



Date: 18th October 2024

TENDER ADVERTISEMENT

Habitat for Humanity Kenya invites bids from interested, eligible, reputable, and competent suppliers and contractors:

| TENDER REF NO | ITEM DESCRIPTION | LOCATION |
|-------------------------|--|--|
| HFHK/WILO-FEG/4104/2024 | CONTRACT FOR CONSTRUCTION OF 20 HOUSES IN TANA RIVER:(10 Houses using Coral stone and 10 Houses using concert block) As per specifications provided on the BOQ | In the following cluster: 1) Miwani Custer 2) Baomo Cluster 3) Konani Cluster |

Interested bidders must enclose the following documents:

- Valid KRA Pin/VAT/Tax Compliance certificate
- CR12
- Valid Business Permit
- Attachment of 3 similar works i.e. LPO's/Contracts
- At least 2-3 years of operation
- The price quoted should be in KES and inclusive of tax where applicable.
- Recent Bank Statements for 6 months or Latest Audited Financial Records
- Company profile
- Provide NCA 5 certificate and above

Detailed request for quotation may be obtained (**Free of charge**) from the Habitat for Humanity Kenya website: <https://hfhkenya.org/careers> or requested through procurement@hfhkenya.org

Duly completed and sealed tender documents in plain envelope with the **TENDER REF NO.** and **TENDER DESCRIPTION** title clearly indicated on the envelope should be deposited in the tender box placed at the Habitat for Humanity Kenya on or before Close of Business on 24th October 2024 addressed to;

The Chairperson, Procurement Committee,

Habitat for Humanity Kenya
Kasuku Lane-off Lenana Road,
P.O Box 38948 – 00623, Nairobi Kenya.

Habitat for Humanity Kenya reserve the right to accept or reject any tender in part or wholly and does not bind itself to accept the lowest bidder. Only successful bidders will receive communication from HFHK office. Any form of canvassing either directly or indirectly shall lead to disqualification of the tender.

PROPOSED HFHK ONE ROOM UNIT INCREMENTAL HOUSING, TANA RIVER

FOR

HABITAT FOR HUMANITY KENYA
P.O.BOX 38948 - 00623
Nairobi - Kenya.

Bill of Quantities

SEPTEMBER 2024

FORM OF TENDER

PROPOSED HFHK ONE ROOM UNIT INCREMENTAL HOUSING, TANA RIVER

Having visited the site and examined the Tender Documents for the execution of the above works, we the undersigned are willing to Contract and perform fully, the whole of the said works in accordance with the said Bills of Quantities, Specifications and Conditions of Contract and to enter into a Contract and complete the whole of the works within the time stated in this Form of Tender.

Our Tender figure including all Preliminaries , P. C. Sums, Provisional Sums and Contingencies, VAT and based on a fixed price contract amounts to :-

Kenya Shillings (Words)
.....
.....
.....

We the undersigned agree to be bound and submit to the said Articles of Agreement, Conditions of Contract and the Priced Bills of Quantities which shall form the basis for the valuation of interim certificates and any extra or omitted work which may from time to time be ordered by the project manager

Kshs. (figure)

Signature of Tenderer.....

Name of Tenderer.....

Address of Tenderer.....

Date.....

TIME FOR COMPLETION

Further we the undersigned, agree to complete the whole of the works within the time stated below from the date of possession of the site as defined within the Conditions of Contract.

Words{weeks)

Figures.....(weeks)

OTHER COVENANTS

And further, we the undersigned agree that:-

We have visited the site and familiarised ourselves with the current status of the works

HFHK shall neither be bound to accept the lowest tender or any Tender nor to reimburse any expenses incurred by the tenderer in the preparation of this Tender.

TENDER VALIDITY PERIOD

Further we, the undersigned, agree that unless and until a formal agreement is executed, this Tender together with your acceptance thereof, shall constitute a binding Contract between us, and this Tender shall remain a valid offer for Sixty (60) days.

EXAMINATION OF TENDER DOCUMENTS

Further we, the undersigned, have examined all the drawings detailed previously which will form part of this Contract, together with the instructions to Tenderers, and we have no further questions relating to them and we have personally signed each document as identification.

