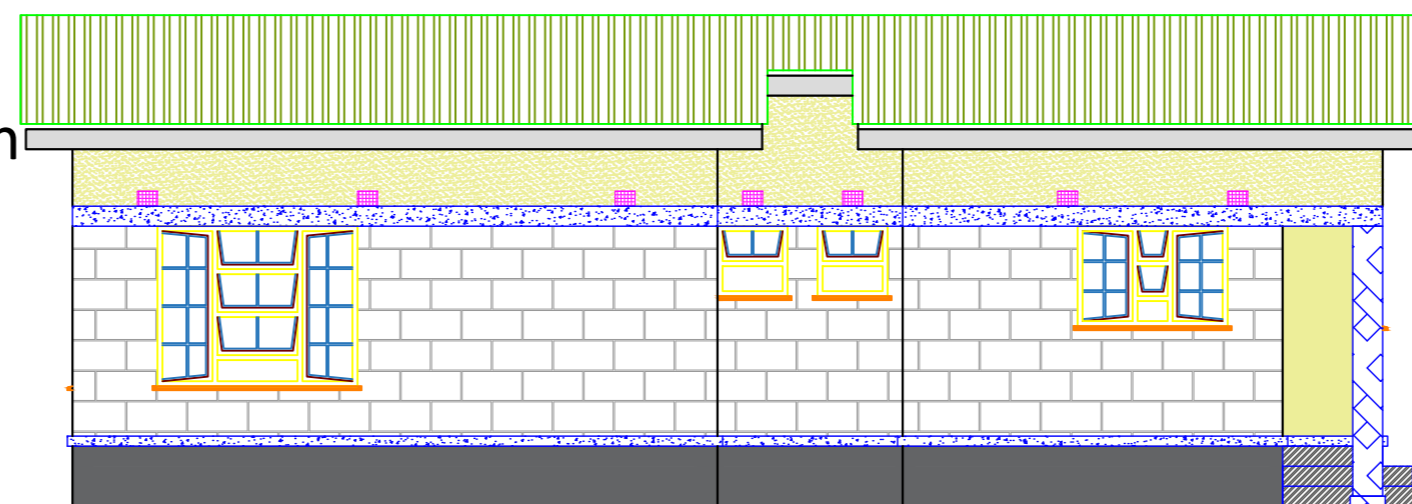
- House is of 140.58m² Area
- 3 bedrooms with 1 ensuite
- Lounge, Kitchen, shared bathroom, and WC
- Corridor with a back exit door
- 1 Front Veranda and another at the back
- 1 back door positioned at the Lounge
- IBR design gable roof with rafters for framing. Roof pitch set at 10°
- Minimum housing surrounding area to be of 25x30meters plot = 750m²



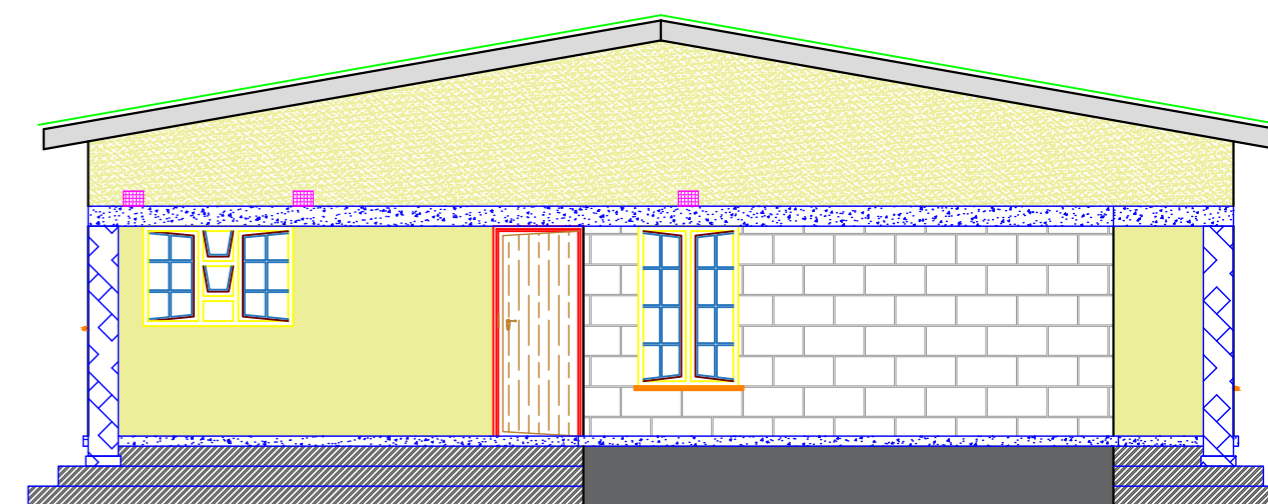
WESTERN ELEVATION



SOUTHERN ELEVATION



NORTHERN ELEVATION



EASTERN ELEVATION



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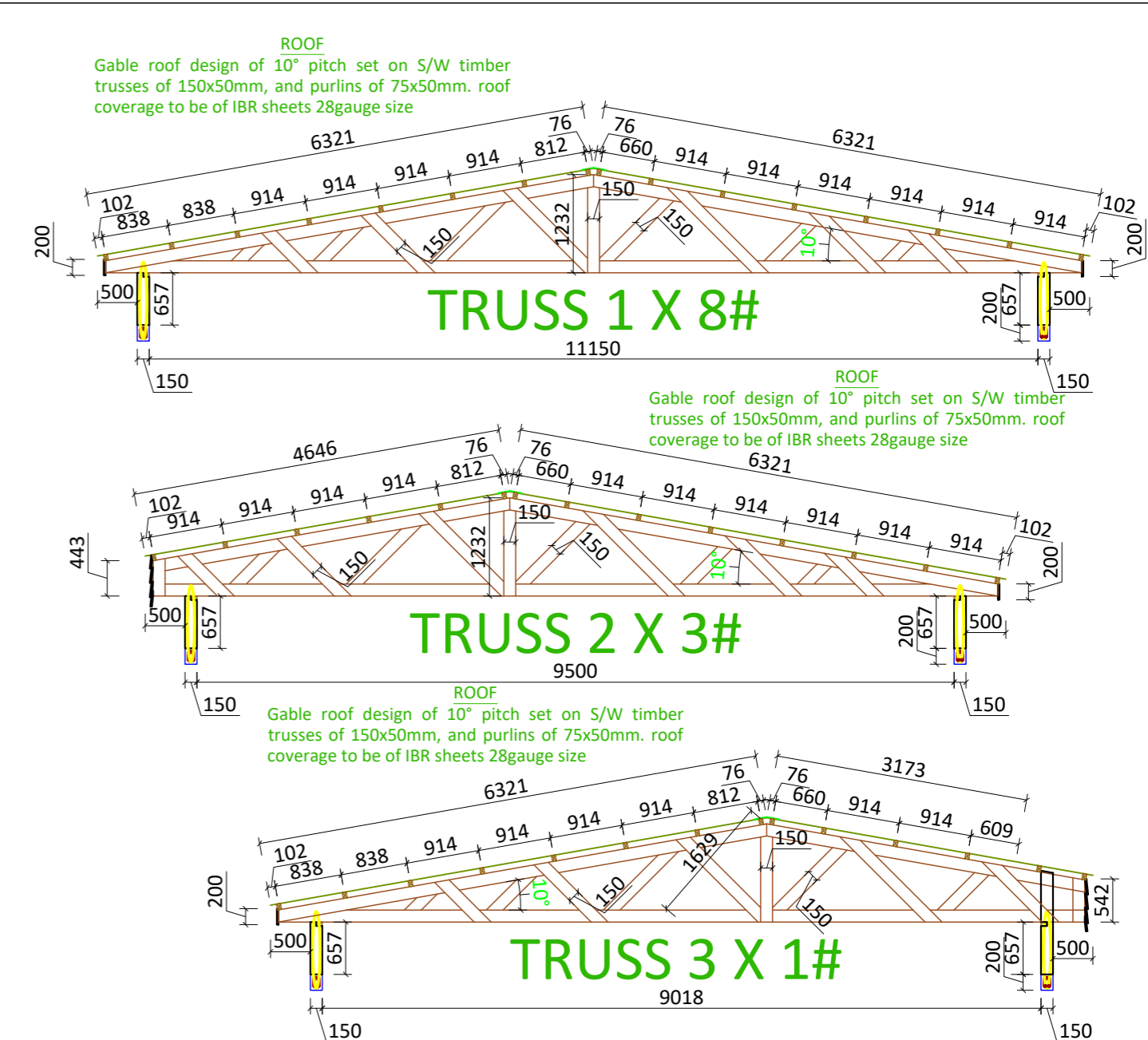
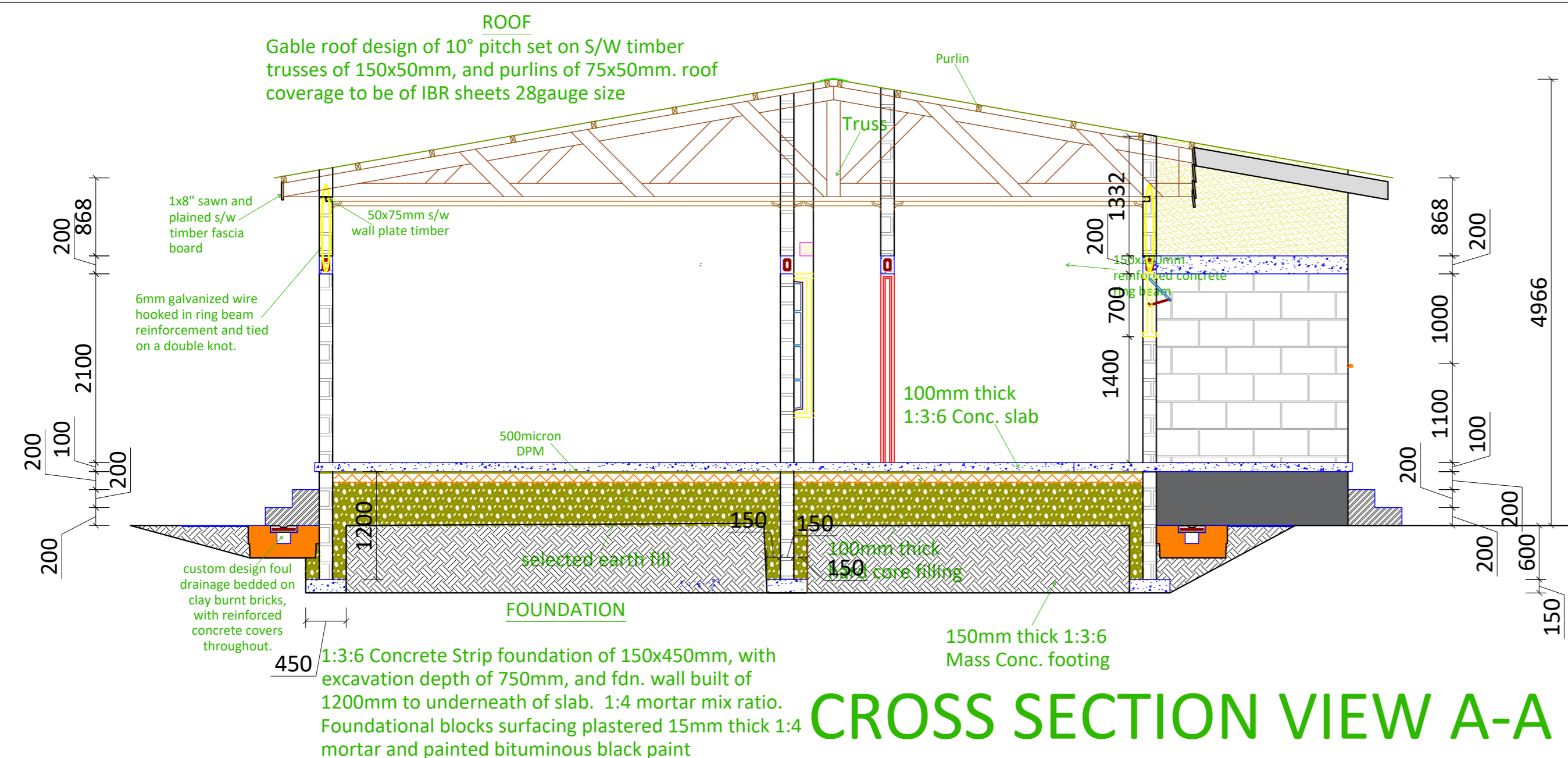
PROJECT LOCATION
MALAWI
URBAN and RURAL

Drafted & Designed by
HFHM on June/2023
Checked by
Gr. Arch. William Kachikopa
Approved by

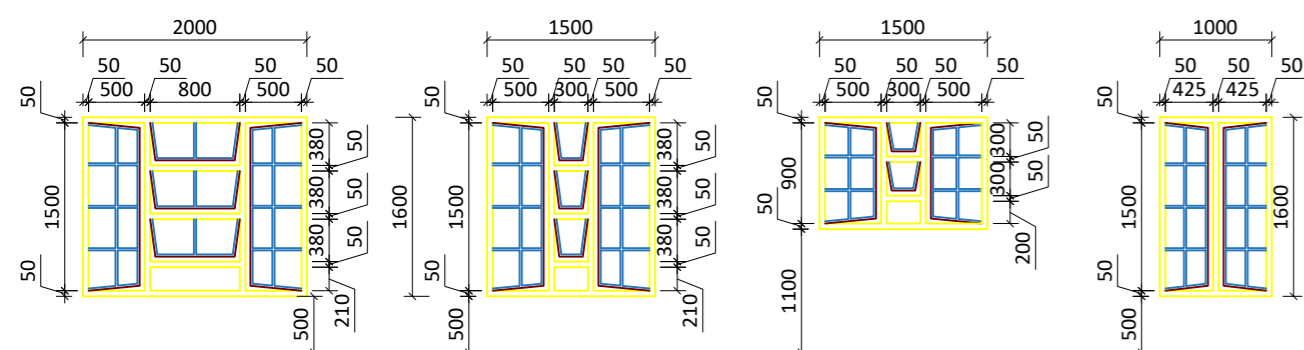
Prototype 1 - 3Rooms + Lounge, Kitchen
ELEVATIONS, PLAN & DIM
DRAWING NUMBER SC: 1:100
HFHM/MWD/2023/01-01



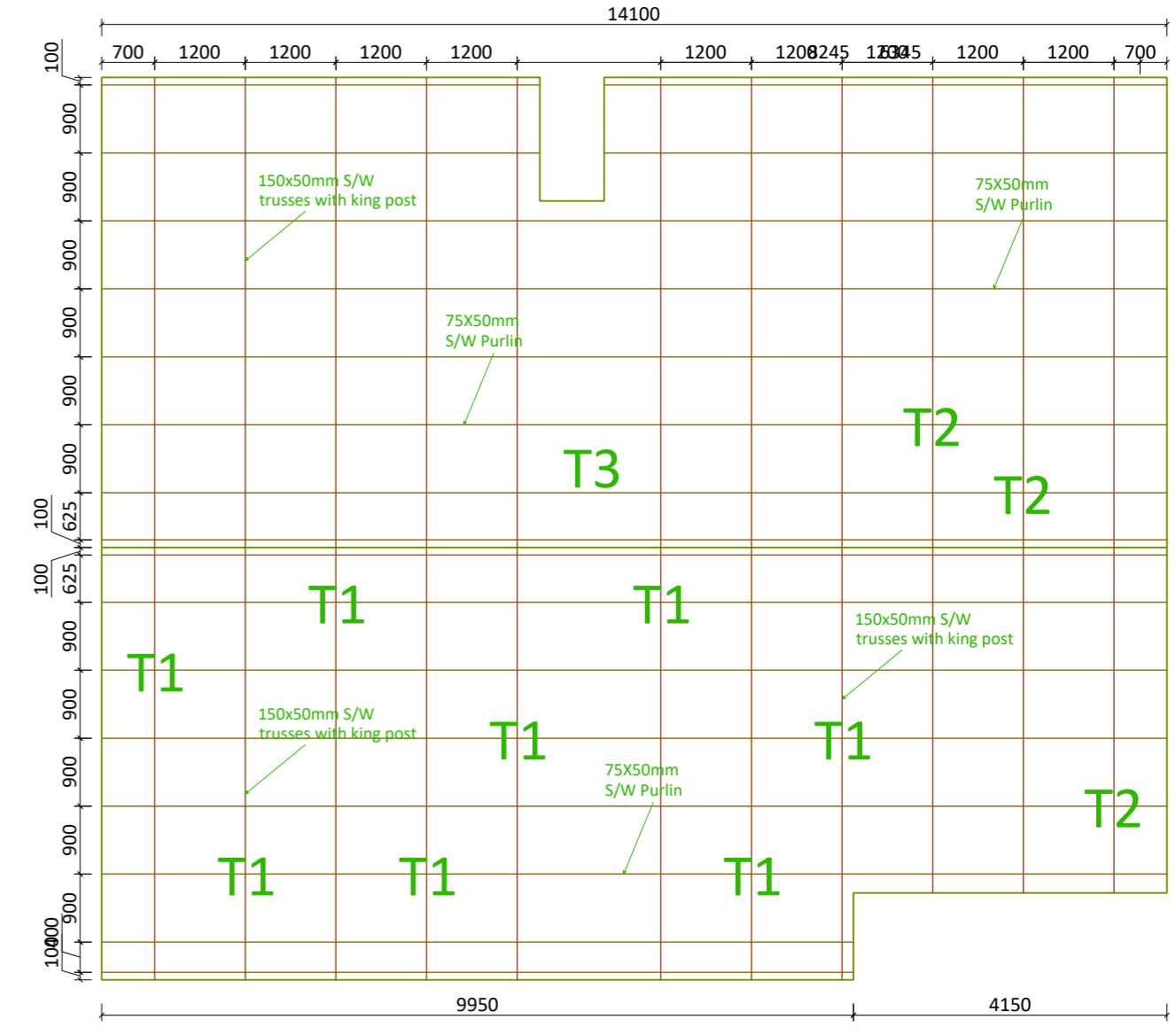
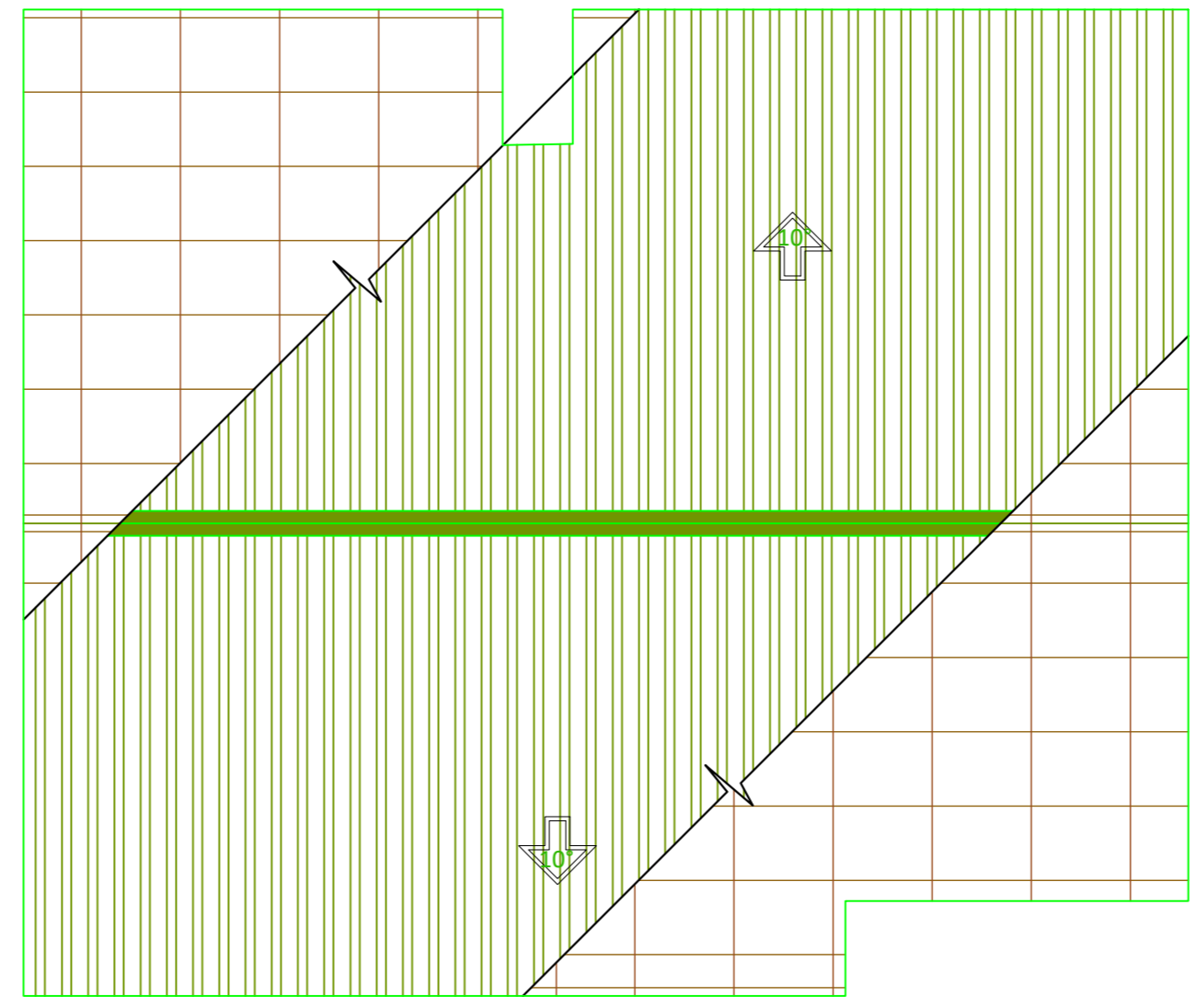
Habitat for Humanity Malawi



CROSS SECTION VIEW A-A



| | | | | |
|---|---|--|--|--|
| <p>W1</p> <p>No. REQUIRED: 3</p> <p>LOCATION: Lounge & Master bedroom</p> <p>FRAMES: Purpose made steel 50x50mm square tube frames dimensions as shown</p> <p>GLASS: 5mm mild-tint glass</p> <p>IRONMONGERY: Standard brass handles & stays</p> <p>FINISH: Frames painted 3coats gloss enamel in approved color</p> <p>CILLS: Internal Conc. window cill covered with 150x50mm thick HW/gulam blugum stool with 2coats polyurethane varnish, Apron & trim with laminated blugum.</p> | <p>W2a</p> <p>No. REQUIRED: 2</p> <p>LOCATION: Bedrooms 1 and 2</p> <p>FRAMES: Purpose made steel 50x50mm square tube frames dimensions as shown</p> <p>GLASS: 5mm mild-tint glass</p> <p>IRONMONGERY: Standard brass handles & stays</p> <p>FINISH: Frames painted 3coats gloss enamel in approved color</p> <p>CILLS: Internal Conc. window cill covered with 150x50mm thick HW/gulam blugum stool with 2coats polyurethane varnish, Apron & trim with laminated blugum.</p> | <p>W2b</p> <p>No. REQUIRED: 2</p> <p>LOCATION: Kitchen</p> <p>FRAMES: Purpose made steel 50x50mm square tube frames dimensions as shown</p> <p>GLASS: 5mm mild-tint glass</p> <p>IRONMONGERY: Standard brass handles & stays</p> <p>FINISH: Frames painted 3coats gloss enamel in approved color</p> <p>CILLS: Internal Conc. window cill covered with 150x50mm thick HW/gulam blugum stool with 2coats polyurethane varnish, Apron & trim with laminated blugum.</p> | <p>W3</p> <p>No. REQUIRED: 3</p> <p>LOCATION: Lounge, Bedrooms & 2</p> <p>FRAMES: Purpose made steel 50x50mm square tube frames dimensions as shown</p> <p>GLASS: 5mm mild-tint glass</p> <p>IRONMONGERY: Standard brass handles & stays</p> <p>FINISH: Frames painted 3coats gloss enamel in approved color</p> <p>CILLS: Internal Conc. window cill covered with 150x50mm thick HW/gulam blugum stool with 2coats polyurethane varnish, Apron & trim with laminated blugum.</p> | <p>W4</p> <p>No. REQUIRED: 3</p> <p>LOCATION: Master bath, WC, Shared bath</p> <p>FRAMES: Purpose made steel 50x50mm square tube frames dimensions as shown</p> <p>GLASS: 5mm mild-tint glass</p> <p>IRONMONGERY: Standard brass handles & stays</p> <p>FINISH: Frames painted 3coats gloss enamel in approved color</p> <p>CILLS: Internal Conc. window cill covered with 150x50mm thick HW/gulam blugum stool with 2coats polyurethane varnish, Apron & trim with laminated blugum.</p> |
| <p>D1</p> <p>No. REQUIRED: 1</p> <p>LOCATION: Lounge</p> <p>FRAMES: Pressed steel door frame</p> <p>DOORS: Customised treated Hardwood door</p> <p>FINISH: Varnished 2coats with clear glass varnish</p> <p>IRONMONGERY: ISO swing dead lock with roller catch, type HAO27 and full lever handle (HA6052)</p> <p>HINGES: Standard brass handles & stays</p> | <p>D2</p> <p>No. REQUIRED: 1</p> <p>LOCATION: Kitchen</p> <p>FRAMES: Pressed steel frames</p> <p>DOORS: Customised treated Hardwood door</p> <p>IRONMONGERY: 3 Level "SABS UNION" Mortise Locks 1 pair 125mm narrow butt hinges fixed with 9mm 40mm brass counter sunk screws</p> <p>FINISH: Varnished 2 coats with clear glass varnish floor mounted door stoppers</p> | <p>D3</p> <p>No. REQUIRED: 4</p> <p>LOCATION: Bedroom 1 & 2, Kitchen Master bedroom</p> <p>FRAMES: Pressed steel frames</p> <p>DOORS: MDF Semi solid core interior quality Flush Door</p> <p>IRONMONGERY: 3 Level "SABS UNION" Mortise Locks 1 pair 125mm narrow butt hinges fixed with 9mm 40mm brass counter sunk screws</p> <p>FINISH: Floor mounted door stoppers</p> | <p>D4</p> <p>No. REQUIRED: 3</p> <p>LOCATION: Shared bath, WC, Master bath</p> <p>FRAMES: Pressed steel frames</p> <p>DOORS: MDF Semi solid core interior quality Flush Door</p> <p>IRONMONGERY: 3 Level "SABS UNION" Mortise Locks 1 pair 125mm narrow butt hinges fixed with 9mm 40mm brass counter sunk screws</p> <p>FINISH: Floor mounted door stoppers</p> | |



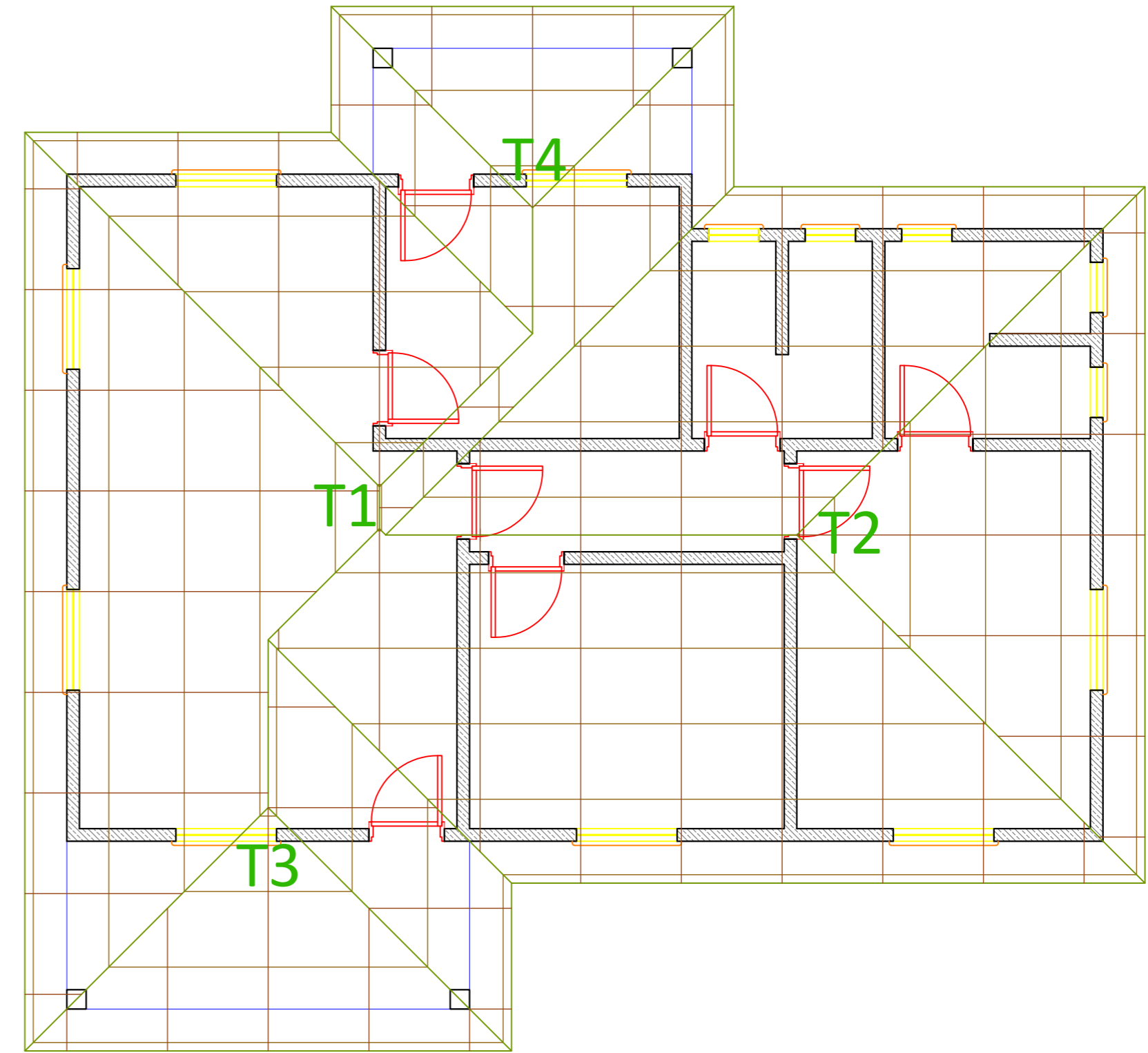
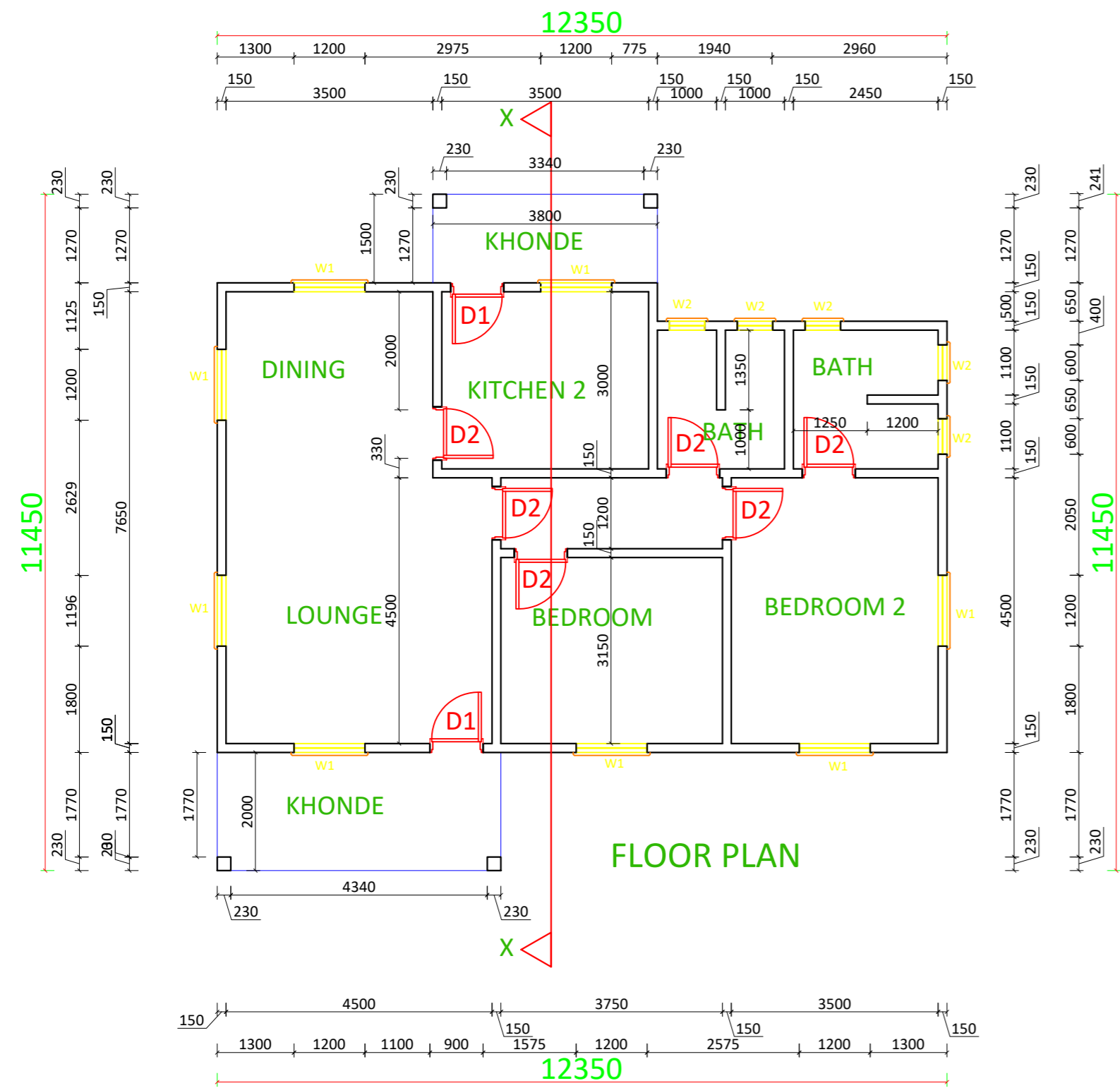
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PROJECT LOCATION
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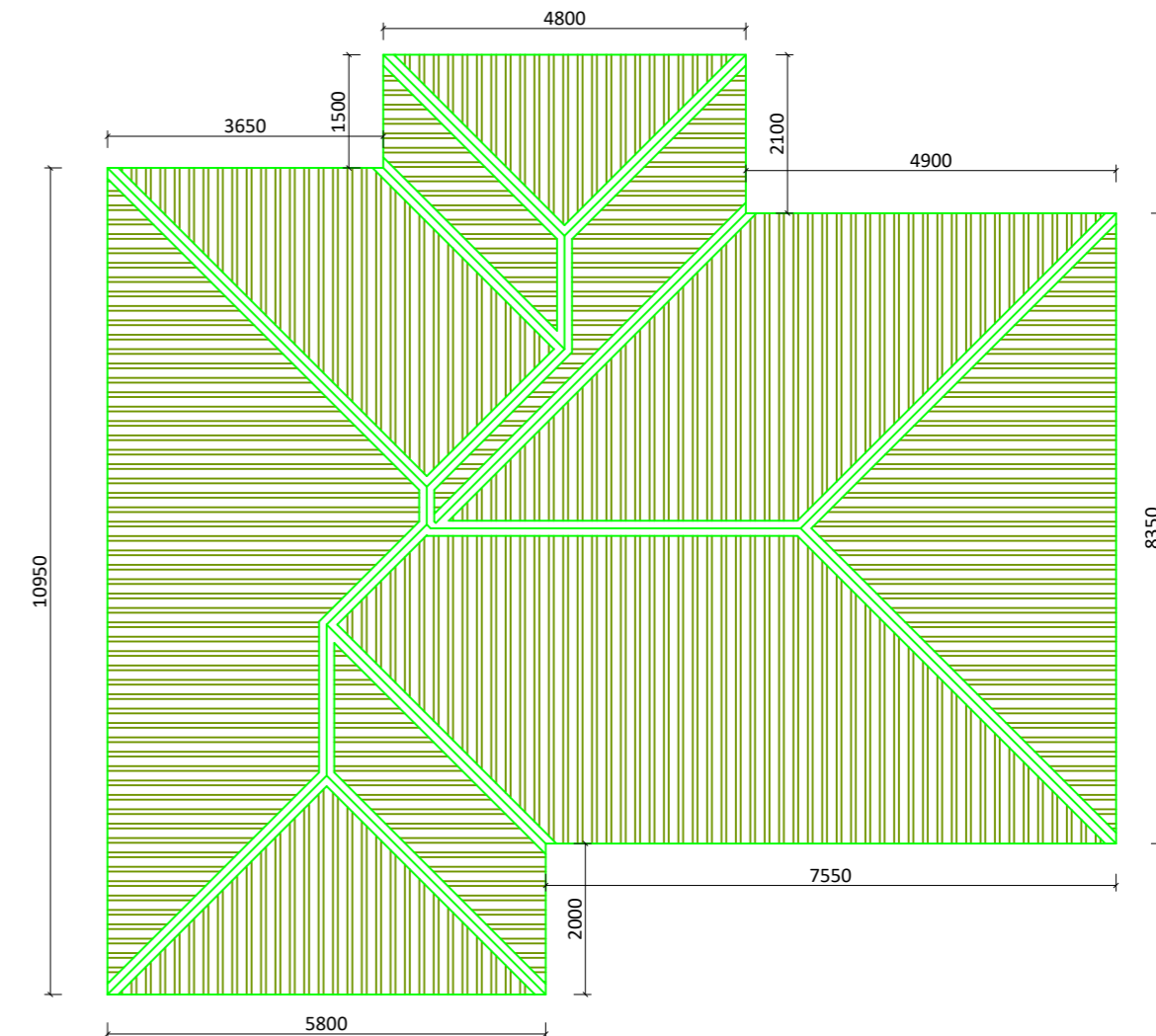
Prototype 1 - 3Rooms + Lounge, Kitchen
X- SECTION, SCHEDULES, & ROOF
DRAWING NUMBER SC: 1:100
HFHM/MWD/2023/01-02






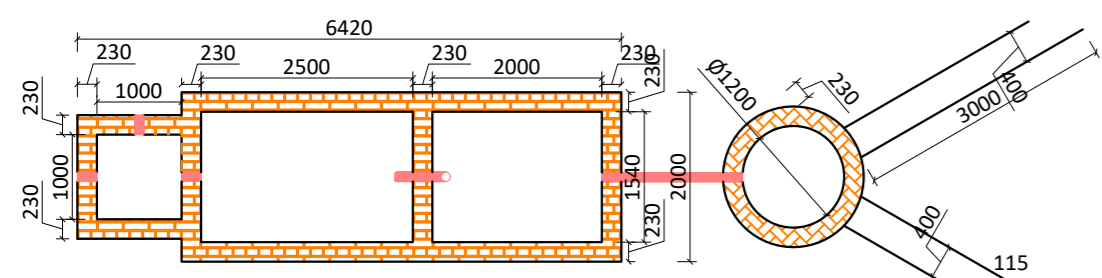


URBAN HOUSE PLAN OF EITHER SSB OR CEMENT BLOCKS

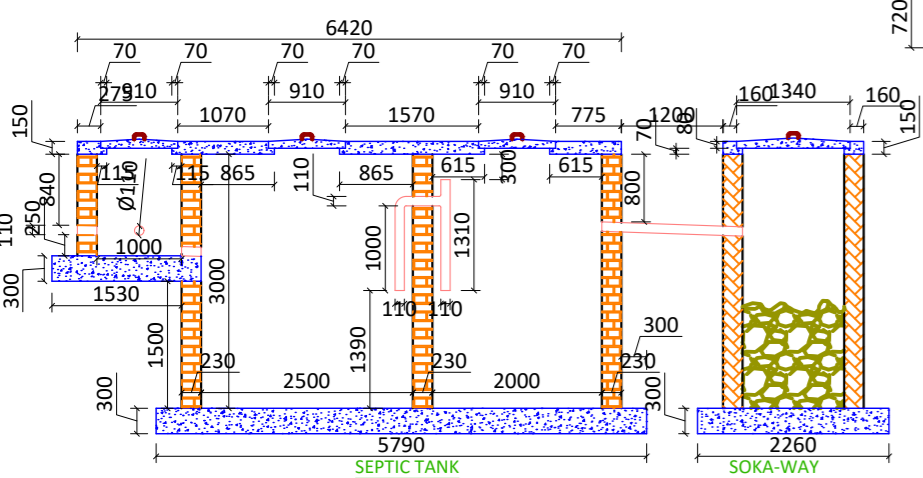
- House is of 110.30m² Area
- 2 bedrooms
- Open floor plan - Lounge, Dining, and Kitchen
- Shared full bathroom
- IBR design hip roof of pitch set at 25°
- Minimum housing surrounding area to be of 30x30meters plot = 900m²



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|--|---|---|--|---|
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| | | <p><i>Checked by</i> Gr. Arch. William Kachikopa</p> <p><i>Approved by</i></p> | | |

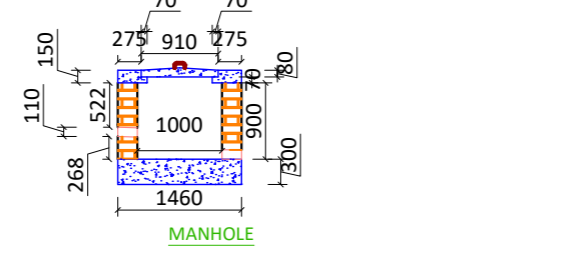
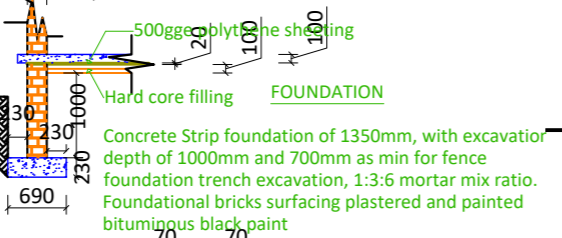


Aerial view of Manhole, Septic tank, and soka-way pipe and alignment, plus dimension. All walls of 230mm thickness

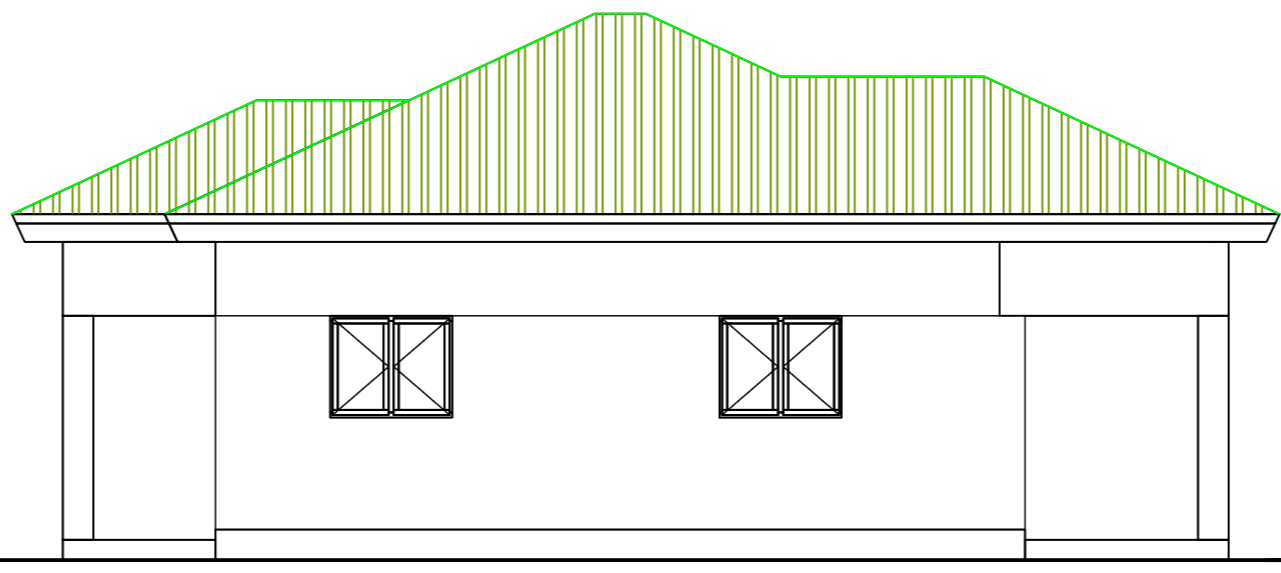


Septic tank laid with bricks, and interior finished with plaster of mortar mix ratio of 1:2:4. Concrete footing of 1:3:6 ratio

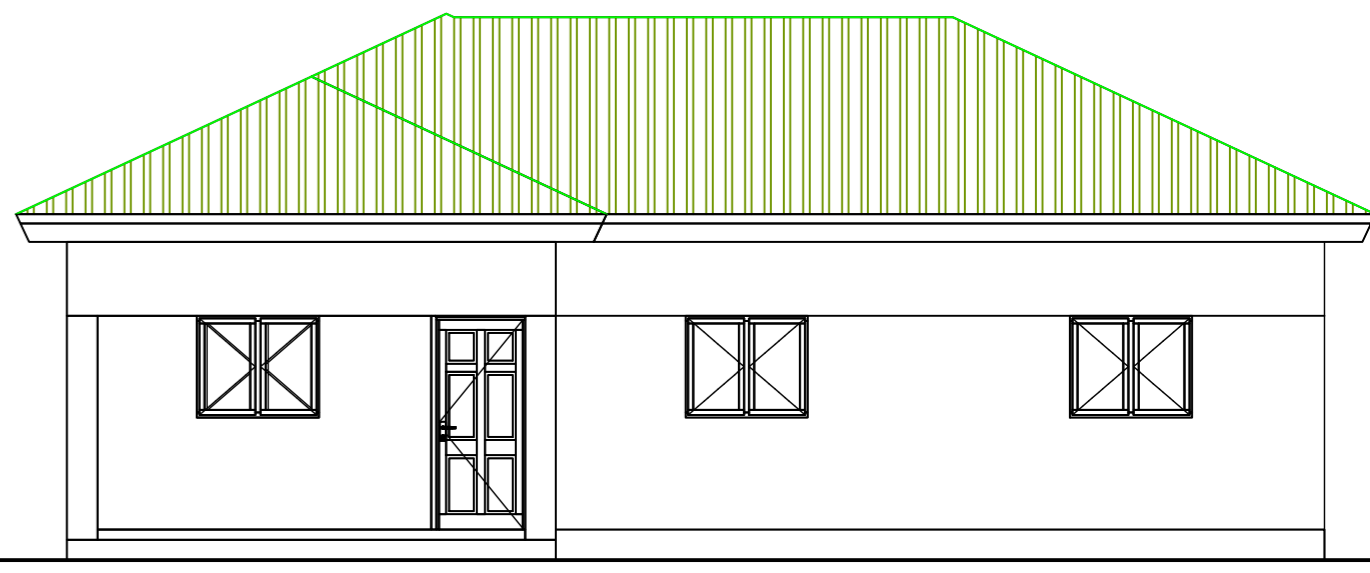
Soka-way laid with natural border stones, and base with concrete mix ratio of 1:3:6



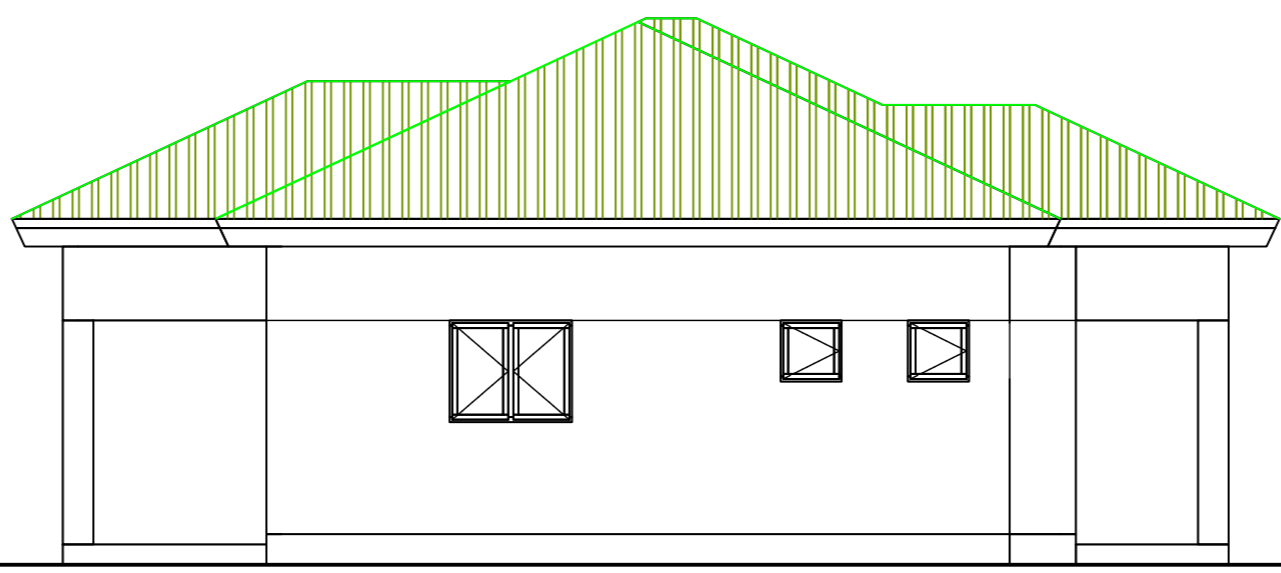
Manhole laid with bricks, and interior finished with plaster of mortar mix ratio of 1:2:4. Concrete footing of concrete mix of 1:3:6 ratio



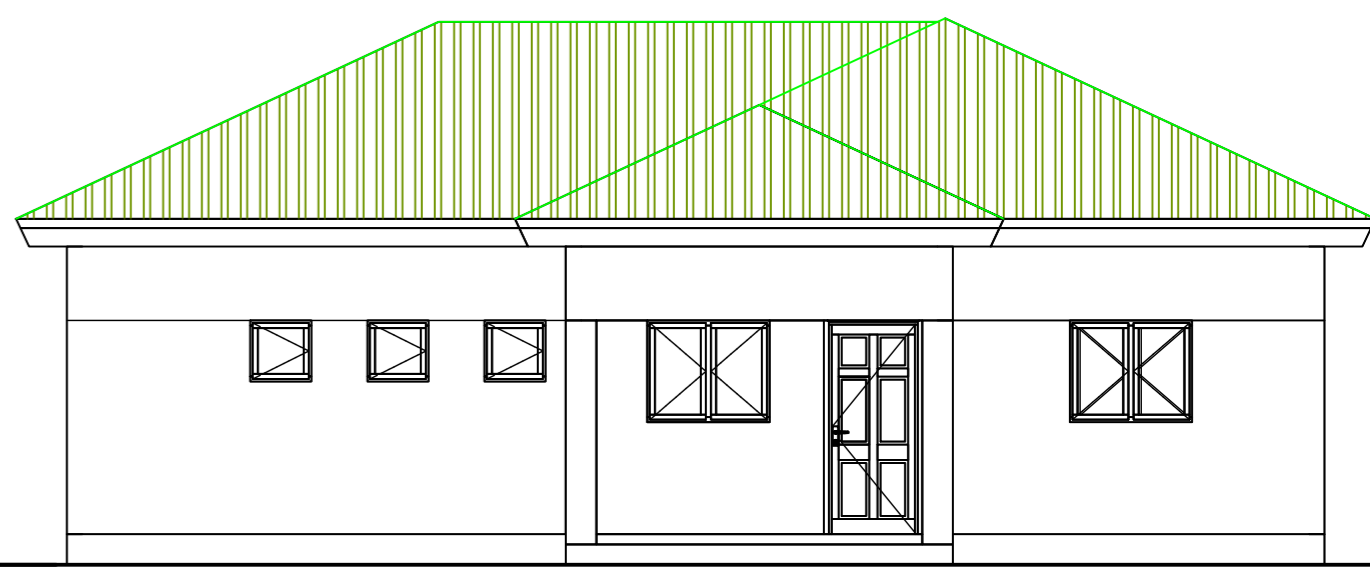
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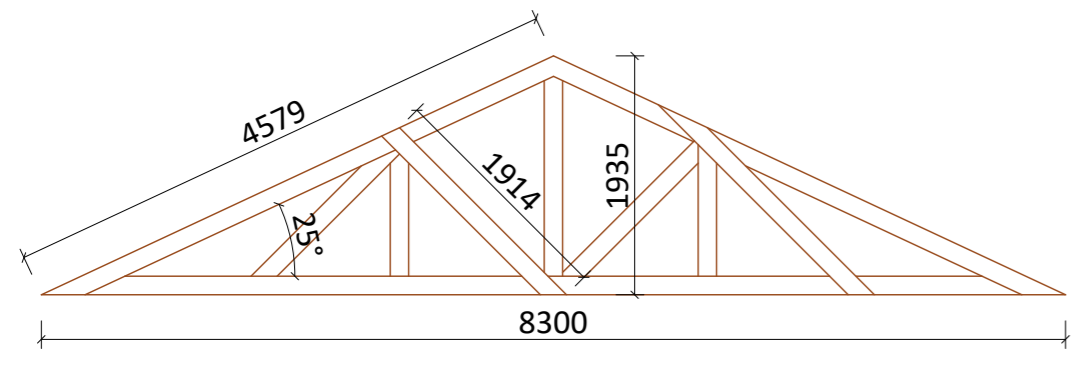
ELEVATION 2