Further we, the undersigned understand that the lowest, or any portion of any tender will not necessarily be accepted nor will any expense incurred by the Tenderer in the preparation of this Tender be allowed. Further, HFHK reserves the right to award whole or portion of the tenders and to supply only materials or equipment as may deem fit.

Signature of Tenderer.....

Name of Tenderer.....

Address of Tenderer.....

| | |
|--|--|
| SITE HANDED OVER TO CONTRACTOR ON..... | |
| CONTRACT PERIOD IS WEEKS | |
| COMPLETION DATE OF WORKS DATE..... | |

The contractor is reminded that cost, quality and time is of greatest essence.

ONE ROOM UNIT

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|---|-----|------|------|------|
| | <u>ELEMENT NO. 1</u> | | | | |
| | <u>SUBSTRUCTURE (ALL PROVISIONAL) :-</u> | | | | |
| A. | Clear site off bushes, scrubs undergrowth and the like including grubbing up their roots and burn the arising on site as directed. | 18 | SM | | |
| C. | Excavate trenches in normal soil for column bases to depth not exceeding 1.5 meters deep. | 4 | CM | | |
| D | Load, cart away and spread extra excavation material on sited as directed by the Architect. | 1 | CM | | |
| E | Return, fill and ram selected excavated materials to sides of foundation wall. | 3 | CM | | |
| | <u>Filling</u> | | | | |
| G | 300 mm thick approved hardcore filling well | 18 | SM | | |
| H | 50 mm thick murrum or other equal and approved | 18 | SM | | |
| J | "Gladiator" or other equal and approved anti- termite insecticide to hardcore surface applied in accordance with Manufacturer's written instructions. | 18 | SM | | |
| | Total carried to collection | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------------------------------------|---|-----|------|------|------|
| | <u>Plain concrete (1:4:8) as described in :-</u> | | | | |
| A. | 50 mm thick under column bases | 3 | SM | | |
| | <u>Reinforced concrete 1:2:4 as described in :-</u> | | | | |
| B | Column bases | 1 | CM | | |
| C | Foundation columns | 0 | CM | | |
| D | Ground Beam | 1 | CM | | |
| D | 150 mm floor slab | 18 | SM | | |
| | <u>Sawn formwork as described to :-</u> | | | | |
| | Edges of column bases | 3 | SM | | |
| | Sides of Foundation columns | 4 | SM | | |
| E | Edges and soffits of Ground beam | 14 | SM | | |
| F | Edges of slab 75 mm - 150 mm girth | 17 | LM | | |
| | <u>High Tensile Reinforcement Bars to B. S. 4461 including cutting, bending and all necessary spacer blocks : (Provisional) [100 Kg/Cm] :-</u> | | | | |
| G | 10 mm diameter | 73 | KG | | |
| H | 8 mm diameter | 38 | KG | | |
| I | B. R. C. A 142 mesh reinforcement to Engineer's | 18 | SM | | |
| J | 1000 gauge polythene damp proof membrane | 18 | SM | | |
| Total carried to collection | | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|--|------|------|------|------|
| | <p>Plunking and strutting</p> <p>A Allow for plunking and strutting to sides of all excavation free from all fallen materials</p> <p>Plinth finishes</p> <p>B 12 mm thick render plaster to plinth</p> <p>C Prepare and apply two coats black bituminous paint</p> | ITEM | | | |
| | Total carried to collection | | | | |
| | <p>COLLECTION</p> <p>Carried forward from page 5</p> <p>Carried forward from page 6</p> <p>Carried from above</p> | | | | |
| | Total carried to Summary | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|---|-----|------|------|------|
| | <u>ELEMENT NO. 2</u> | | | | |
| | <u>R. C. SUPERSTRUCTURE :-</u> | | | | |
| | <u>Reinforced concrete (1:2:4) as described to :-</u> | | | | |
| A | Beams | 1 | CM | | |
| | <u>High Tensile Reinforcement Bars to B. S. 4461</u> | | | | |
| C | 10 mm ditto | 43 | KG | | |
| D | 8 mm ditto | 31 | KG | | |
| | <u>Sawn formwork as described to :-</u> | | | | |
| E | Sides and soffits of beams | 14 | SM | | |
| | Total carried to Summary | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|---------------------------------|---|-----|------|------|------|
| | <u>ELEMENT NO. 3</u> | | | | |
| | <u>WALLING</u> | | | | |