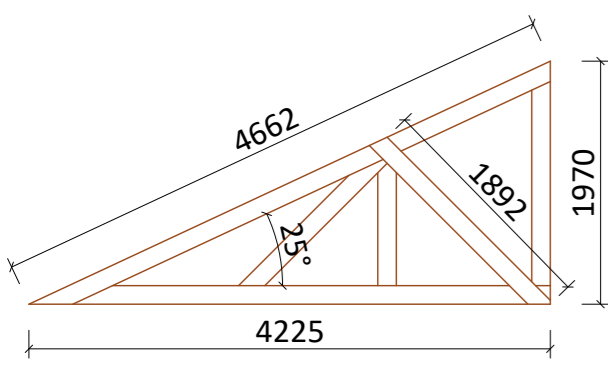
ELEVATION 3



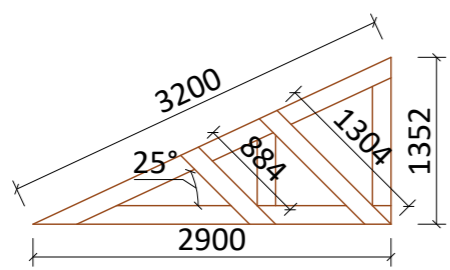
ELEVATION 4



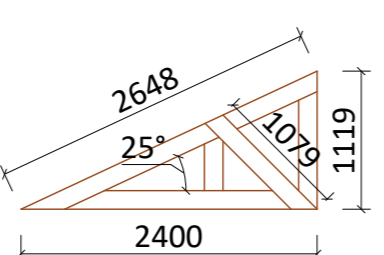
TRUSS 1



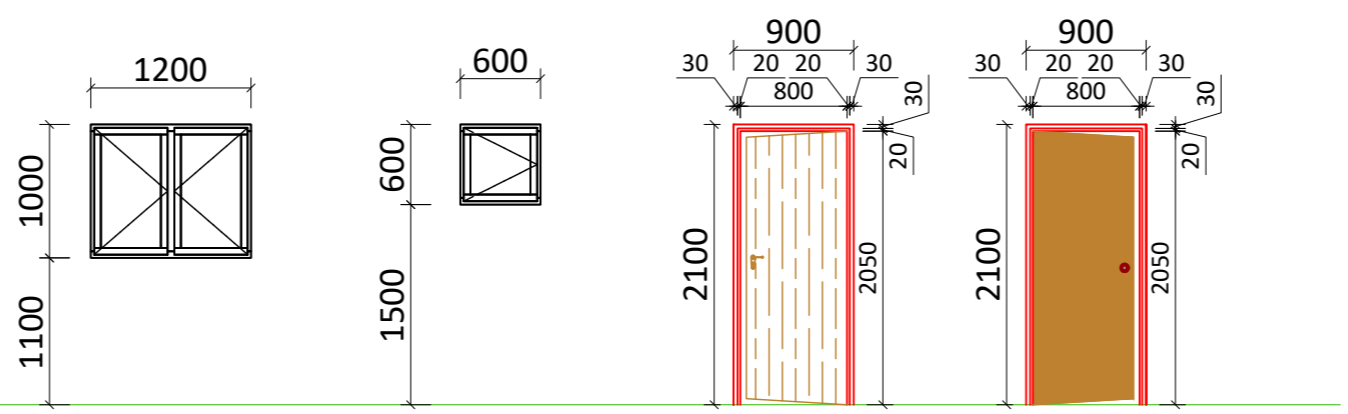
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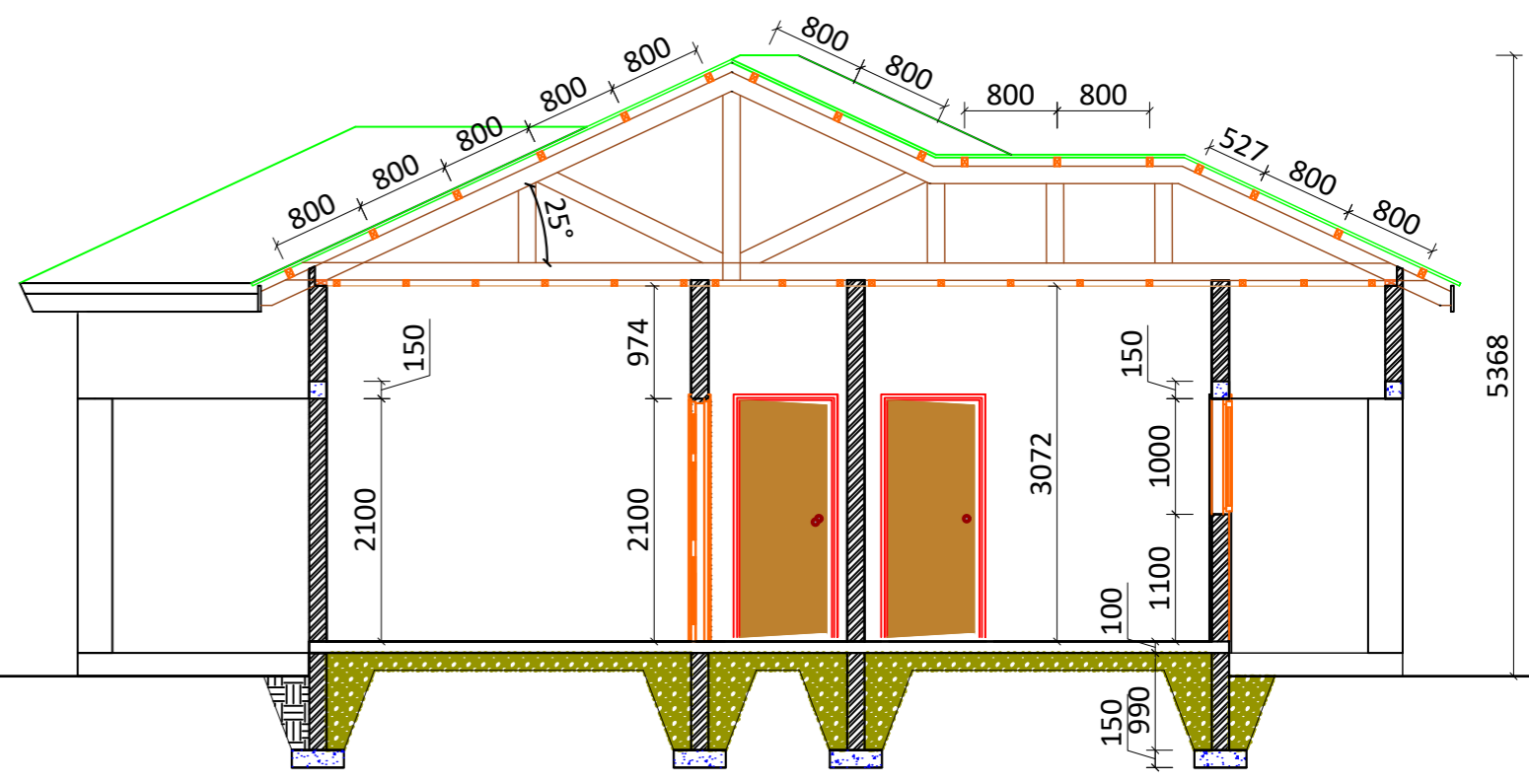
TRUSS 3



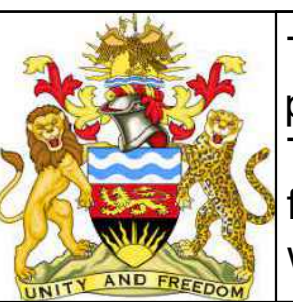
TRUSS 4



| Window 1 | Window 2 | Door 1 | Door 2 |
|--|---|--|--|
| No. REQUIRED: 8 | No. REQUIRED: 5 | No. REQUIRED: 2 | No. REQUIRED: 4 |
| LOCATION: LOUNGE & BEDROOMS | LOCATION: LOUNGE, BEDROOMS, and STORES | LOCATION: LOUNGE & STORES | LOCATION: BEDROOM 1, 2, 3, & STORES |
| FRAMES: Purpose made steel | FRAMES: Purpose made steel | FRAMES: Purpose made pressed steel frames 1mm thick | FRAMES: Purpose made pressed steel frames |
| GLASS: 6glass window with Transom in the middle with a top casement opening. Dimensions as shown | GLASS: 4mm clear glass set with silicone and finished with putty | GLASS: 4mm clear glass set with silicone and finished with putty | GLASS: 4mm clear glass set with silicone and finished with putty |
| IRONMONGERY: Standard brass stoppers handles and stays | IRONMONGERY: Standard brass stoppers handles and stays | IRONMONGERY: SABS 3-lever mortice lock | IRONMONGERY: SABS 3-lever mortice lock |
| FINISH: Industrial prefabricated finish (red oxide), then painted gloss white | FINISH: Industrial prefabricated finish (red oxide), then painted gloss white | IRONMONGERY HINGES: As per supplied by supplier | IRONMONGERY HINGES: As per supplied by supplier |



SECTION X-X



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PROJECT LOCATION
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Checked by
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Approved by

Prototype 2 - 2Rooms + Lounge, Kitchen
X- SECTION, SCHEDULES, DIM & PLAN

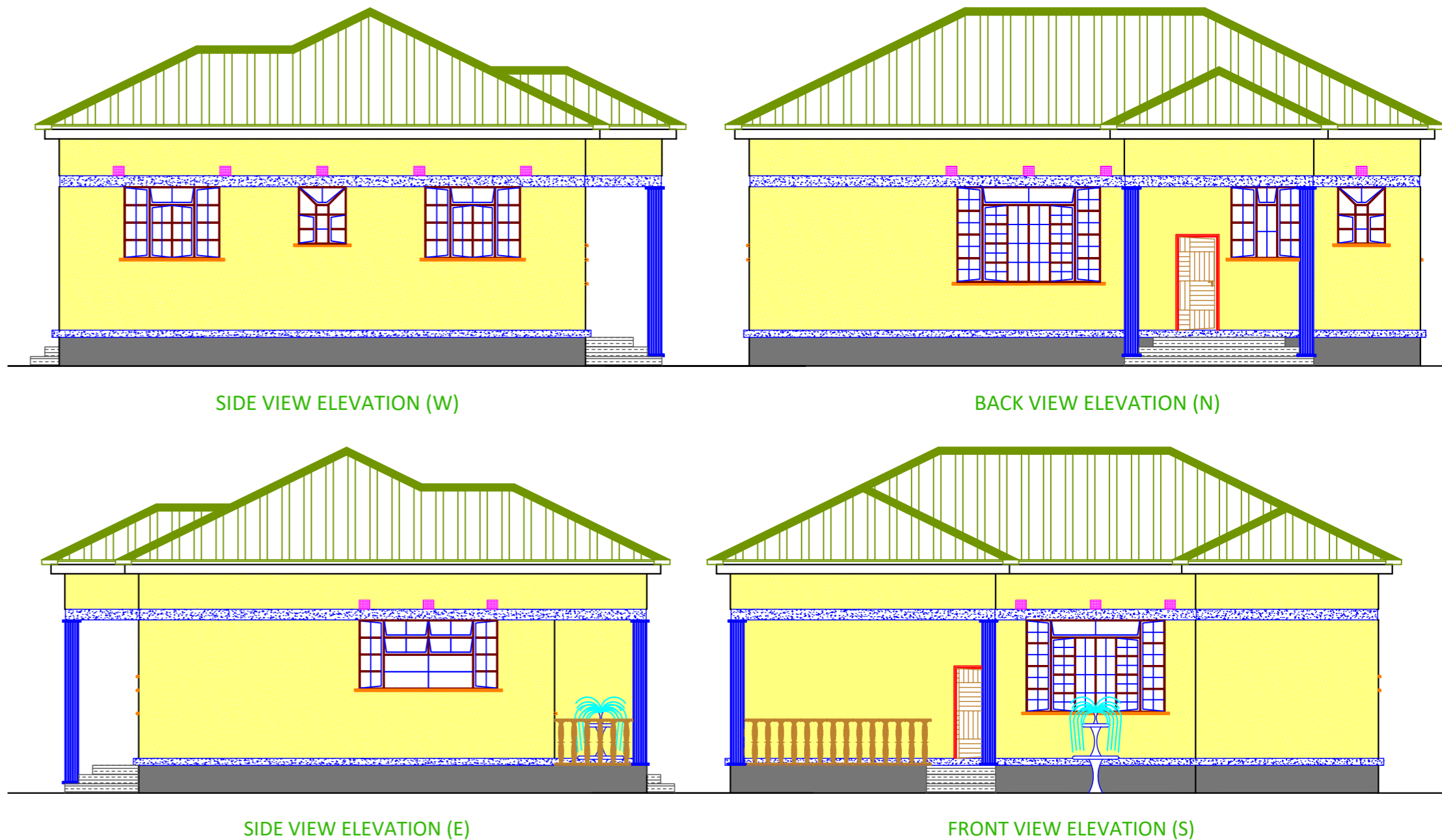
DRAWING NUMBER **SC: 1:100**
HFHM/MWD/2023/02-02





URBAN SSB / CEMENT BLOCK HOUSE PLAN

- House is of 152.73m² Area
- 3 bedrooms with single, 1 self-contained
- Open floor plan of Dining, Lounge, and Kitchen
- IBR design hip roof set at 26° pitch
- Minimum housing surrounding area to be of 30x30meters plot = 900m²



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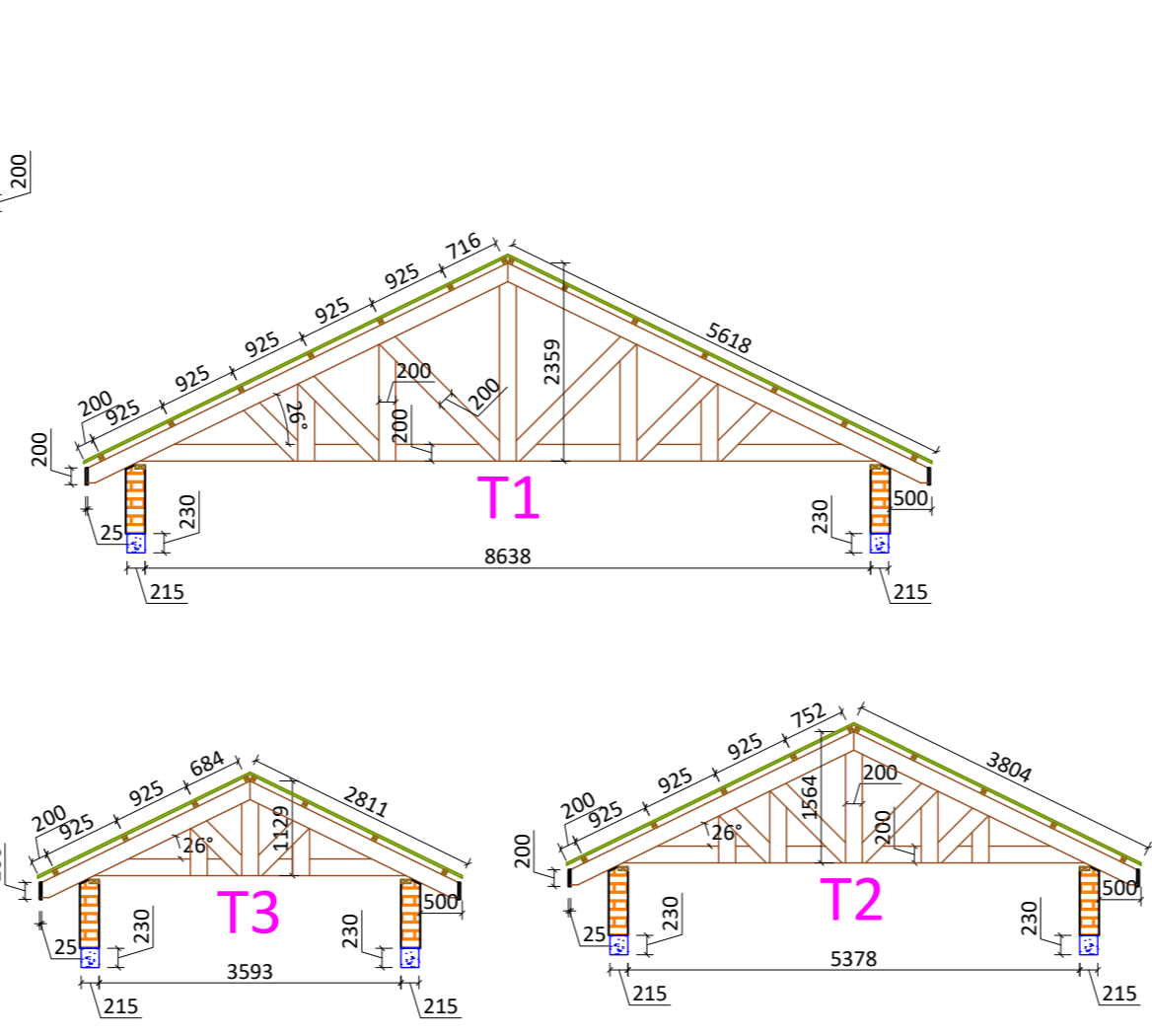
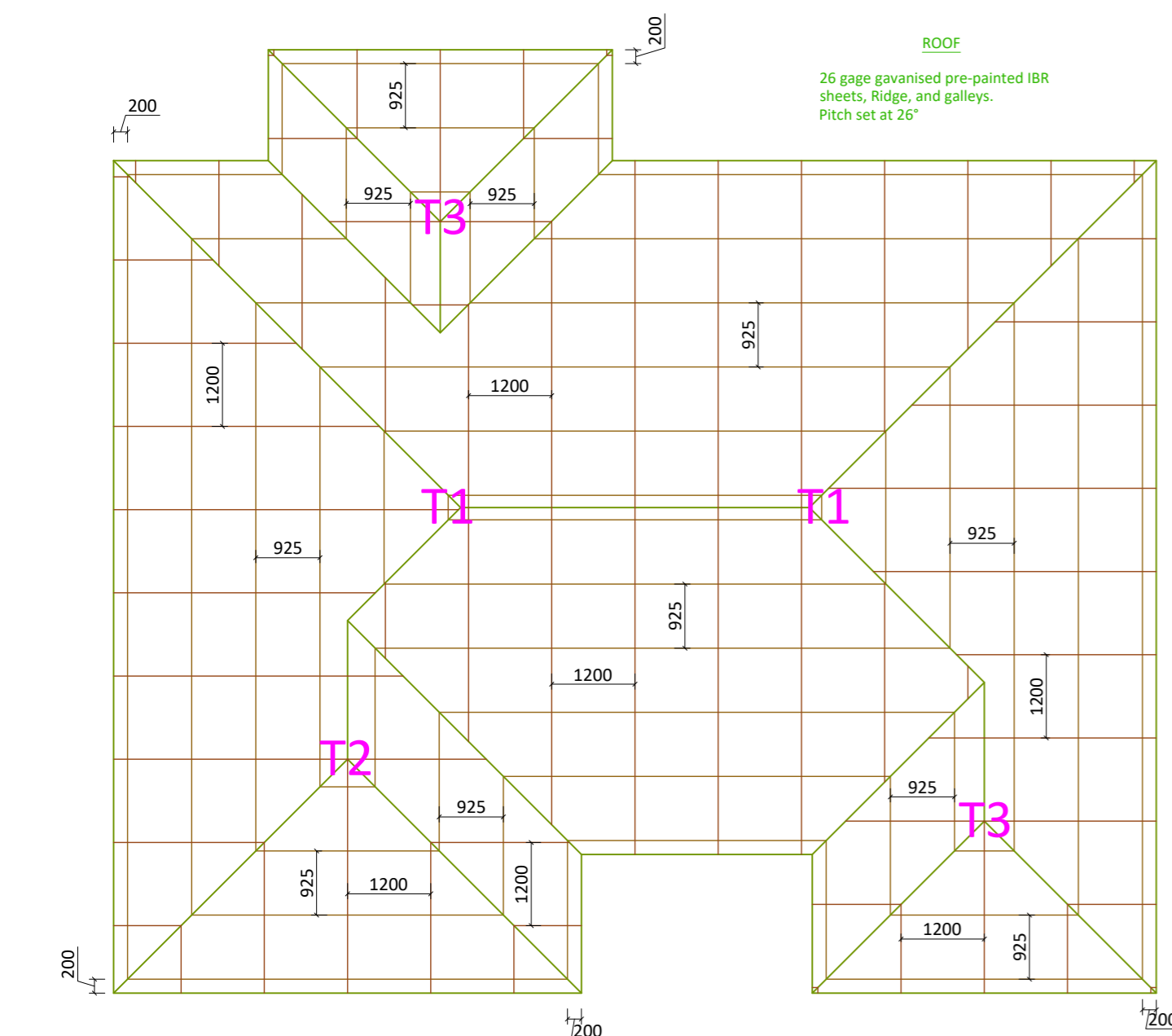
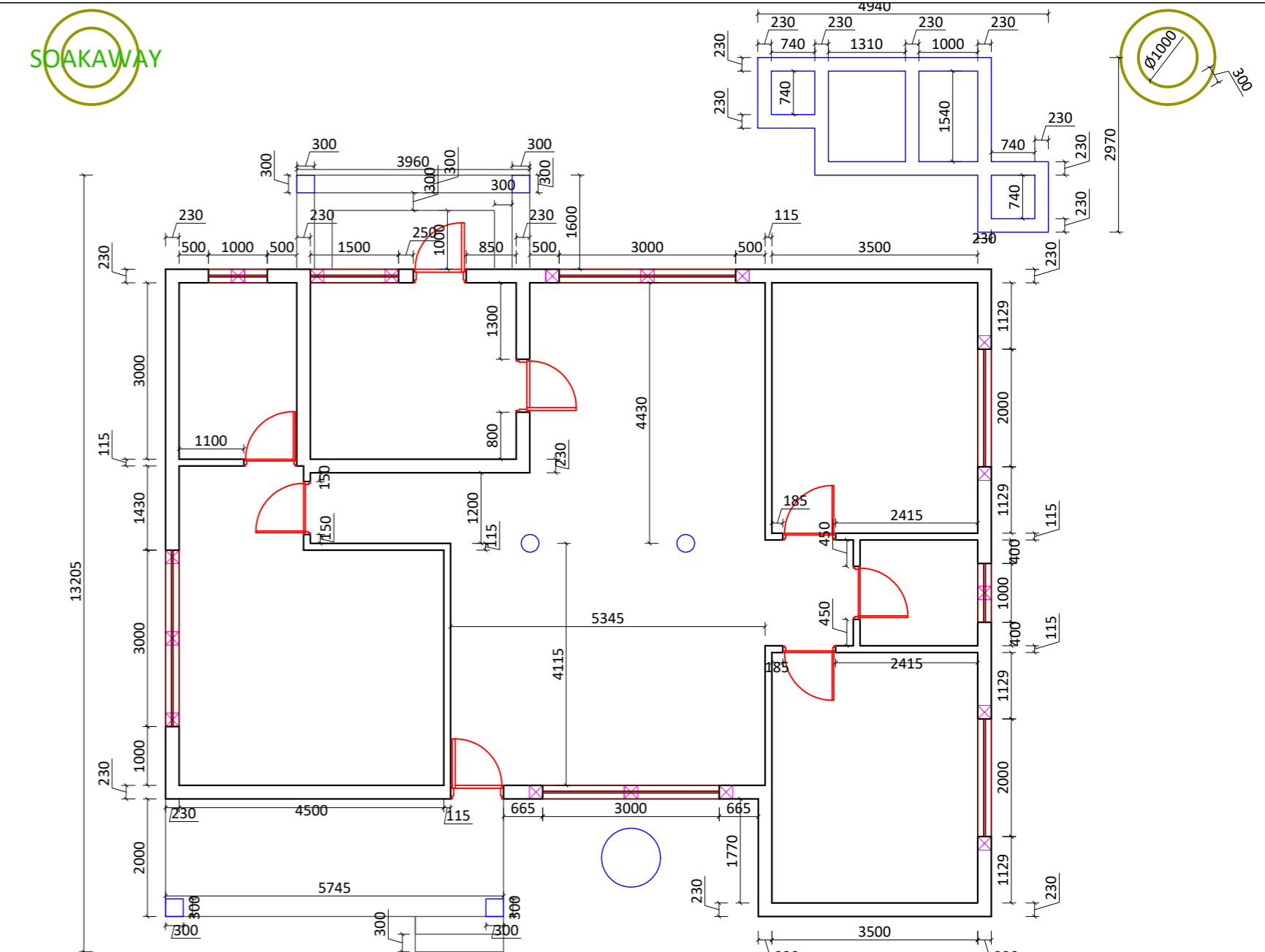
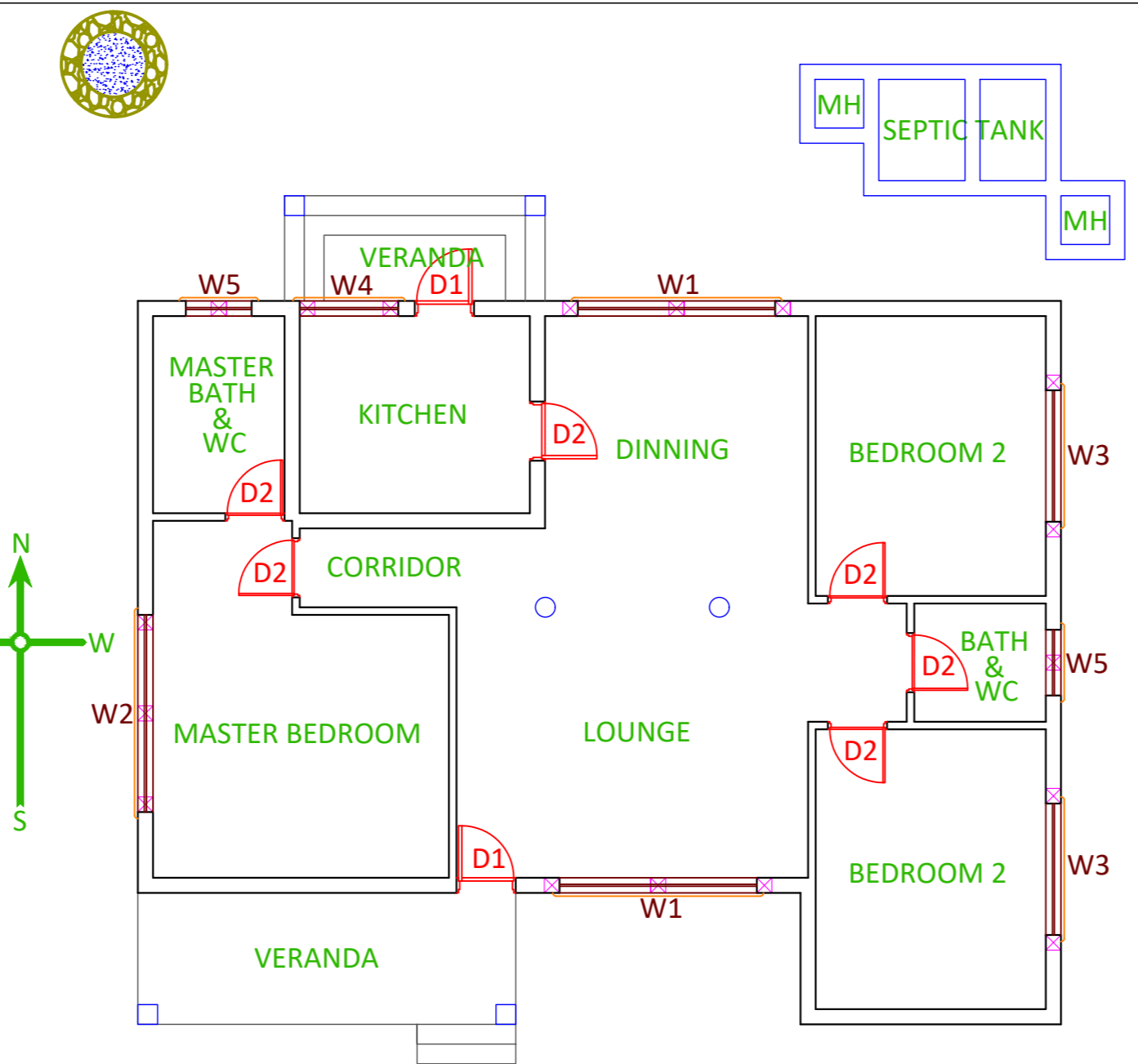
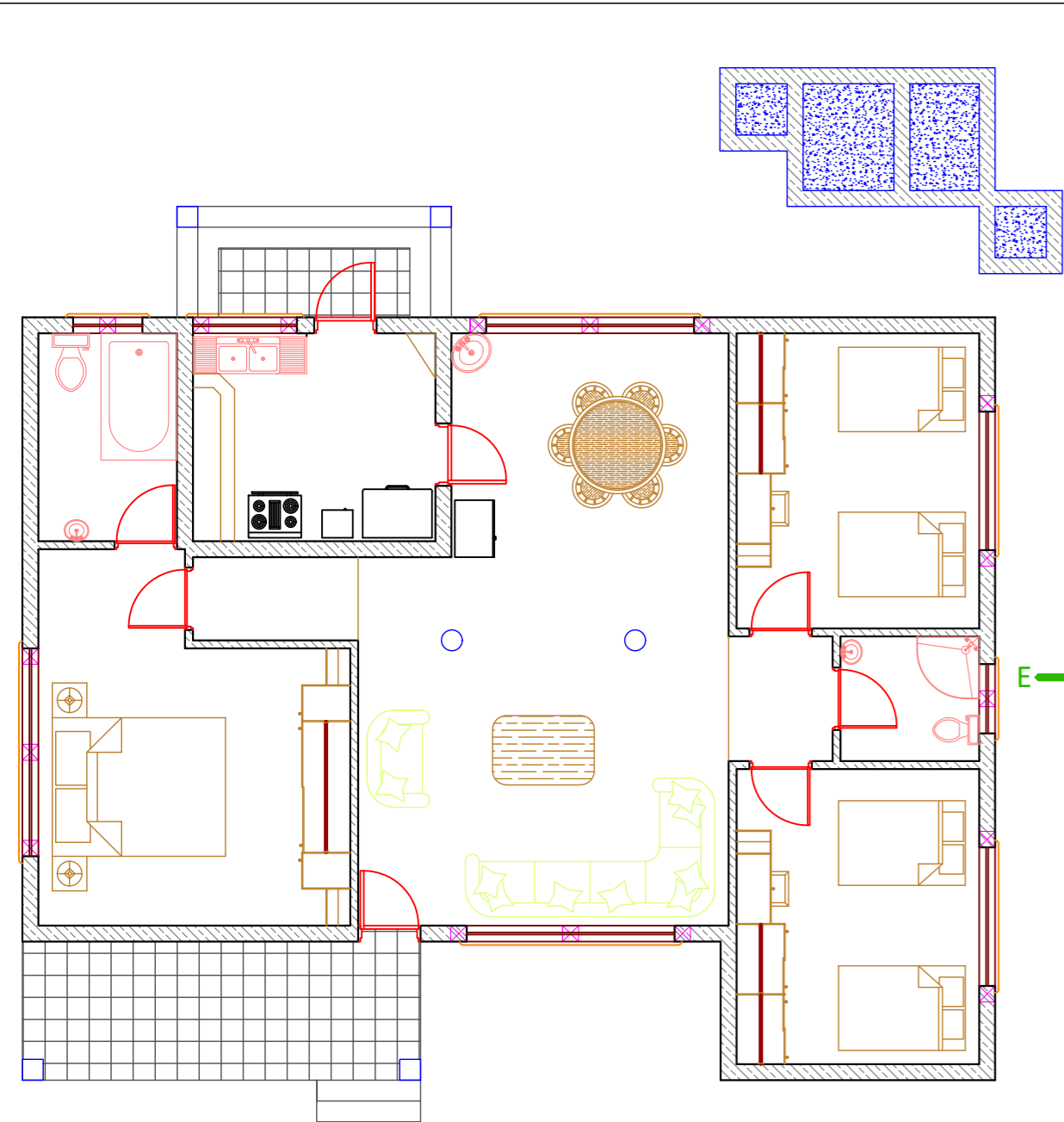
PROJECT LOCATION
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Prototype 3 - 3Rooms + Lounge, Dining
OVERVIEW
and
PLAN
DRAWING NUMBER **SC: 1:100**
HFHM/MWD/2023/03-01



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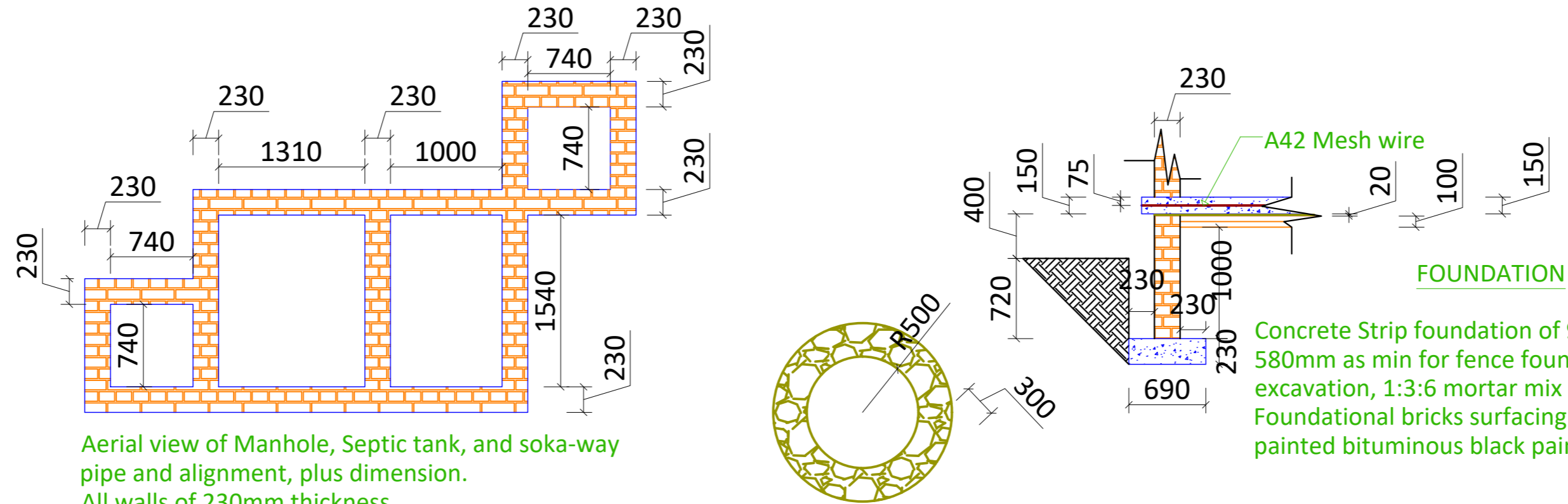
PROJECT LOCATION
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Prototype 3 - 3Rooms + Lounge, Dining
X- SECTION, SCHEDULES, DIM & PLAN

DRAWING NUMBER **SC: 1:100**
HFHM/MWD/2023/03-02





Aerial view of Manhole, Septic tank, and soka-way pipe and alignment, plus dimension. All walls of 230mm thickness

Concrete Strip foundation of 950mm, and 580mm as min for fence foundation trench excavation, 1:3:6 mortar mix ratio. Foundational bricks surfacing plastered and painted bituminous black paint

MANHOLE

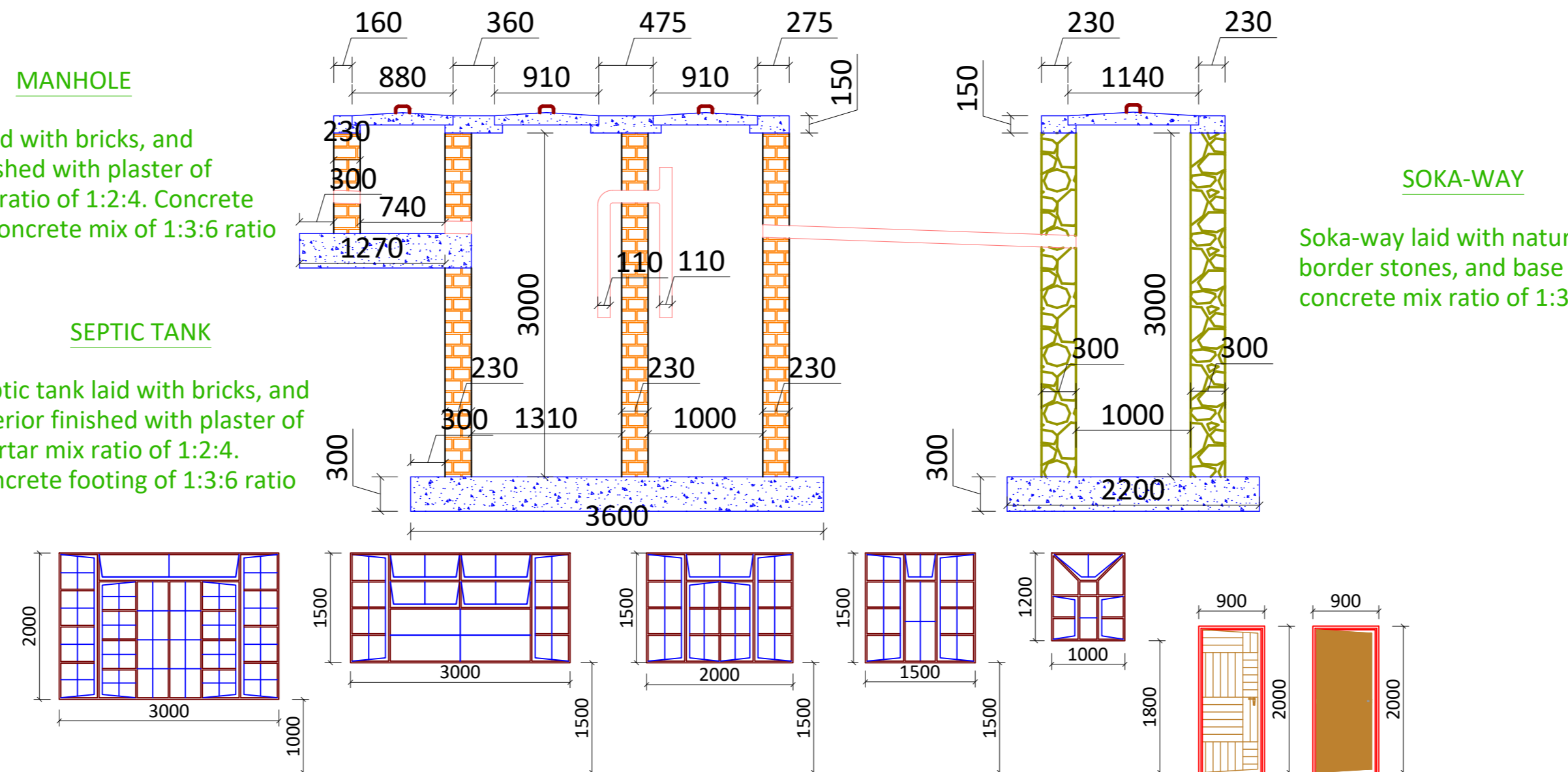
Manhole laid with bricks, and Interior finished with plaster of mortar mix ratio of 1:2:4. Concrete footing of concrete mix of 1:3:6 ratio

SEPTIC TANK

Septic tank laid with bricks, and Interior finished with plaster of mortar mix ratio of 1:2:4. Concrete footing of 1:3:6 ratio

SOKA-WAY

Soka-way laid with natural border stones, and base with concrete mix ratio of 1:3:6



| | | | | | | |
|--|--|--|---|--|---|--|
| <p>W1</p> <p>No. REQUIRED: 2</p> <p>LOCATION: Lounge, and Dining</p> <p>FRAMES: Purpose made steel frames dimensions as shown</p> <p>GLASS: 4mm clear</p> <p>IRONMONGERY: Standard brass handles and stays</p> <p>FINISH: Frames painted 3coats gloss enamel in approved color</p> <p>CILLS: Internal Conc. window cill covered with 150x50mm thick HW/gulam bluegum stool with 2coats polyurethane varnish, Apron and trim with laminated bluegum.</p> | <p>W2</p> <p>No. REQUIRED: 1</p> <p>LOCATION: Master Bedroom</p> <p>FRAMES: Purpose made steel frames dimensions as shown</p> <p>GLASS: 4mm clear</p> <p>IRONMONGERY: Standard brass handles and stays</p> <p>FINISH: Frames painted 3coats gloss enamel in approved color</p> <p>CILLS: Internal Conc. window cill covered with 150x50mm thick HW/gulam bluegum stool with 2coats polyurethane varnish, Apron and trim with laminated bluegum.</p> | <p>W3</p> <p>No. REQUIRED: 2</p> <p>LOCATION: Bedrooms 1&2</p> <p>FRAMES: Purpose made steel frames dimensions as shown</p> <p>GLASS: 4mm clear</p> <p>IRONMONGERY: Standard brass handles and stays</p> <p>FINISH: Frames painted 3coats gloss enamel in approved color</p> <p>CILLS: Internal Conc. window cill covered with 150x50mm thick HW/gulam bluegum stool with 2coats polyurethane varnish, Apron and trim with laminated bluegum.</p> | <p>W4</p> <p>No. REQUIRED: 1</p> <p>LOCATION: Kitchen</p> <p>FRAMES: Purpose made steel frames dimensions as shown</p> <p>GLASS: 4mm clear</p> <p>IRONMONGERY: Standard brass handles and stays</p> <p>FINISH: Frames painted 3coats gloss enamel in approved color</p> <p>CILLS: Internal Conc. window cill covered with 150x50mm thick HW/gulam bluegum stool with 2coats polyurethane varnish, Apron and trim with laminated bluegum.</p> | <p>W5</p> <p>No. REQUIRED: 2</p> <p>LOCATION: Master bath & Common bath</p> <p>FRAMES: Purpose made steel frames dimensions as shown</p> <p>GLASS: 4mm clear glass for top panel 6mm obscure glass for mid & bottom panel</p> <p>IRONMONGERY: Standard brass handles & stays</p> <p>FINISH: Frames painted 3coats gloss enamel in approved color</p> <p>CILLS: Internal Conc. window cill covered with 150x50mm thick HW/gulam bluegum stool with 2coats polyurethane varnish, Apron & trim with laminated bluegum.</p> | <p>D1</p> <p>No. REQUIRED: 2</p> <p>LOCATION: Lounge and Kitchen</p> <p>FRAMES: Purpose made treated H/W frames</p> <p>GLASS: 4mm clear glass for top panel 6mm obscure glass for mid & bottom panel</p> <p>IRONMONGERY: Standard brass handles & stays</p> <p>FINISH: Frames painted 3coats gloss enamel in approved color</p> <p>CILLS: Internal Conc. window cill covered with 150x50mm thick HW/gulam bluegum stool with 2coats polyurethane varnish, Apron & trim with laminated bluegum.</p> | <p>D2</p> <p>No. REQUIRED: 6</p> <p>LOCATION: Master bath & bedroom, Dining, Bedrooms 1&2, Common bath</p> <p>FRAMES: Pressed steel door frames</p> <p>GLASS: Semi solid core interior quality flush door</p> <p>IRONMONGERY: 2 Lever "UNION" Mortise Locks 1 pair 125mm narrow butt hinges fixed with 9 No. 40mm brass counter sunk screws</p> <p>OTHER: Floor mounted door stoppers</p> |
|--|--|--|---|--|---|--|



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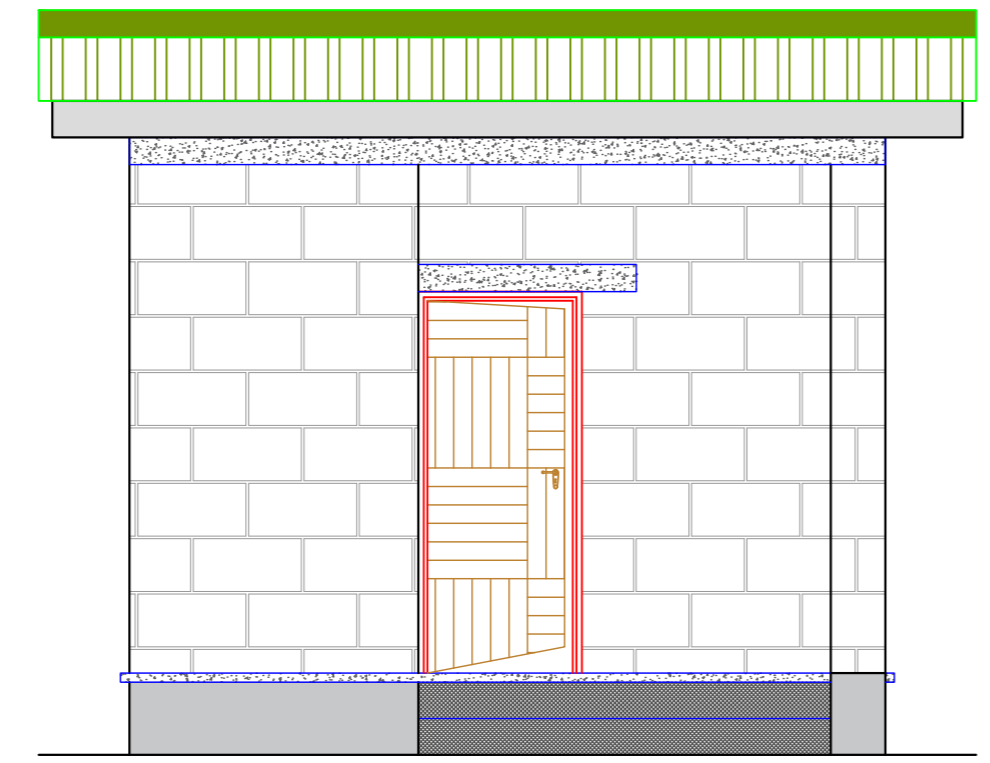
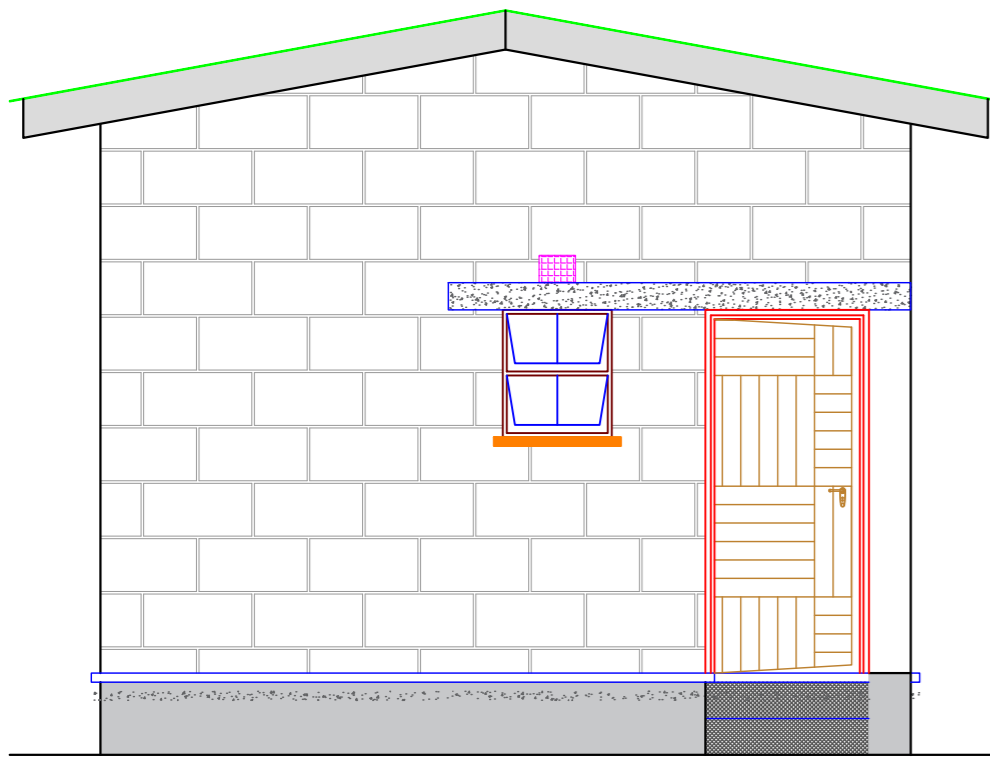


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URBAN and RURAL

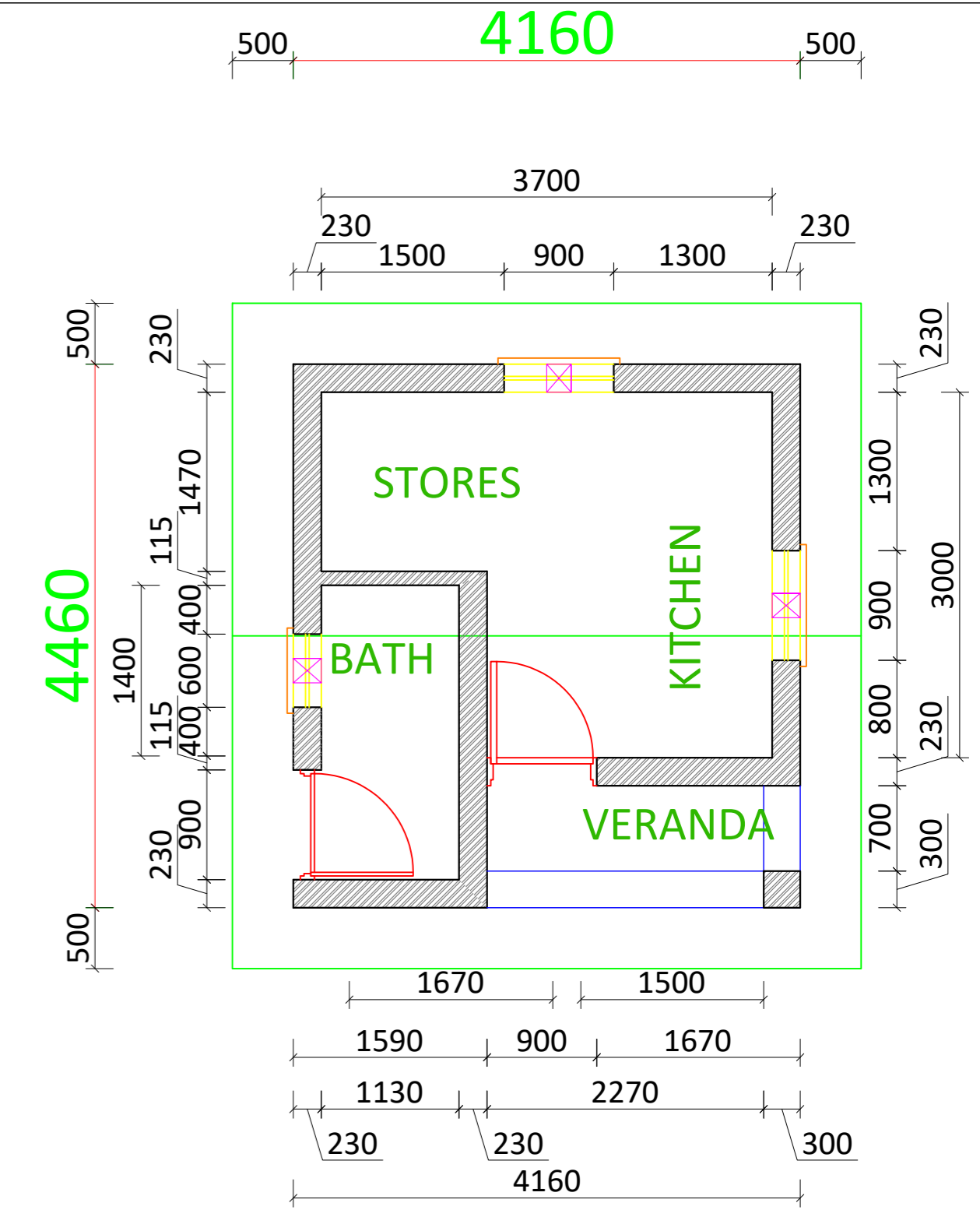
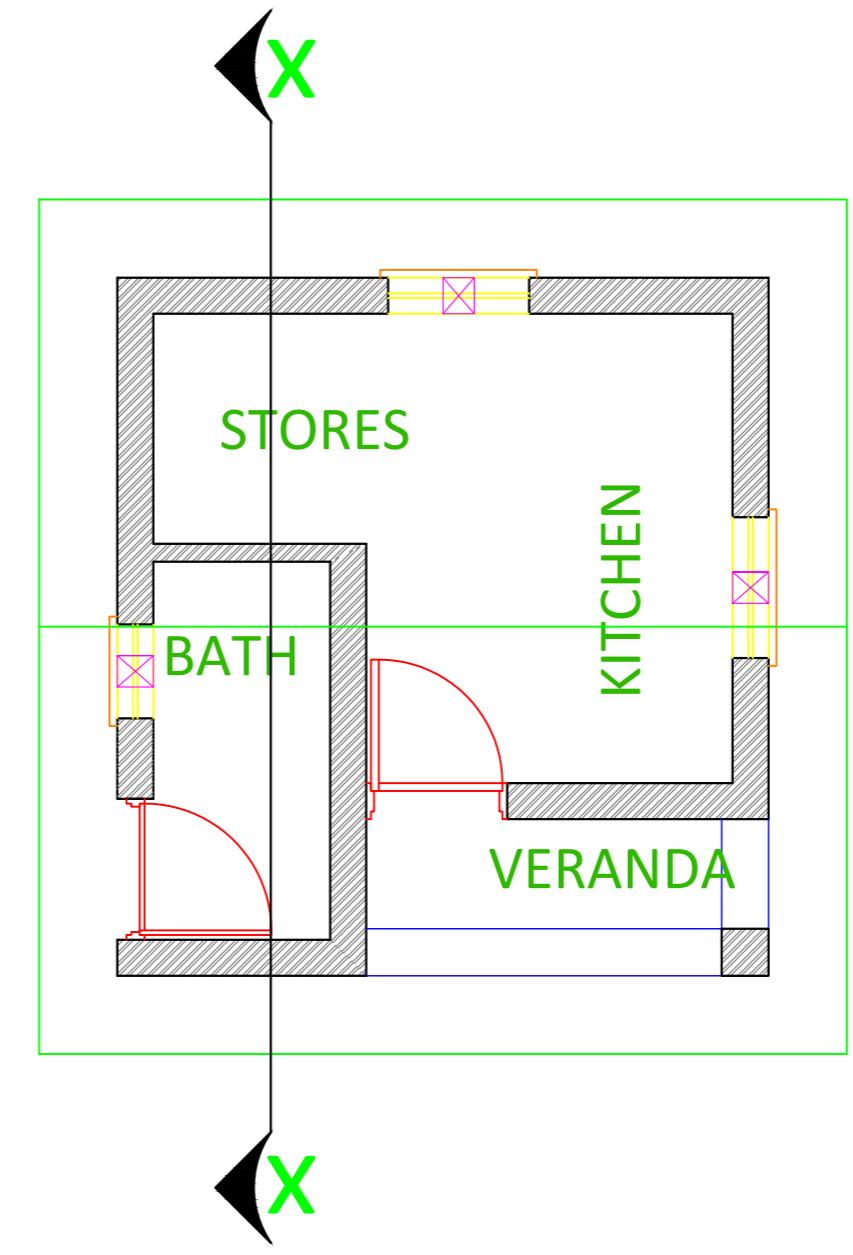
Drafted & Designed by
HFHM on **June/2023**
Checked by
Gr. Arch. William Kachikopa
Approved by