| | Pre cast Solid Concrete Blocks or otherequal and approved walling in Cement : sand (1:4) mortar :- | | | | |
| A. | 190 mm thick externally. | 40 | SM | | |
| B. | Extra over ditto for 10 mm neat horizontal key and flush vertical joints in (1:4) mortar. | 35 | SM | | |
| C | Approved 200 mm wide damp proof course laid to breaking joints with 150 mm laps in cement : sand (1:3) mortar. | 20 | LM | | |
| Total carried to Summary | | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------------------------------------|---|-----|------|------|------|
| | <p>ELEMENT NO.</p> <p>ROOF STRUCTURE</p> <p><u>ROOF</u></p> <p><u>(PROVISIONAL)</u></p> <p>All cypress timber to be well seasoned 2ND grade timber pressure impregnated with Tanalith 'C'</p> <p><u>The following in 3 No. Trusses spanning 5,600 mm with a height 800 mm raised 2200 mm from the ground level :-</u></p> | | | | |
| A. | 150 x 50 mm rafters | 11 | LM | | |
| B. | 100 x 50 mm king/end posts, struts/ ties | 15 | LM | | |
| C. | 150 x 50 mm top and ceiling joists | 5 | LM | | |
| | Seasoned Celcured 2nd Grade Cypress :- | | | | |
| D | 150 x 50 mm common rafters | 20 | LM | | |
| E | 100 x 50 mm purlins | 34 | LM | | |
| F | 100 x 50 mm wall plate | 18 | LM | | |
| Total carried to collection | | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|-----------------------------|--|-----|------|------|------|
| A. | <p><u>Roof Covering :-</u></p> <p><u>Supply and fix prepainted gauge 28 IT5 roof cover or other equal and approved roof covering; measured net without allowing for headlaps or side laps laid on and including 50</u></p> <p><u>—</u></p> <p><u>x 38 mm pressure impregnated cypress battenas described in :-</u></p> <p>Roof coverings</p> | 20 | SM | | |
| B. | 250 mm diameter half round ridge, valley and hip cap. | 6 | LM | | |
| Total carried to collection | | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|--|-----|------|------|------|
| | <u>COLLECTION</u> Brought forward from page 9 Brought forward from page 10 | | | | |
| | Total carried to Summary | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|--|-----|------|------|------|
| | <u>ELEMENT NO. 4</u> | | | | |
| | <u>WINDOWS</u> | | | | |
| | <u>Supply and fix the following standard steel casement windows divided into small equal panes complete with 12 mm square burglar proofing bars neatly welded behind the the openable panes and in the same patern as the panes including heavy duty closers and stay, fixing lugs and one coat red oxide primer all as per Architect's details :-</u> | | | | |
| A. | Window size 1100 x 100 mm high | 2 | NO | | |
| | <u>Glazing :-</u> | | | | |
| | <u>4 mm thick clear sheet glass fixed to metal frames with putty :-</u> | | | | |
| C | Panes 0.1 - 0.5 square metres | 2 | SM | | |
| | <u>Prepare and apply three coats oil paint to :-</u> | | | | |
| D | Metal surfaces | 2 | SM | | |
| | <u>Total carried to Summary</u> | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|---|-----|------|------|------|
| A. | <u>ELEMENT NO. 5</u> <u>DOORS (All to Architects details)</u> <u>Timber Flush Door</u> 900 x 2100mm high to come complete with door frames, iron mongery and locks; including painting with one undercoat and two final glosss coats; all to be completed to the satisfaction of the project manager | 1 | NO | | |
| | <u>Total carried to Summary</u> | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|--|-----|------|------|------|
| | <u>ELEMENT NO. 6</u> | | | | |
| | <u>FINISHES</u> | | | | |
| | <u>Floors</u> | | | | |
| | <u>Cement : sand (1:4) in :-</u> | | | | |
| A. | Supply and fix steel trowelled cement sand screed laid carefully and mixed with red oxide | 18 | SM | | |
| | <u>Walls</u> | | | | |
| B | 12 mm thick cement and sand (1:4) plaster to columns, walls ,beams and jambs internally. | 40 | SM | | |
| | <u>Painting</u> | | | | |
| C | Prepare and apply three coats silk emulsion paint to internal wall and beam surfaces. | 40 | SM | | |
| | Total carried to Summary | | | | |
| | | | | | |