Prototype 3 - 3Rooms + Lounge, Dining
X- SECTION, SCHEDULES, DIM & PLAN
DRAWING NUMBER SC: 1:100
HFHM/MWD/2023/03-03



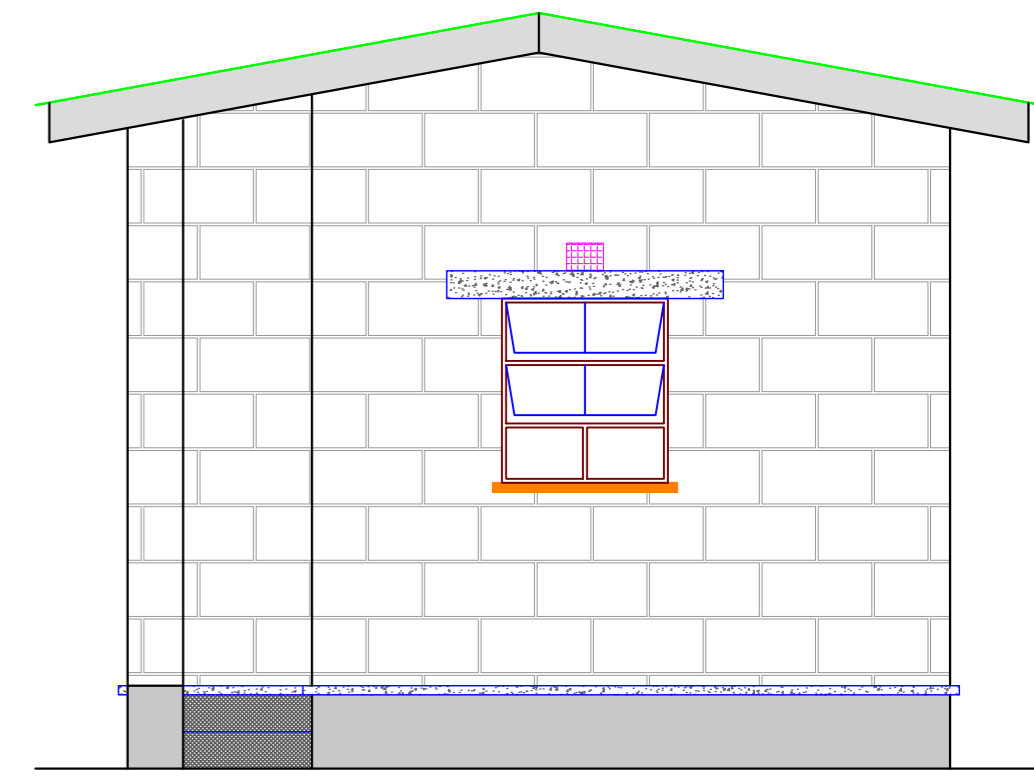
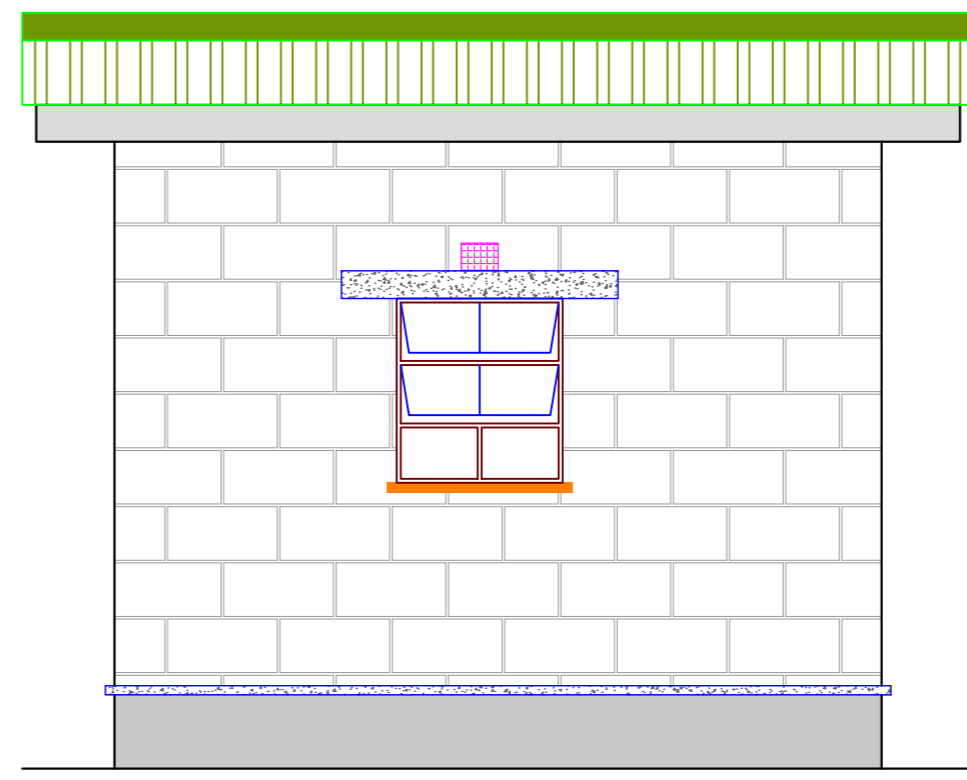


WEST ELEVATION SOUTH ELEVATION






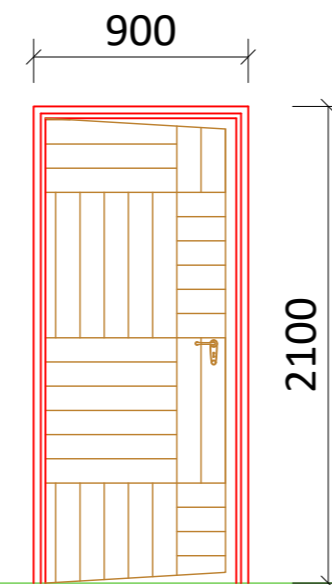
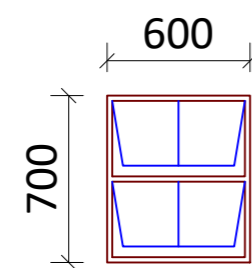
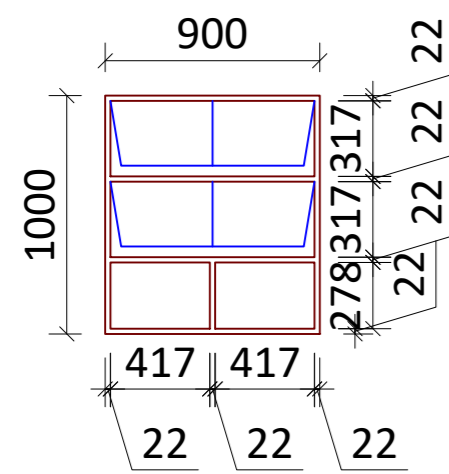
RURAL KITCHEN AND BATHROOM OF SSB OR BURNT BRICKS

- Unit is of 18.55m² Area
- 1 kitchen, plus stores
- 1 bathroom
- Kitchen with chimney
- IBR design gable roof of pitch set at 10.38°
- Minimum housing surrounding area to be of 20x20meters plot = 400m²



NORTH ELEVATION EAST ELEVATION

| | | | | |
|--|---|---|---|---|
|  <p>This drawing and the information herein are the property of Habitat for Humanity Malawi and The Ministry of Lands. Hence, may not be used for other than the purpose for which it is created without explicit written permission from the two.</p> |  <p>PROJECT LOCATION MALAWI URBAN and RURAL</p> | <p><i>Drafted & Designed by</i> HFHM on June/2023</p> | <p>Prototype 4 - Kitchen + Stores, Shower</p> |  |
| | | <p><i>Checked by</i> Gr. Arch. William Kachikopa</p> <p><i>Approved by</i></p> | <p>ELEVATIONS, PLAN & DIM</p> <p>DRAWING NUMBER SC: 1:100 HFHM/MWD/2023/04-01</p> | |



W1

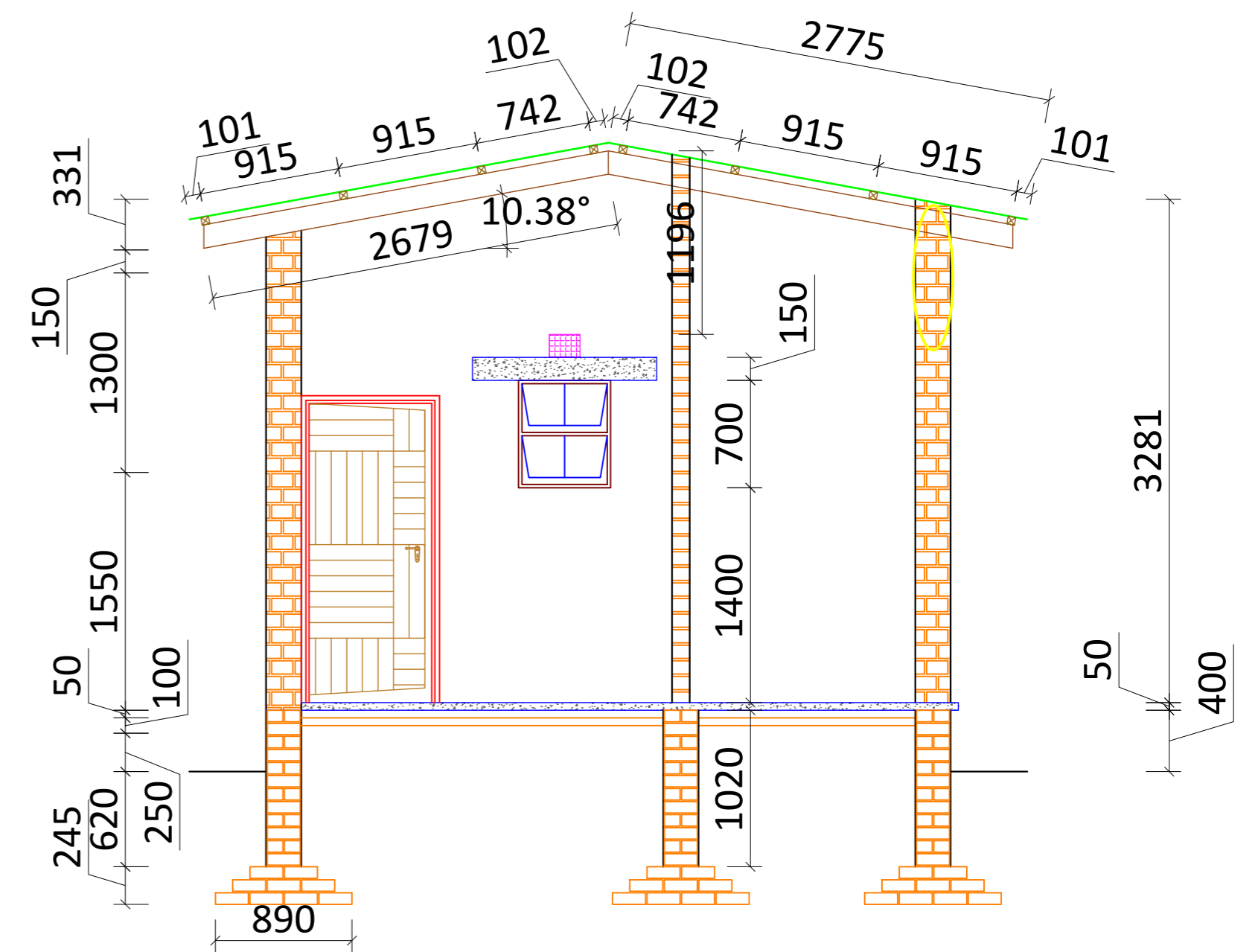
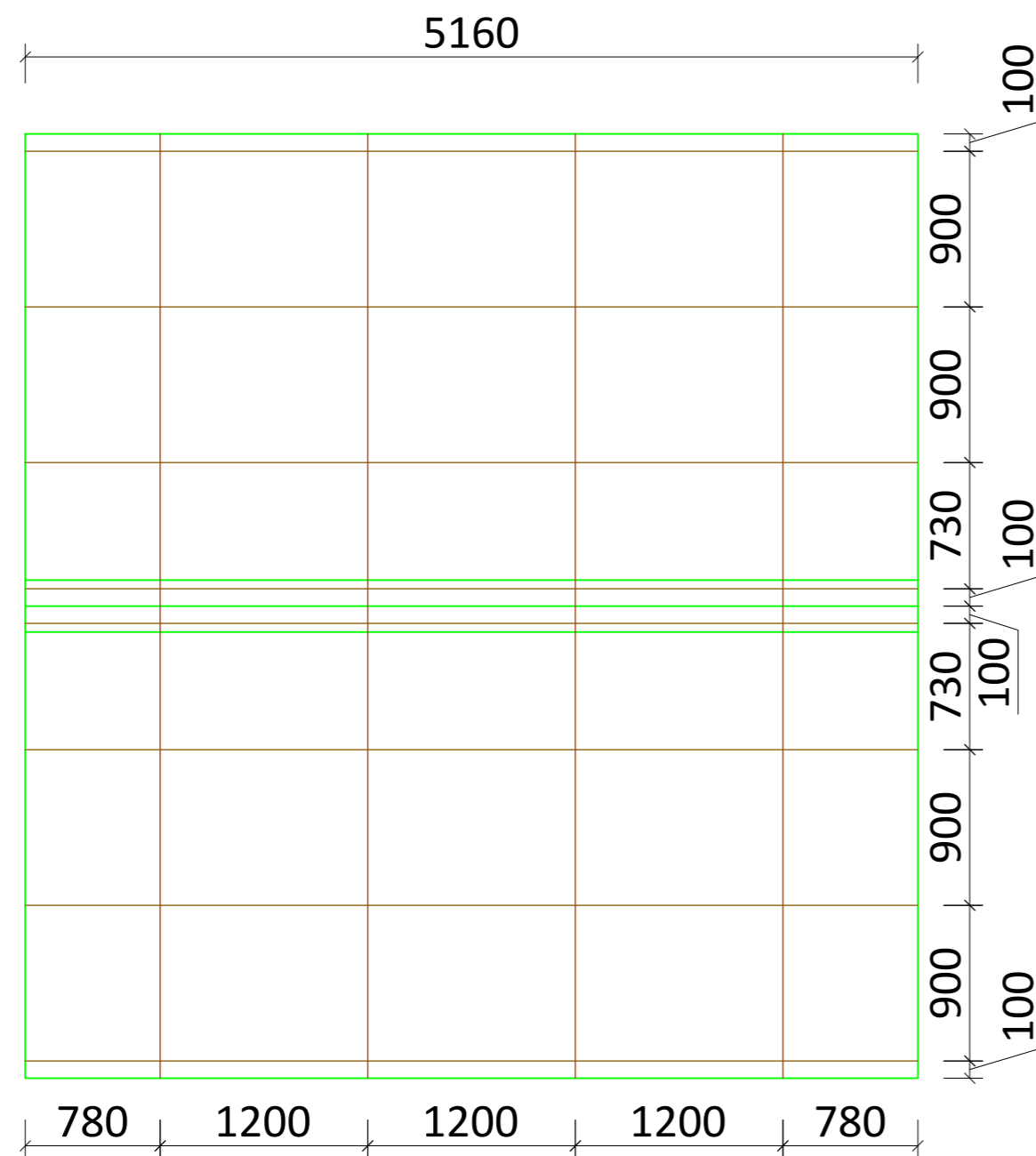
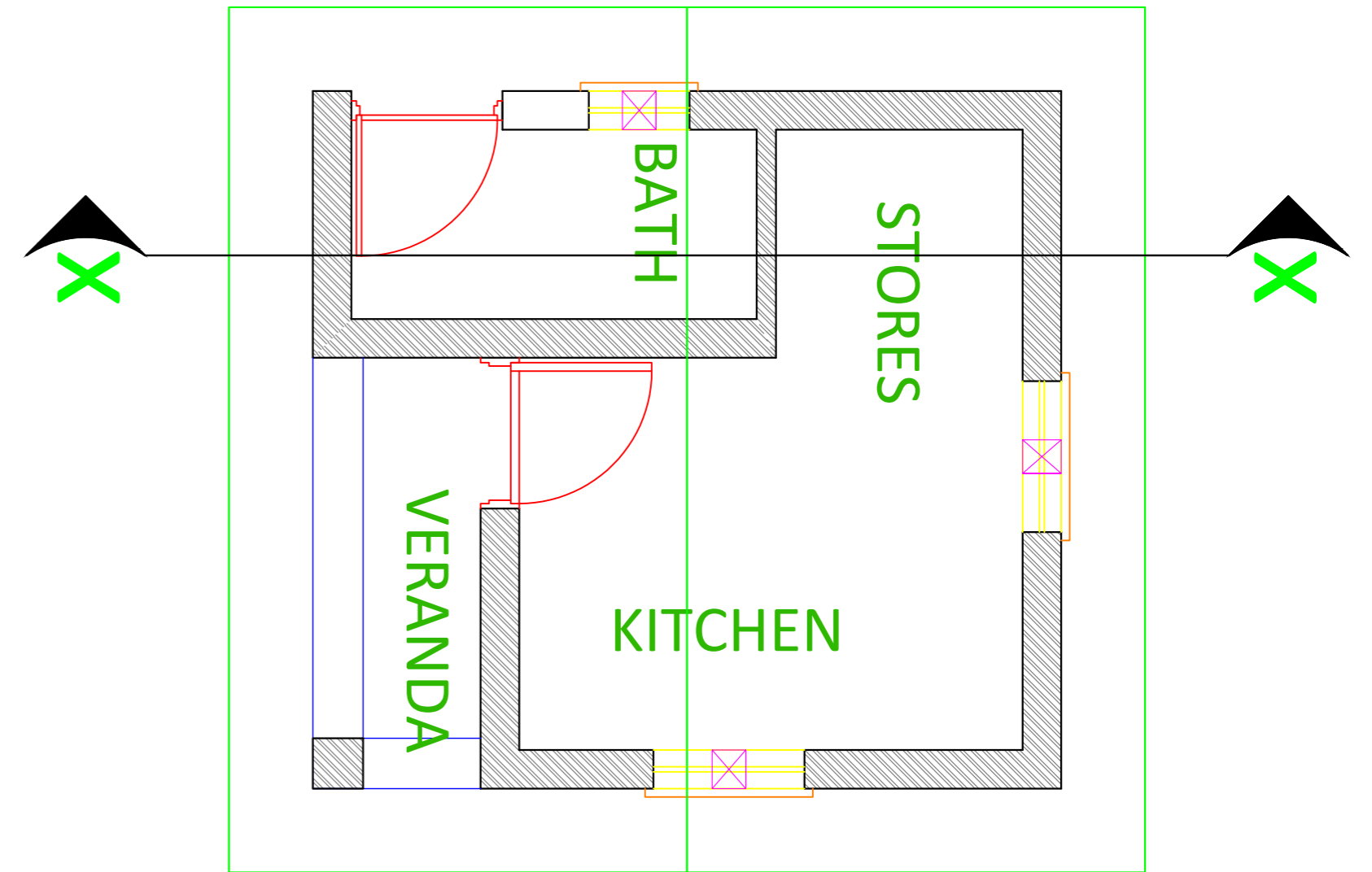
No. REQUIRED: 2
 LOCATION: Kitchen and Stores
 FRAMES: Purpose made steel frames dim as shown
 GLASS: 4mm clear glass for top panel 6mm obscure glass for bottom panel
 IRONMONGERY: Standard brass handles & stays
 FINISH: Frames painted 3coats gloss enamel in approved color
 CILLS: Internal Conc. window cill covered with 150x50mm thick HW/glulam bluegum stool with 2coats polyurethane vanish, Apron & trim with laminated bluegum.

W2

No. REQUIRED: 1
 LOCATION: Bathroom
 FRAMES: Purpose made steel frames dim as shown
 GLASS: 4mm clear glass for top panel 6mm obscure glass for bottom panel
 IRONMONGERY: Standard brass handles & stays
 FINISH: Frames painted 3coats gloss enamel in approved color
 CILLS: Internal Conc. window cill covered with 150x50mm thick HW/glulam bluegum stool with 2coats polyurethane vanish, Apron & trim with laminated bluegum.

D2

No. REQUIRED: 2
 LOCATION: Kitchen & Bathroom
 FRAMES: Purpose made treated H/W frames
 DOORS: Purpose made treated H/W doors
 FINISH: Varnished 2coats with clear glass vanish
 IRONMONGERY: ISEO swing dead lock with roller catch, type HA5027 and Kafli lever handle (HA605Z)
 HINGES: As per supplied by supplier



CROSS SECTION X-X



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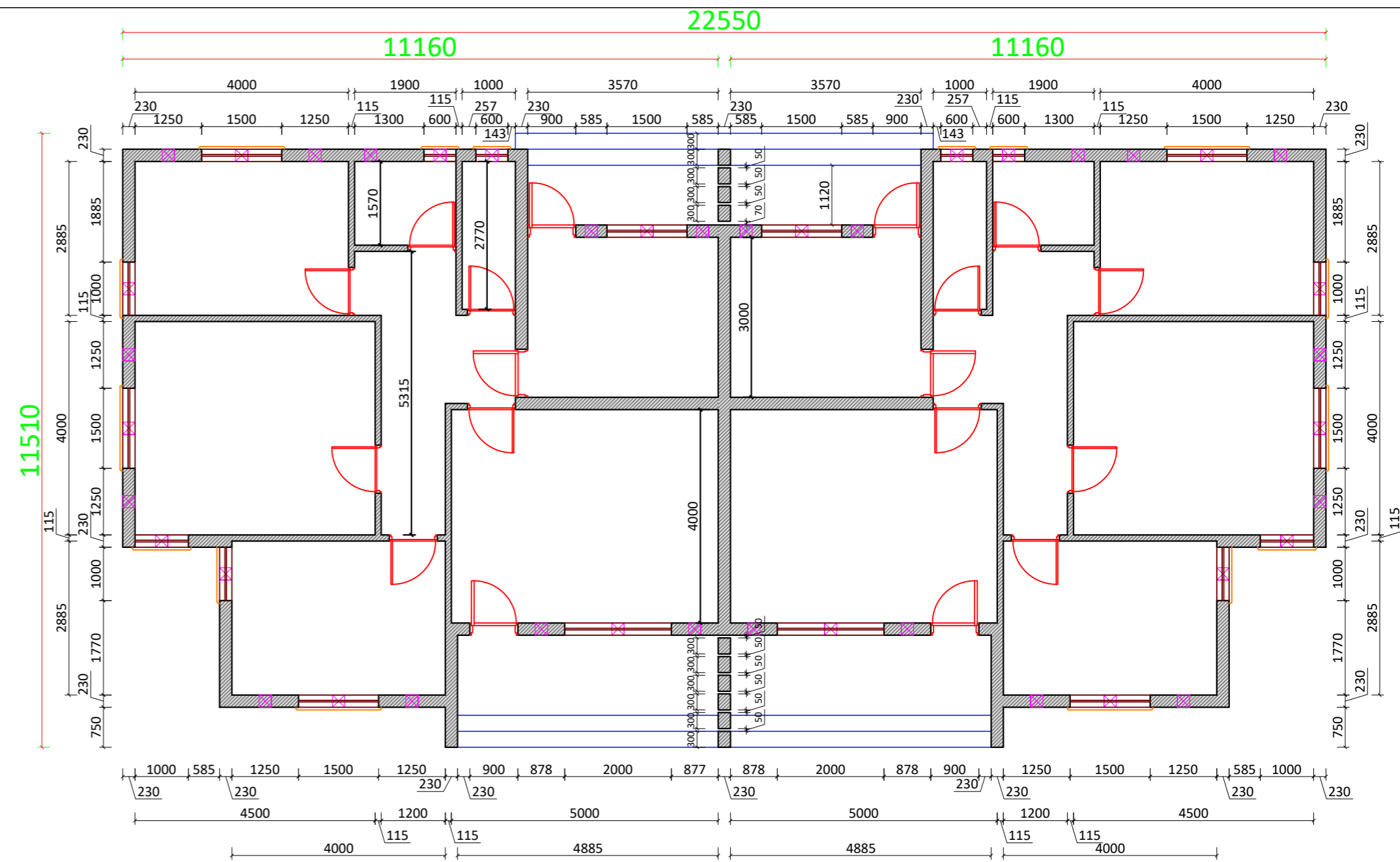
PROJECT LOCATION
 MALAWI
 URBAN and RURAL

Drafted & Designed by
HFHM on June/2023
Checked by
Gr. Arch. William Kachikopa
Approved by

Prototype 4 - Kitchen + Stores, Shower
 X- SECTION, and SCHEDULES,
DRAWING NUMBER SC: 1:100
HFHM/MWD/2023/04-02

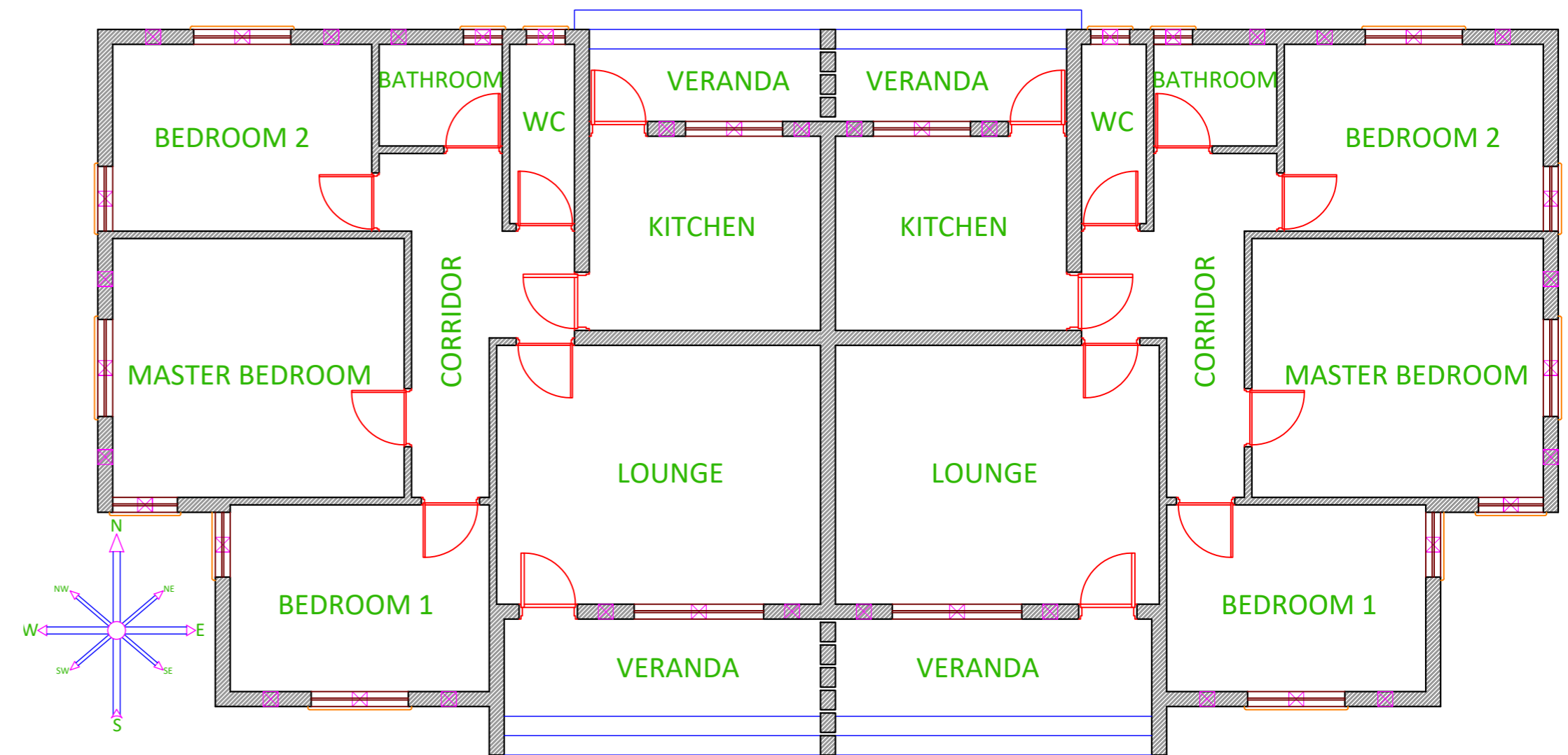


Habitat for Humanity Malawi



SEMIDETACHED URBAN HOUSE PLAN OF EITHER SSB OR CEMENT BLOCKS

- House is of 259m² Area
- 3 bedrooms
- Lounge and Kitchen
- Kitchen with pantry
- Shared full bathroom
- A common toilet
- IBR design hip roof of pitch set at 15°
- Minimum housing surrounding area to be of 40x30meters plot = 1,200m²



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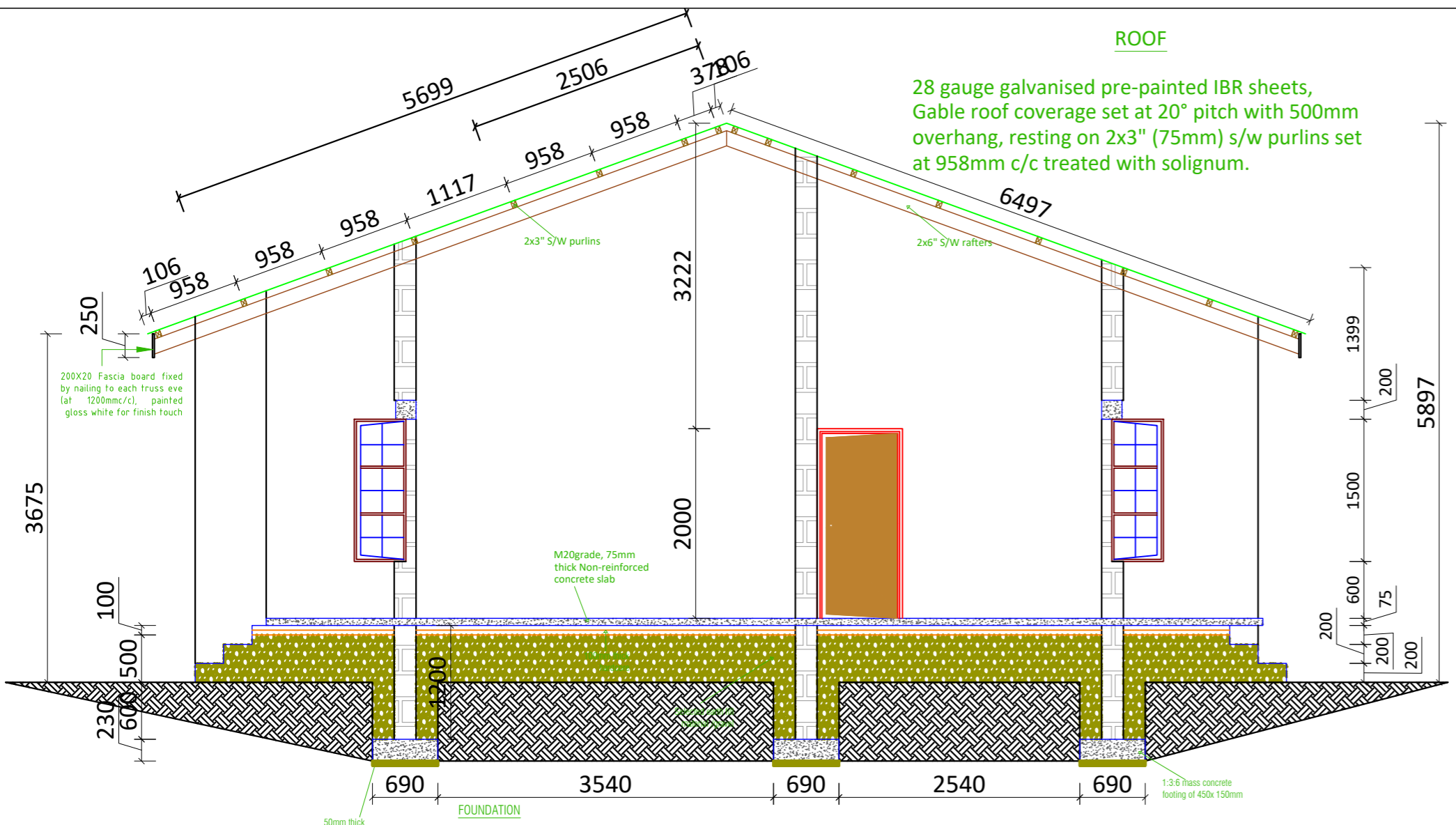
PROJECT LOCATION
MALAWI
URBAN and RURAL

Drafted & Designed by
HFHM on **June/2023**
Checked by
Gr. Arch. William Kachikopa
Approved by

Prototype 5 - 3Rooms + Kitchen, Lounge
OVERVIEW,
PLAN & DIM
DRAWING NUMBER **SC: 1:100**
HFHM/MWD/2023/05-01



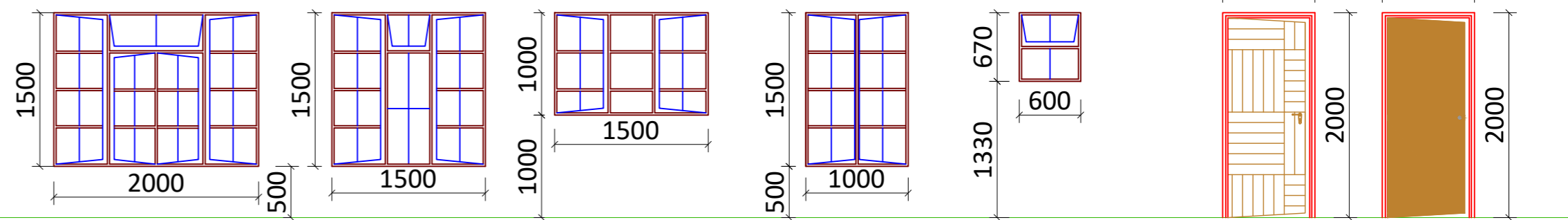
Habitat
for Humanity[®]
Malawi



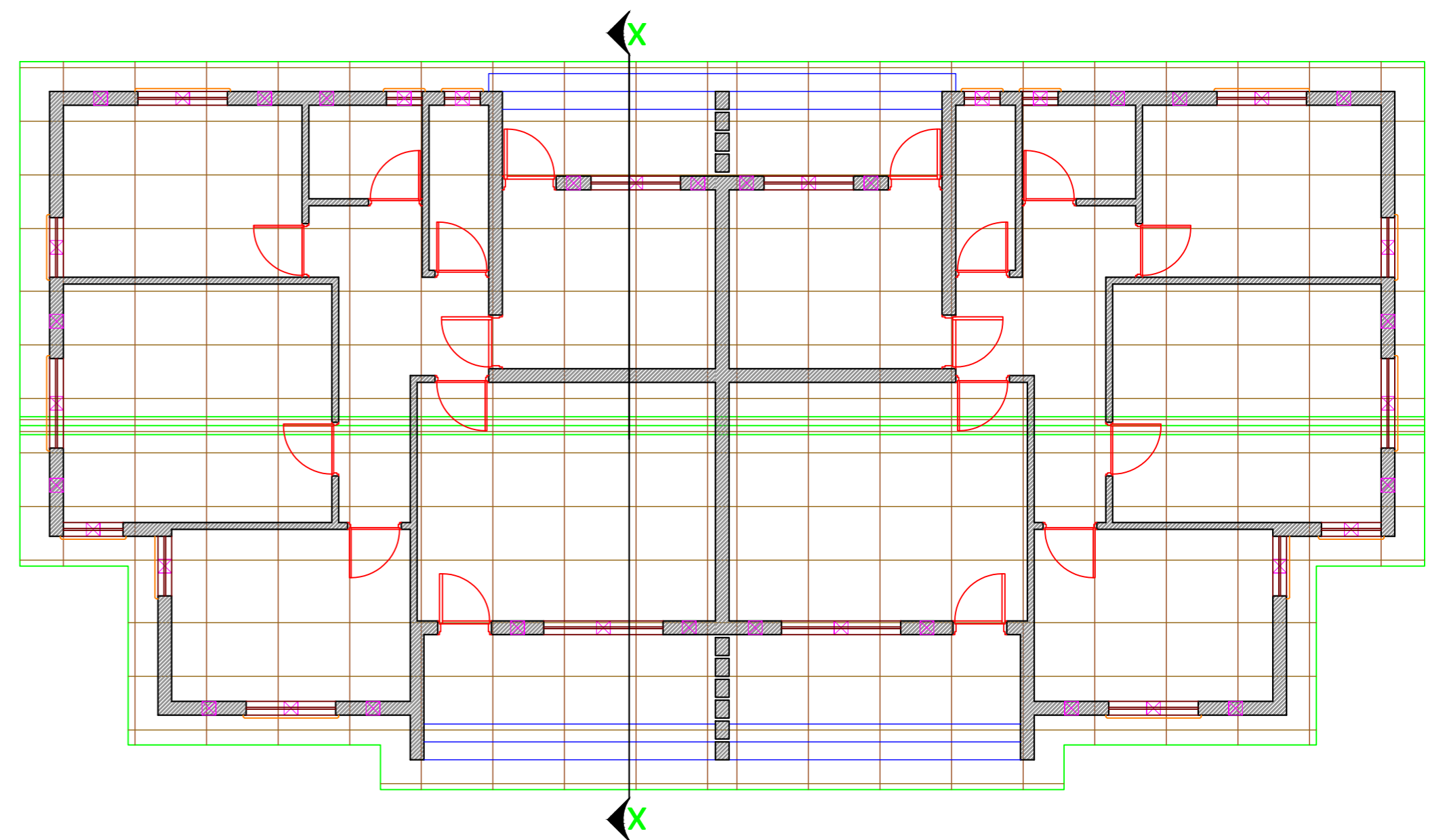
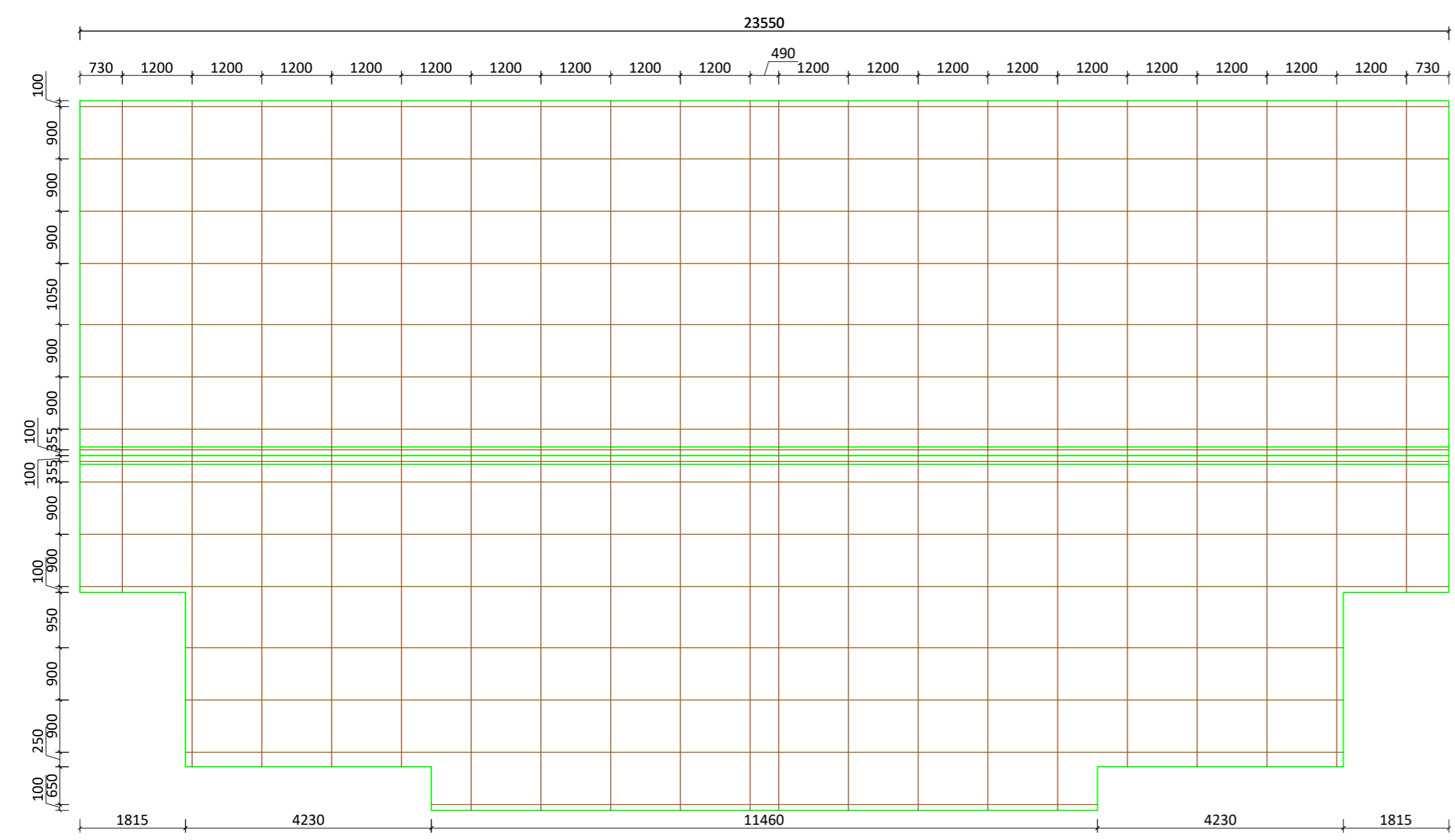
CROSS SECTION X-X

28 gauge galvanised pre-painted IBR sheets, Gable roof coverage set at 20° pitch with 500mm overhang, resting on 2x3" (75mm) s/w purlins set at 958mm c/c treated with solignum.

1:3:6 non-reinforced conc. on 50mm sandblinding.
 Fdn wall of 150x200x400mm hollow cement block bedded with 1:4 mortar mix jointed 10mm apart, reinforced with brickforce wire every second course.
 Fdn walls (plinth) of 1200mm height from footing to underneath of slab.
 1:4 cement mortar plaster to external skirting and painted bituminous black as a finishing.



| W1 | W2 | W3 | W4 | W5 | D1 | D2 |
|--|--|--|--|--|---|---|
| No. REQUIRED: 2 | No. REQUIRED: 6 | No. REQUIRED: 2 | No. REQUIRED: 6 | No. REQUIRED: 4 | No. REQUIRED: 4 | No. REQUIRED: 14 |
| LOCATION: Lounge | LOCATION: Bedroom 1, 2, and 3 | LOCATION: Kitchen | LOCATION: Bedroom 1, 2, and 3 | LOCATION: Bathroom & WC | LOCATION: Lounge and Kitchen | LOCATION: Master bedroom, Bedroom 1 & 2, WC Kitchen, bathroom |
| FRAMES: Purpose made steel frames dimensions as shown | FRAMES: Purpose made steel frames dim as shown | FRAMES: Purpose made steel frames dimensions as shown | FRAMES: Purpose made steel frames dim as shown | FRAMES: Purpose made steel frames dim as shown | FRAMES: Purpose made treated H/W frames | FRAMES: Pressed steel door frames |
| GLASS: 4mm clear | GLASS: 4mm clear | GLASS: 4mm clear | GLASS: 4mm clear | GLASS: 6mm obscure glass | GLASS: Purpose made treated H/W doors | GLASS: Semi solid core interior quality flush door |
| IRONMONGERY: Standard brass handles and stays | IRONMONGERY: Standard brass handles and stays | IRONMONGERY: Standard brass handles and stays | IRONMONGERY: Standard brass handles and stays | IRONMONGERY: Standard brass handles and stays | IRONMONGERY: Purpose made treated H/W doors | IRONMONGERY: 1 coat pink primer, 1 coat undercoat, & 2 coats gloss enamel in approved color |
| FINISH: Frames painted 3coats gloss enamel in approved color | FINISH: Frames painted 3coats gloss enamel in approved color | FINISH: Frames painted 3coats gloss enamel in approved color | FINISH: Frames painted 3coats gloss enamel in approved color | FINISH: Frames painted 3coats gloss enamel in approved color | FINISH: Varnished 2coats with clear glass varnish | FINISH: frame finished 2coats polyurethane varnish |
| CILLS: Internal Conc. window cill covered with 150x50mm thick HW/glulam bluegum stool with 2coats polyurethane varnish, Apron and trim with laminated bluegum. | CILLS: Internal Conc. window cill covered with 150x50mm thick HW/glulam bluegum stool with 2coats polyurethane varnish, Apron and trim with laminated bluegum. | CILLS: Internal Conc. window cill covered with 150x50mm thick HW/glulam bluegum stool with 2coats polyurethane varnish, Apron and trim with laminated bluegum. | CILLS: Internal Conc. window cill covered with 150x50mm thick HW/glulam bluegum stool with 2coats polyurethane varnish, Apron and trim with laminated bluegum. | CILLS: Internal Conc. window cill covered with 150x50mm thick HW/glulam bluegum stool with 2coats polyurethane varnish, Apron and trim with laminated bluegum. | CILLS: Internal Conc. window cill. | CILLS: ISEO swing dead lock with roller catch, type HAS027 & Kaffi lever handle(HA605Z) As per supplied |
| | | | | | | OTHER: Floor mounted door stoppers |



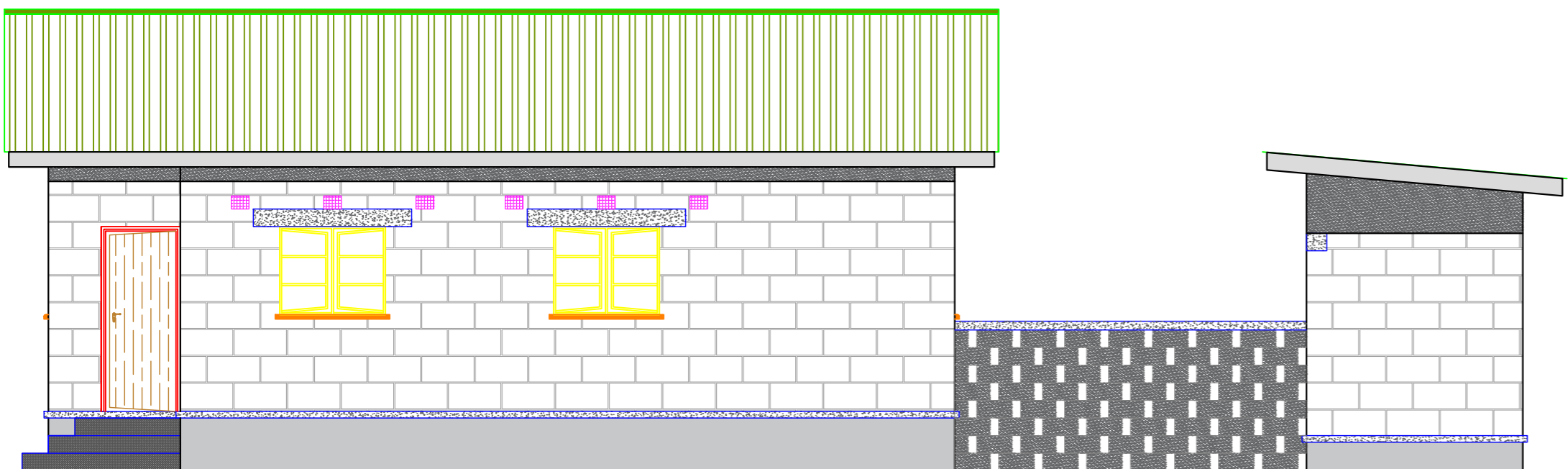
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PROJECT LOCATION
 MALAWI
 URBAN and RURAL

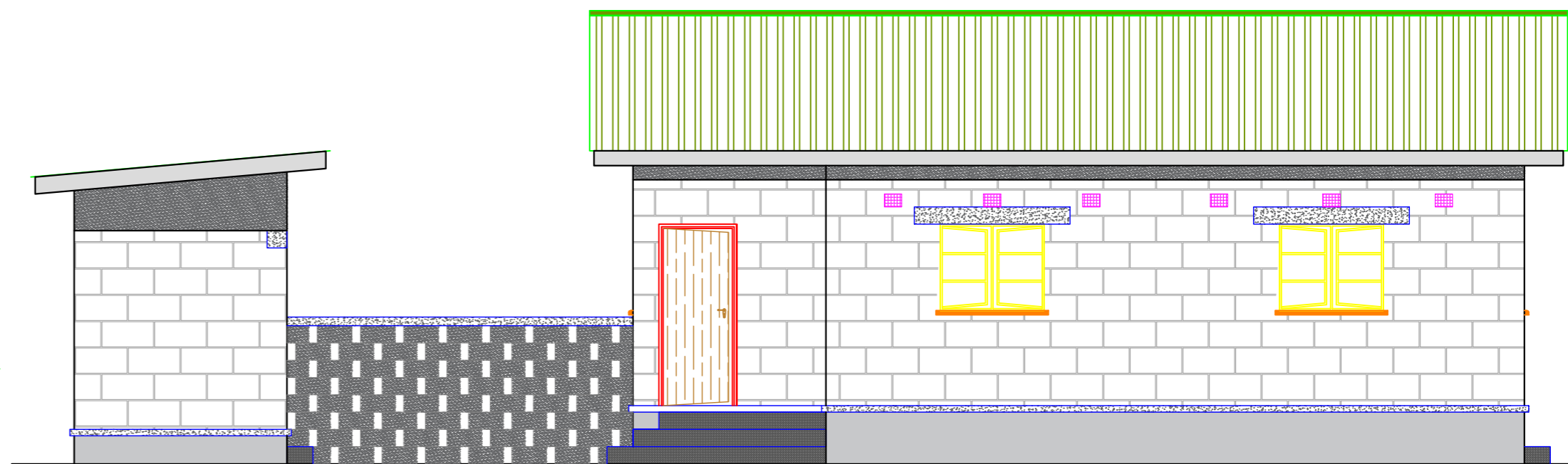
Drafted & Designed by
 HFHM on **June/2023**
Checked by
Gr. Arch. William Kachikopa
Approved by

Prototype 5 - 3Rooms + Lounge, Kitchen
 X- SECTION, SCHEDULES, and ROOF
DRAWING NUMBER **SC: 1:100**
HFHM/MWD/2023/05-02