PIT LATRINE CONSTRUCTION

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|--|------|------|------|------|
| | <u>EXTERNAL WORKS</u> | | | | |
| | <u>PIT LATRINE</u> | | | | |
| | <u>Pit Excavations</u> | | | | |
| A | Excavate for the VIP pit up to a depth of 5 meters and spread on site materials arising therefrom | m3 | 9 | | |
| B | Excavate for strip foundation to a depth n.e 1.5 m deep, including carting away surplus and backfilling ; all to the satisfaction of the project manager | m3 | 1.72 | | |
| C | Allow for keeping the foundations free from water | Item | | | |
| | <u>In-situ concrete work</u> | | | | |
| C | <u>VRC mix 1:2:4/20-20mm aggregate as described in; 150mm thick slab; including finishing with appropriate earth enable finishing.</u> | m2 | 5.38 | | |
| | <u>Reinforcement bars as described elsewhere in these bills of quantities</u> | | | | |
| D | 10mm diameter | Kgs | 60 | | |
| | <u>Walling works</u> | | | | |
| | <u>Supply, deliver and install Approved insulating concrete foam walling;including insitu concrete class 20; laid to finish</u> | | | | |
| E | 150-200mm thick external and internal walling | m2 | 15 | | |
| | <u>Roofing works</u> | | | | |
| F | Gauge 30 corrugated roofing sheets of selected colour fixed to purlins as directed | m2 | 4 | | |
| | Total carried to collection | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|--|------|------|-------|------|
| A | Timber batten doors Procure, deliver and install timber battens doors with and including approved softwood door frame | No. | 2 | 6000 | |
| | FINISHES External wall finishes Earth enabled Render finish | | | | |
| B | Apply approved Earth-enabled finish render to finish all to the satisfaction of the project manager. | m2 | 3 | 400 | |
| | Painting and decoartions | | | | |
| C | Prepare and apply three coats of approved gloss paint to the fascia board | m2 | 5 | 300 | |
| D | Allow for installation of ventillation blocks as directed | Item | | | |
| | UPVC Breather pipe | | | | |
| E | 100mm diameter uPVC pipe installed to project manager's satisfaction; complete with a vent cowl | m | 3 | 780 | |
| F | Allow a provisional sum of Kshs 30,000/-for construction of other incidental work. This sum will be expended as directed | Sum | | 30000 | |
| | Total carried to collection | | | | |
| | <u>COLLECTION</u> | | | | |
| | Carried forward from page 16 | | | | |
| | Carried from above | | | | |
| | Total Carried to Summary | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|---|-----|------|------|------|
| 1 | <u>SUMMARY</u> Substructure | | | | |
| 2 | Reinforced Concrete Superstructure | | | | |
| 3 | Roof | | | | |
| 4 | Walling | | | | |
| 5 | Windows | | | | |
| 6 | Doors | | | | |
| 7 | Finishes | | | | |
| 8 | Pit Latrine Block | | | | |
| | SUMMARY OF BUILDER'S WORKS CARRIED TO GRAND SUMMARY PAGE | | | | |
| | | | | | |

PROPOSED HFHK ONE ROOM UNIT INCREMENTAL HOUSING, TANA RIVER

| GRAND SUMMARY | | | |
|---|--|--|--------------------------|
| ITEM | DESCRIPTION | | TENDERER'S AMOUNT |
| 1 | PRELIMINARIES <i>Preliminaries</i> | | |
| 2 | Builders Work <i>One Room Unit</i> | | |
| | Sub Total (16% VAT inclusive) | | |
| 3 | Contingency Sum | | 40,000 |
| GRAND TOTAL FOR ONE UNIT | | | |
| TOTAL FOR 10 UNITS CARRIED TO FORM OF TENDER | | | |

Amount of tender in words: Kenya Shilings.....

Tenderer's signature and stamp.....

Address.....

Date.....