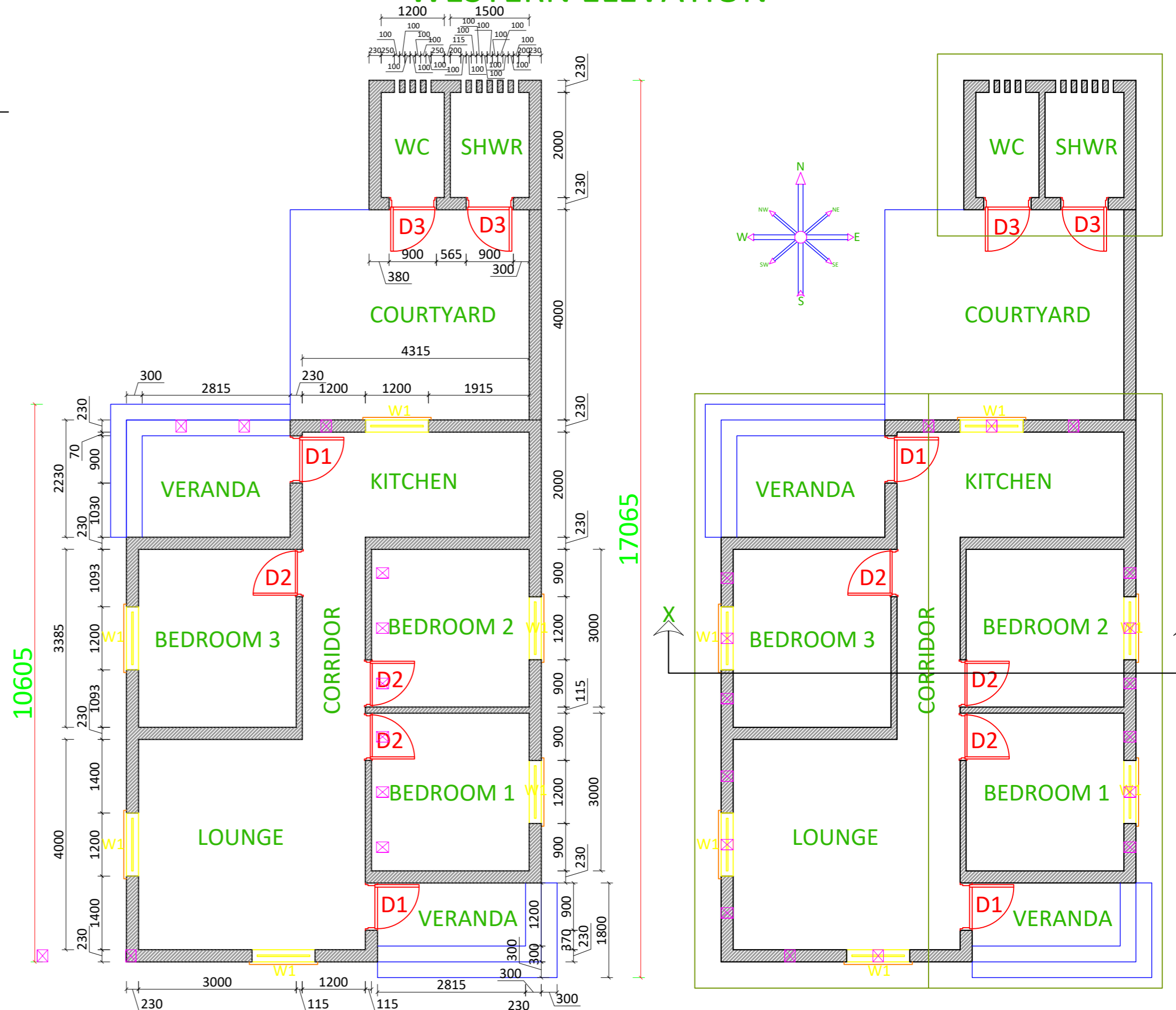
EASTERN ELEVATION



WESTERN ELEVATION

MORDENISED RURAL SSB / CEMENT BLOCK HOUSE PLAN

- House is of 139.80m² Area
- 3 bedrooms with single 6 glass window each
- Lounge with 2No. 6glass windows
- Corridor with a kitchen back exit door
- 1 Front and back Veranda
- A courtyard and latrine plus bathroom annex.
- IBR design gable roof with rafters for framing. Roof pitch set at 20°
- Minimum housing surrounding area to be of 15x30meters plot = 450m²



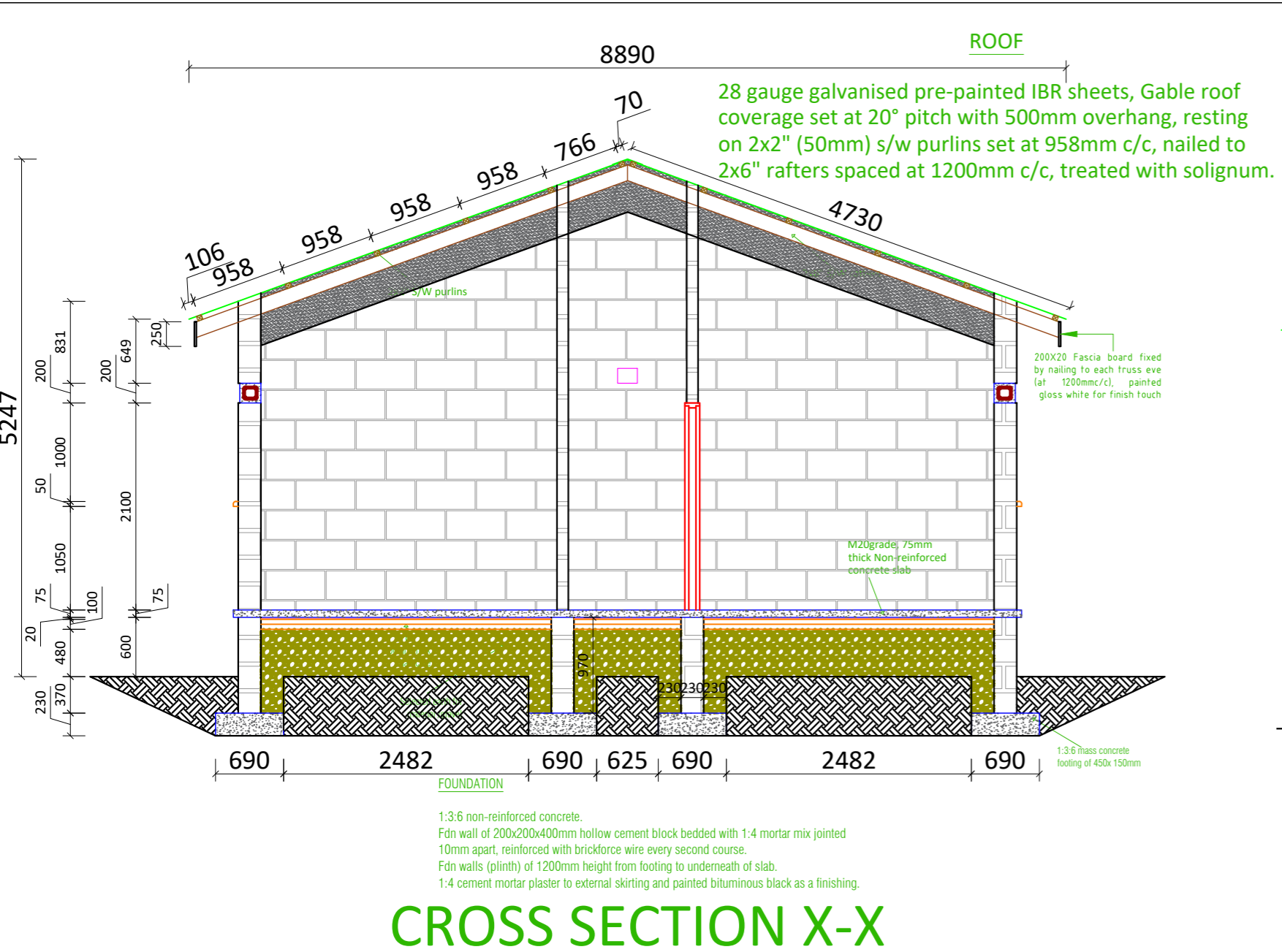
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PROJECT LOCATION
MALAWI
URBAN and RURAL

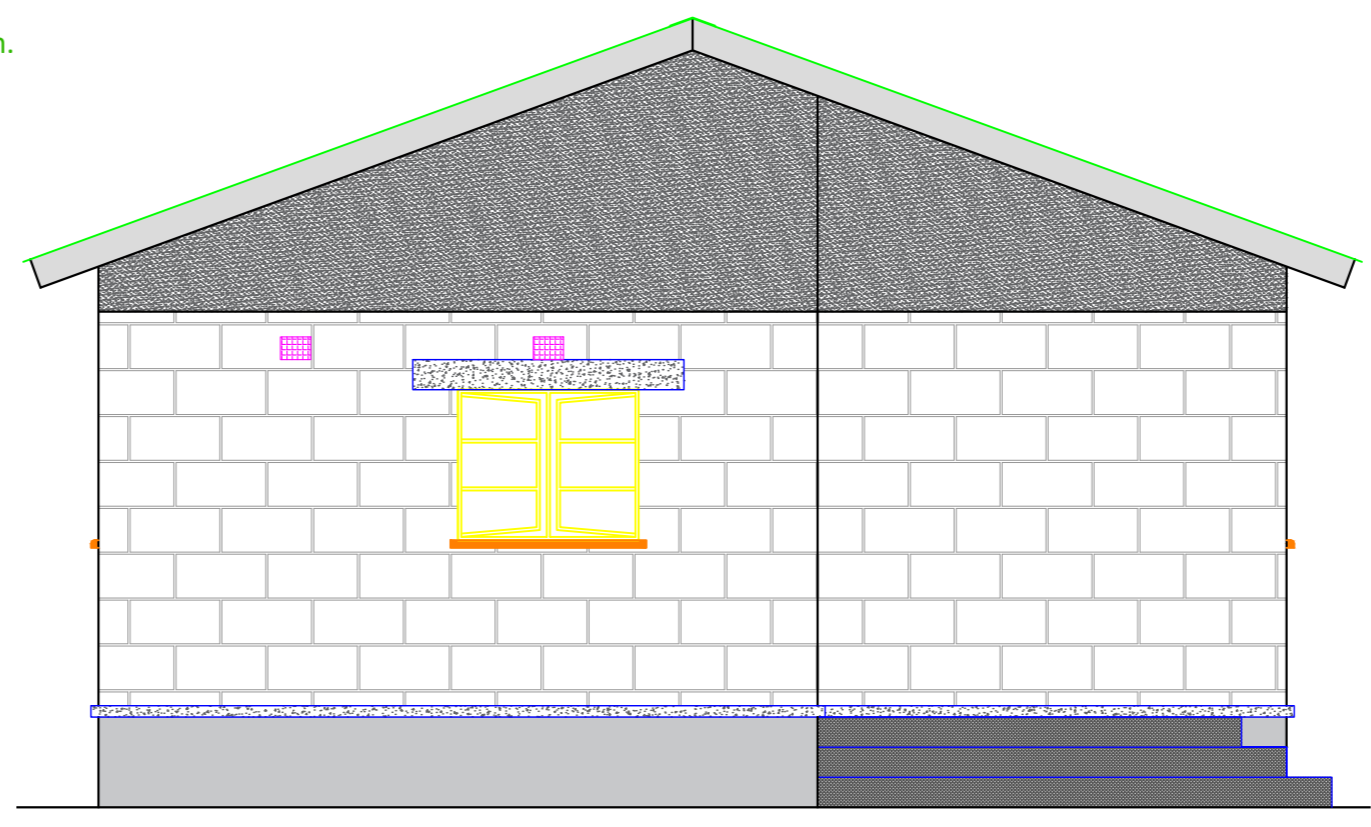
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Prototype 6 - 3Rooms + Kitchen, Lounge
ELEVATIONS, PLAN & DIM
DRAWING NUMBER SC: 1:100
HFHM/MWD/2023/06-01

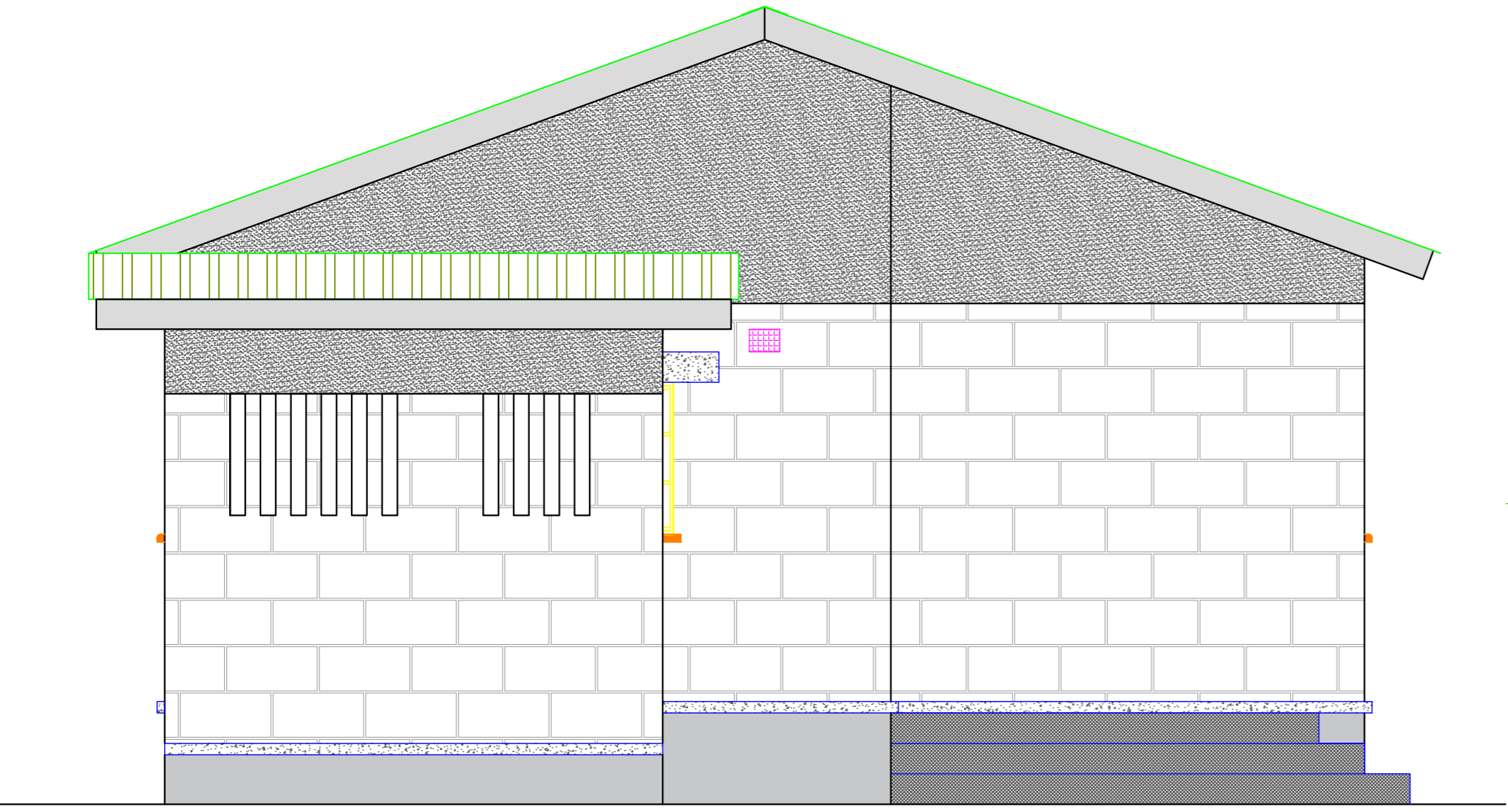
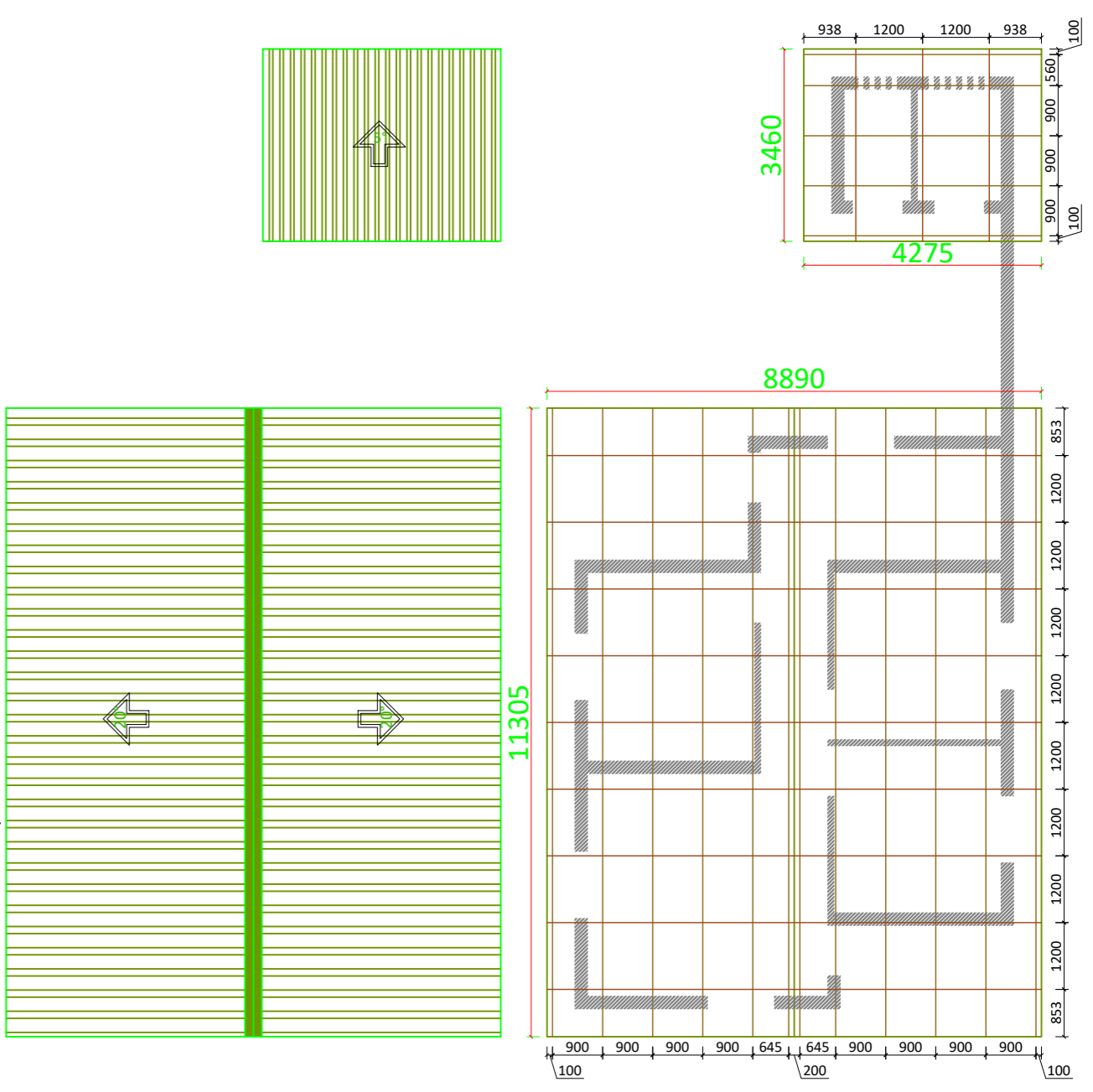




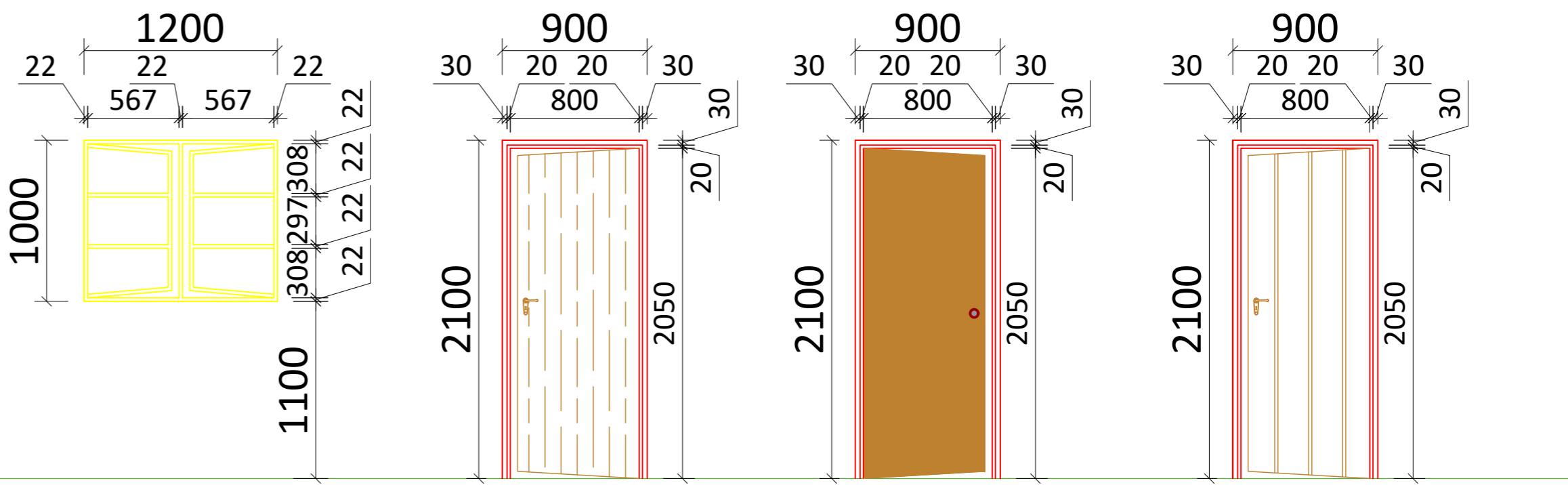
CROSS SECTION X-X



SOUTHERN ELEVATION

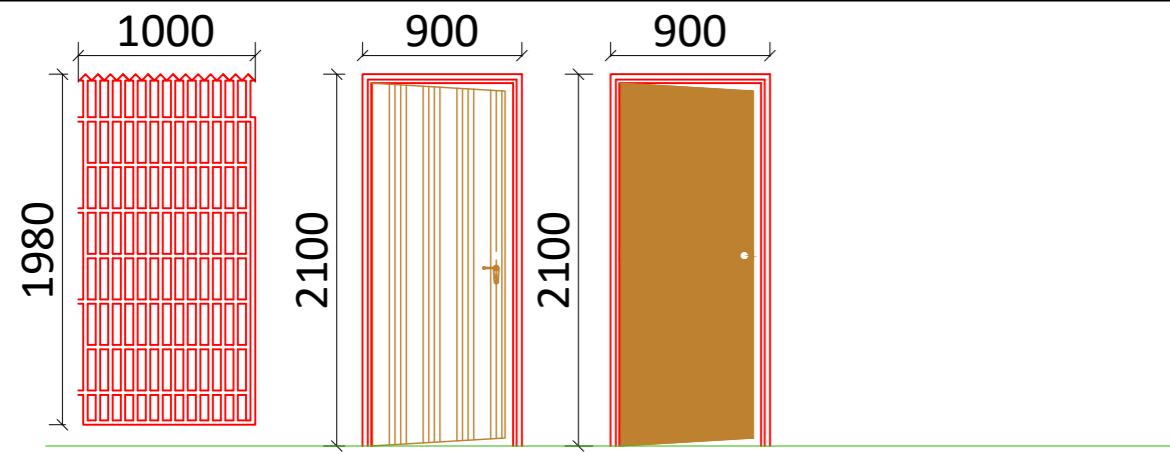


NORTHERN ELEVATION



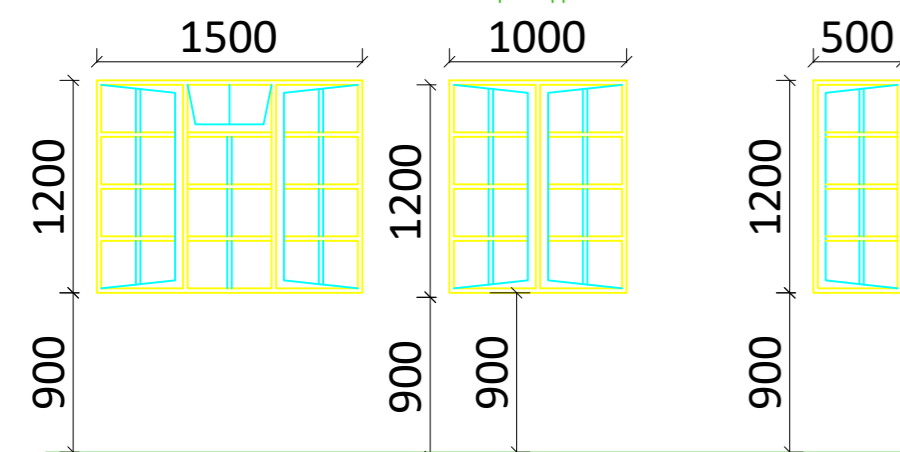
| Window 1 | Door 1 | Door 2 | Door 3 |
|---|---|---|---|
| No. REQUIRED: 6 | No. REQUIRED: 2 | No. REQUIRED: 3 | No. REQUIRED: 2 |
| LOCATION: BEDROOMS | LOCATION: LOUNGE & CORRIDOR | LOCATION: BEDROOM 1, 2, & 3 | LOCATION: LATRINE & SHOWER |
| FRAMES: Purpose made steel 6glass window with Dimensions as shown | FRAMES: Purpose made pressed steel frames 1mm thick | FRAMES: Purpose made pressed steel frames | FRAMES: Purpose made pressed steel frames 1mm thick |
| GLASS: 4mm clear glass set with silicone and finished with putty | DOORS: Purpose made treated H/W door FLB | DOORS: Core flash door | DOORS: Purpose made treated H/W door |
| IRONMONGERY: Standard brass stoppers handles and stays | FINISH: Varnished 2coates with clear glass vanish | FINISH: Painted pink primer and finished with mist grey | FINISH: Varnished 2coates with clear glass vanish |
| FINISH: Industrial prefabricated finish (red oxide), then painted gloss white | IRONMONGERY: SABS 3-lever mortice lock | IRONMONGERY: SABS 3-lever mortice lock | IRONMONGERY: SABS 3-lever mortice lock |
| | IRONMONGERY HINGES: As per supplied by supplier | IRONMONGERY HINGES: As per supplied by supplier | IRONMONGERY HINGES: As per supplied by supplier |

| | | | | | |
|---|--|--|--|--|---|
| <p>This drawing and the information herein are the property of Habitat for Humanity Malawi and The Ministry of Lands. Hence, may not be used for other than the purpose for which it is created without explicit written permission from the two.</p> | <p>PROJECT LOCATION</p> <p>MALAWI URBAN and RURAL</p> | <p><i>Drafted & Designed by</i> HFHM on June/2023 <i>Checked by</i> Gr. Arch. William Kachikopa <i>Approved by</i></p> | <p>Prototype 6 - 3Rooms + Lounge, Kitchen X- SECTION, SCHEDULES, ELV & ROOF</p> | <p>DRAWING NUMBER SC: 1:100 HFHM/MWD/2023/06-02</p> | <p>Habitat for Humanity Malawi</p> |
| | | | | | |



G1 **D1** **D2**

| | | |
|--|--|--|
| No. REQUIRED: 1 | No. REQUIRED: 6 | No. REQUIRED: 2 |
| LOCATION: Courtyard | LOCATION: Lounge, Shwr, Corridor, WC, Kitchen, & Latrine | LOCATION: Bedrooms 1 & 2 |
| FRAMES: Purpose made 30x50x3mm square -tube steel frame | FRAMES: Purpose made steel frames | FRAMES: Purpose made steel frames |
| DOORS: Purpose made 30x30x3mm square -tube grill door | DOORS: Purpose made H/W doors | DOORS: Semi-core flash doors |
| FINISH: painted 2coats with steel primer and paint of choice | FINISH: Varnished 2coats with clear glass vanish | FINISH: MDF finish door |
| IRONMONGERY: Security grill door lock as available on market | IRONMONGERY: ISEO swing dead lock with roller catch, type HA5027 & Kafil lever handle (HA605Z) | IRONMONGERY: Union SABS 3Lever mortice locks |
| HINGES: As per supplied | HINGES: As per supplied | HINGES: As per supplied |

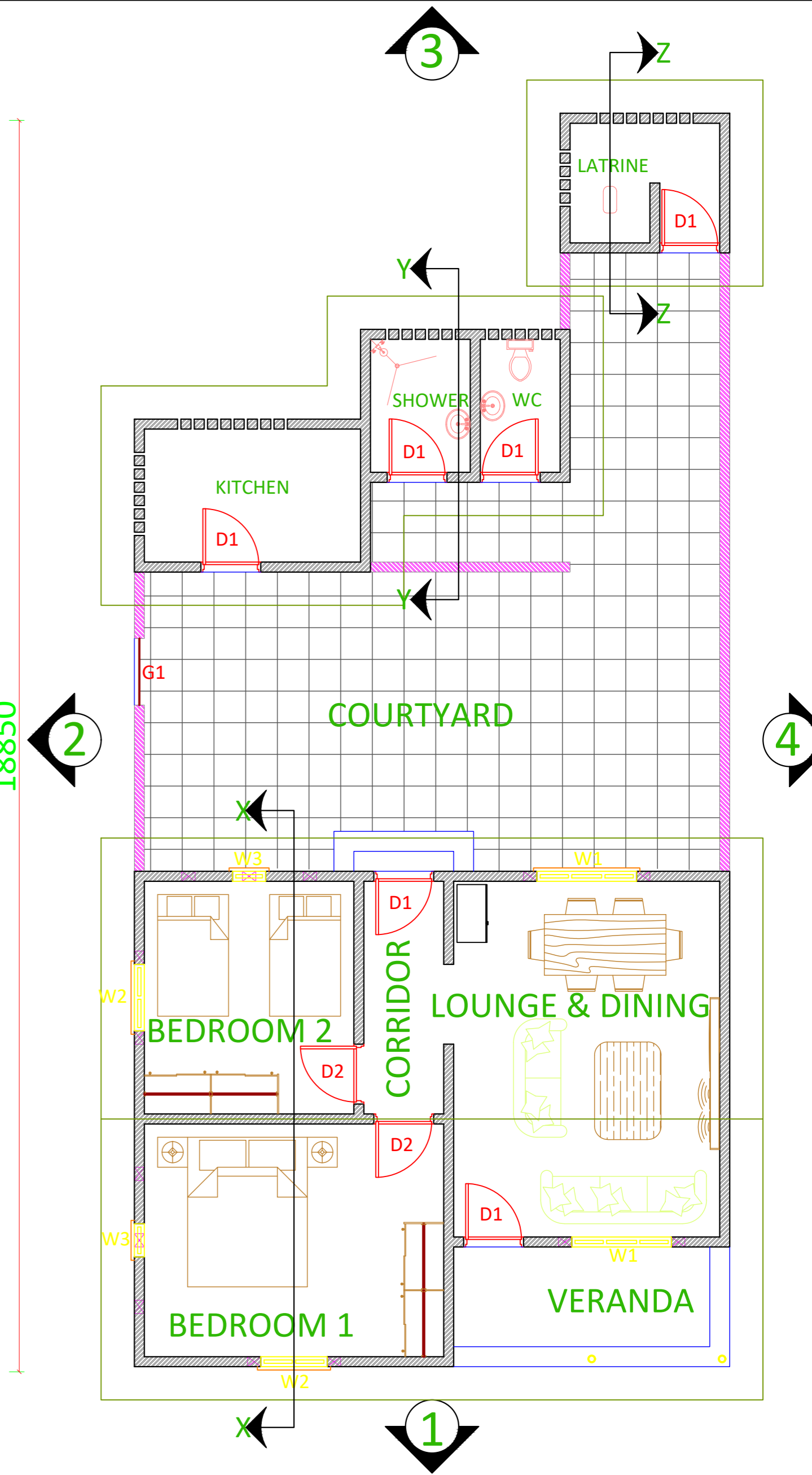
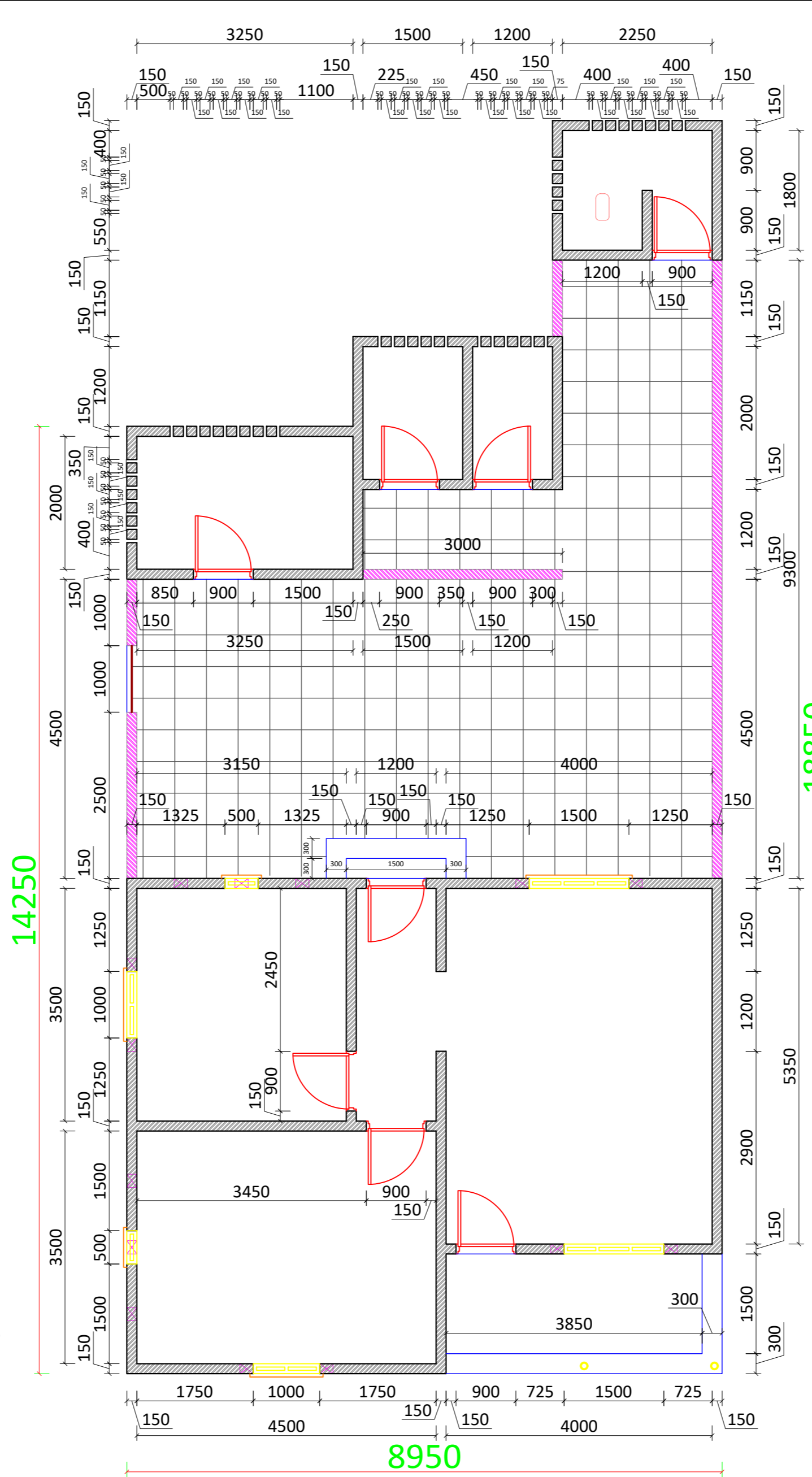


W1 **W2** **W3**

| | | |
|--|--|--|
| No. REQUIRED: 2 | No. REQUIRED: 2 | No. REQUIRED: 2 |
| LOCATION: Lounge & Dining | LOCATION: Bedroom 1 & 2 | LOCATION: Bedrooms 1 & 2 |
| FRAMES: Purpose made steel frames dim as shown | FRAMES: Purpose made steel frames dim as shown | FRAMES: Purpose made steel frames dim as shown |
| GLASS: 5mm clear | GLASS: 5mm clear | GLASS: 5mm clear |
| IRONMONGERY: Standard brass handles and stays | IRONMONGERY: Standard brass handles and stays | IRONMONGERY: Standard brass handles and stays |
| FINISH: Frames painted 3coats gloss enamel in approved color | FINISH: Frames painted 3coats gloss enamel in approved color | FINISH: Frames painted 3coats gloss enamel in approved color |
| CILLS: Internal Conc. window cill. | CILLS: Internal Conc. window cill. | CILLS: Internal Conc. window cill. |

URBAN HOUSE PLAN DESIGN FOR PEOPLE LIVING WITH ALBINISM

- House is of 143.32m² Area
- 2 bedrooms
- Open floor plan - Lounge, Dining
- Courtyard with Kitchen, shower, WC, and Latrine
- IBR design gable roof of pitch set at 15°
- Minimum housing surrounding area to be of 30x15meters plot = 450m²



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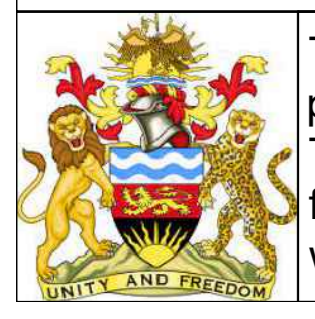
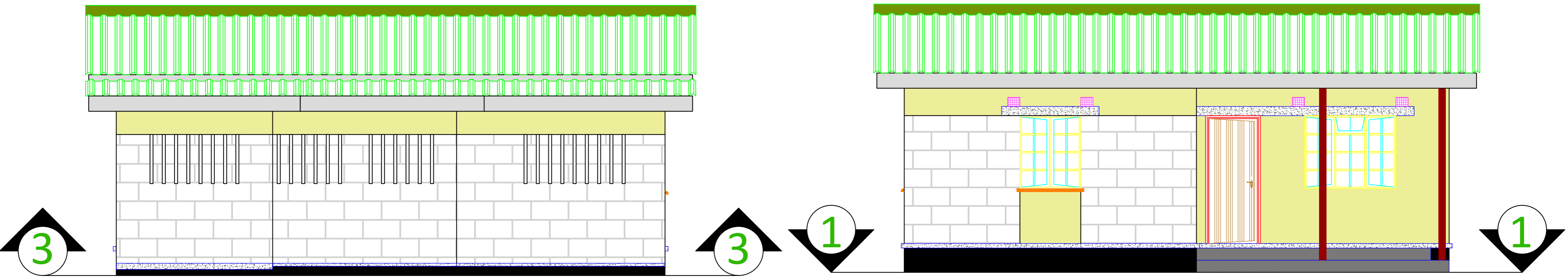
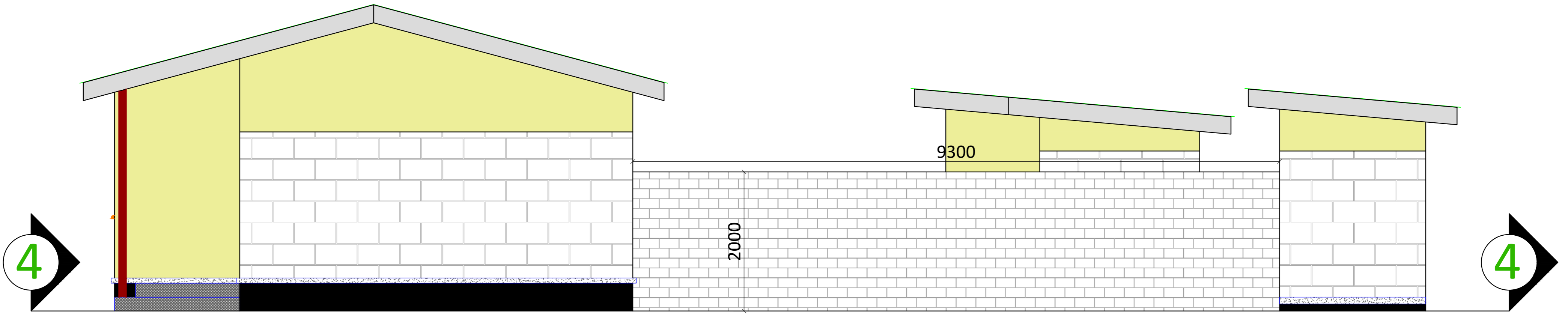
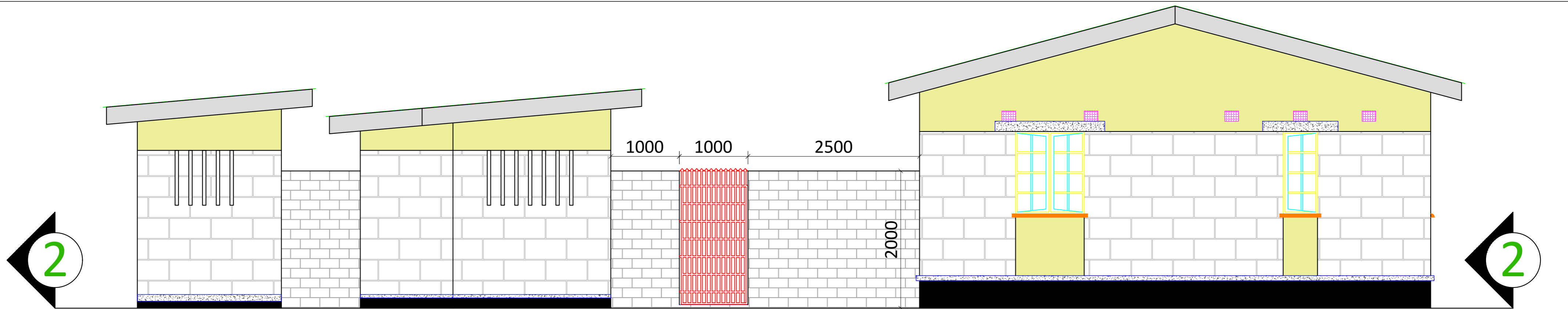


PROJECT LOCATION
MALAWI
URBAN and RURAL

Drafted & Designed by
HFHM on **June/2023**
Checked by
Gr. Arch. William Kachikopa
Approved by

Prototype 7 - 2Rooms + Lounge, Kitchen
DOOR & WIN. SCHEDULES, DIM & PLAN
DRAWING NUMBER SC: 1:100
HFHM/MWD/2023/07-01





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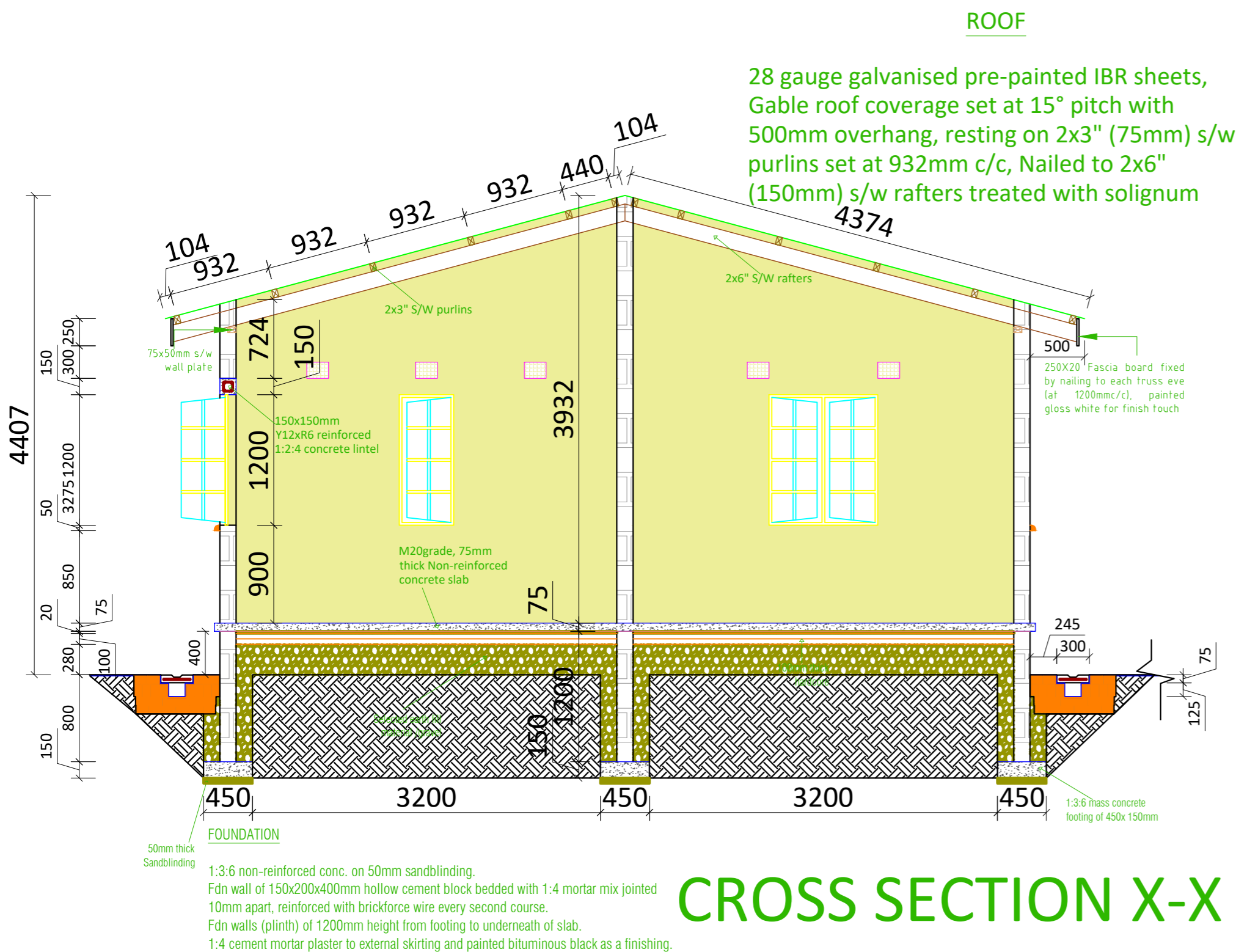


PROJECT LOCATION
MALAWI
URBAN and RURAL

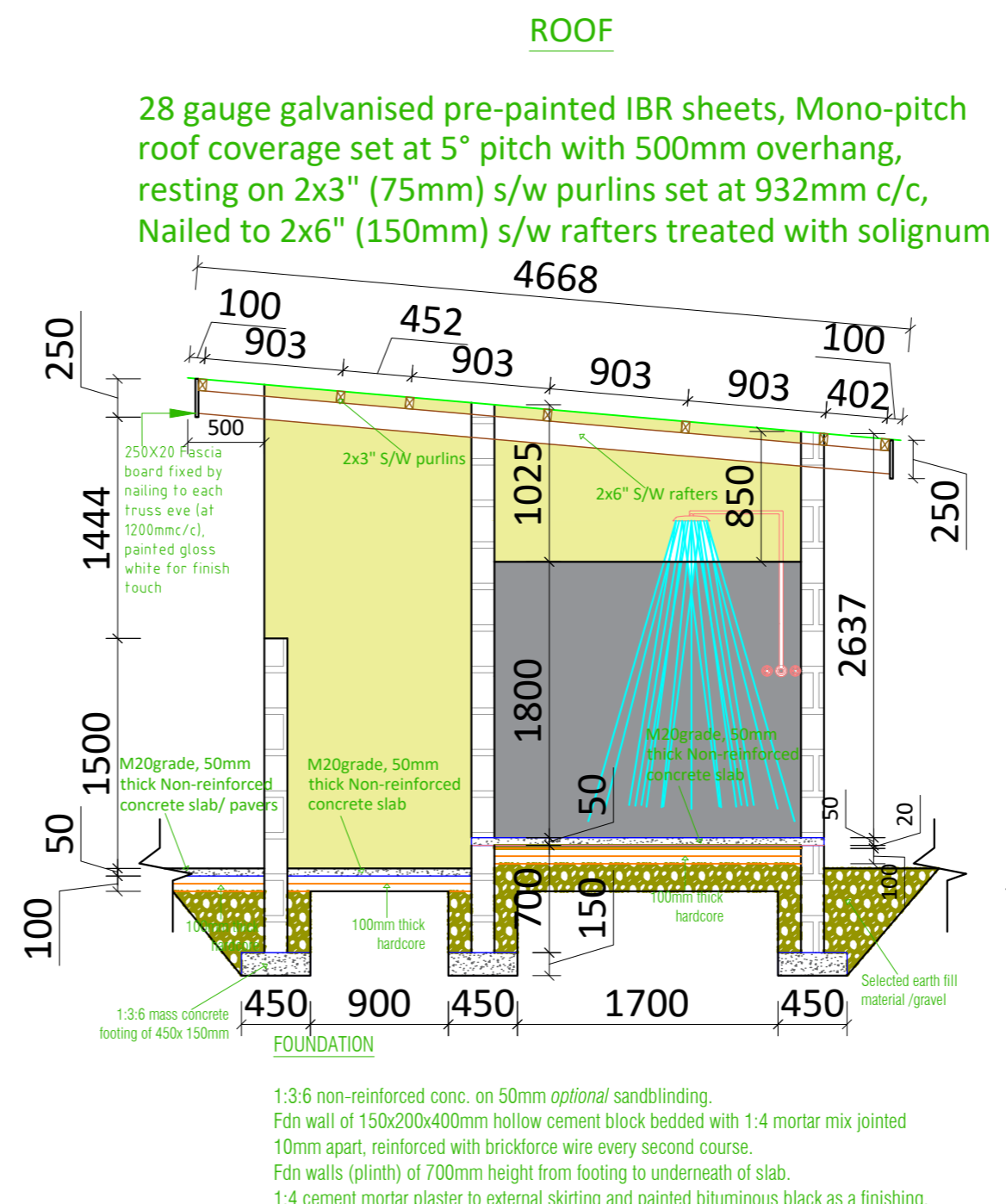
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Approved by

Prototype 7 - 2Rooms + Lounge, Kitchen
ELEVATIONS
DRAWING NUMBER SC: 1:100
HFHM/MWD/2023/07-02

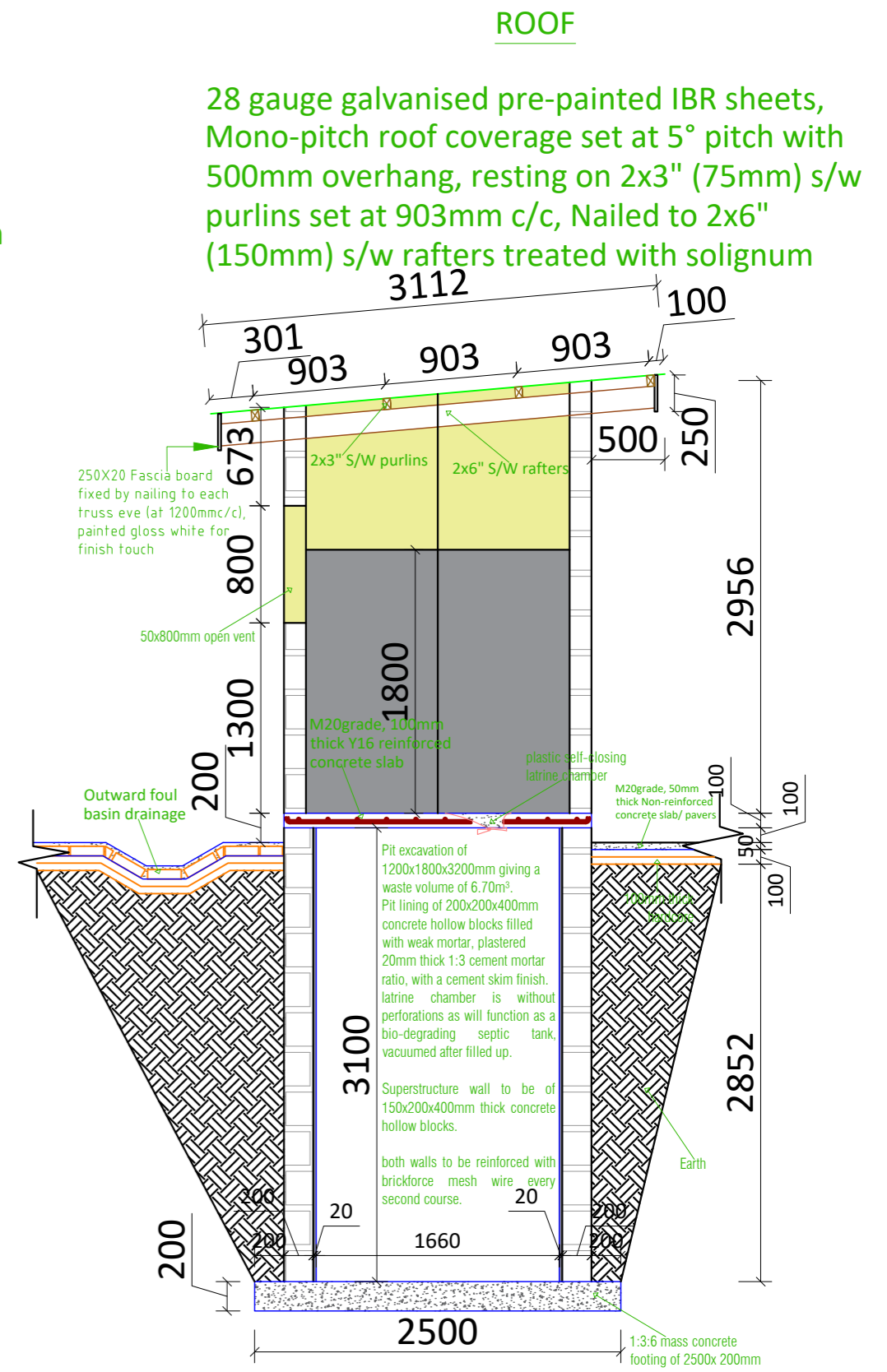




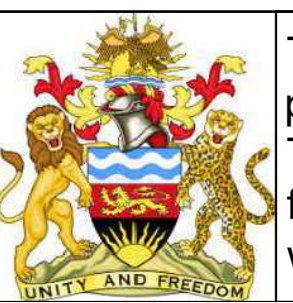
CROSS SECTION X-X



CROSS SECTION Y-Y



CROSS SECTION Z-Z



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PROJECT LOCATION
 MALAWI
 URBAN and RURAL

Drafted & Designed by
 HFHM on June/2023

Checked by
 Gr. Arch. William Kachikopa

Approved by

Prototype 7 - 2Rooms + Lounge, Kitchen

SECTIONAL VIEWS X-X, Y-Y-, & Z-Z.

DRAWING NUMBER SC: 1:100
 HFHM/MWD/2023/07-03



SPECIAL TECHNICAL ACKNOWLEDGEMENTS

- Gr. Architect William A.H. Kachikopa - HFHM
- Francis Sande - HFHM
- Gr. Architect Samuel Chidothe - MHC
- Architect Victor J. Chirwa - MIA
- Architect Pahlane Sambo - MIA
- Shadreck B. Chirwa - CHO
- Engineer James Sidira - MEI



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PROJECT LOCATION
MALAWI
URBAN and RURAL