Witness: Name and signature.....

Description.....

Address.....

Date.....

PROPOSED HFHK ONE ROOM UNIT INCREMENTAL HOUSING, TANA RIVER

FOR

HABITAT FOR HUMANITY KENYA
P.O.BOX 38948 - 00623
Nairobi - Kenya.

Bill of Quantities

SEPTEMBER 2024

FORM OF TENDER

PROPOSED HFHK ONE ROOM UNIT INCREMENTAL HOUSING, TANA RIVER

Having visited the site and examined the Tender Documents for the execution of the above works, we the undersigned are willing to Contract and perform fully, the whole of the said works in accordance with the said Bills of Quantities, Specifications and Conditions of Contract and to enter into a Contract and complete the whole of the works within the time stated in this Form of Tender.

Our Tender figure including all Preliminaries , P. C. Sums, Provisional Sums and Contingencies, VAT and based on a fixed price contract amounts to :-

Kenya Shillings (Words)
.....
.....
.....

We the undersigned agree to be bound and submit to the said Articles of Agreement, Conditions of Contract and the Priced Bills of Quantities which shall form the basis for the valuation of interim certificates and any extra or omitted work which may from time to time be ordered by the project manager

Kshs. (figure)

Signature of Tenderer.....

Name of Tenderer.....

Address of Tenderer.....

Date.....

TIME FOR COMPLETION

Further we the undersigned, agree to complete the whole of the works within the time stated below from the date of possession of the site as defined within the Conditions of Contract.

Words{weeks)

Figures.....(weeks)

OTHER COVENANTS

And further, we the undersigned agree that:-

We have visited the site and familiarised ourselves with the current status of the works

HFHK shall neither be bound to accept the lowest tender or any Tender nor to reimburse any expenses incurred by the tenderer in the preparation of this Tender.

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Further we, the undersigned, agree that unless and until a formal agreement is executed, this Tender together with your acceptance thereof, shall constitute a binding Contract between us, and this Tender shall remain a valid offer for Sixty (60) days.

EXAMINATION OF TENDER DOCUMENTS

Further we, the undersigned, have examined all the drawings detailed previously which will form part of this Contract, together with the instructions to Tenderers, and we have no further questions relating to them and we have personally signed each document as identification.

Further we, the undersigned understand that the lowest, or any portion of any tender will not necessarily be accepted nor will any expense incurred by the Tenderer in the preparation of this Tender be allowed. Further, HFHK reserves the right to award whole or portion of the tenders and to supply only materials or equipment as may deem fit.

Signature of Tenderer.....

Name of Tenderer.....

Address of Tenderer.....

| | |
|--|--|
| SITE HANDED OVER TO CONTRACTOR ON..... | |
| CONTRACT PERIOD IS WEEKS | |
| COMPLETION DATE OF WORKS DATE..... | |

The contractor is reminded that cost, quality and time is of greatest essence.

ONE ROOM UNIT

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|---|-----|------|------|------|
| | <u>ELEMENT NO. 1</u> | | | | |
| | <u>SUBSTRUCTURE (ALL PROVISIONAL) :-</u> | | | | |
| A. | Clear site off bushes, scrubs undergrowth and the like including grubbing up their roots and burn the arising on site as directed. | 18 | SM | | |
| C. | Excavate trenches in normal soil for column bases to depth not exceeding 1.5 meters deep. | 4 | CM | | |
| D | Load, cart away and spread extra excavation material on sited as directed by the Architect. | 1 | CM | | |
| E | Return, fill and ram selected excavated materials to sides of foundation wall. | 3 | CM | | |
| | <u>Filling</u> | | | | |
| G | 300 mm thick approved hardcore filling well | 18 | SM | | |
| H | 50 mm thick murrum or other equal and approved | 18 | SM | | |
| J | "Gladiator" or other equal and approved anti- termite insecticide to hardcore surface applied in accordance with Manufacturer's written instructions. | 18 | SM | | |
| | Total carried to collection | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------------------------------------|---|-----|------|------|------|
| | <u>Plain concrete (1:4:8) as described in :-</u> | | | | |
| A. | 50 mm thick under column bases | 3 | SM | | |
| | <u>Reinforced concrete 1:2:4 as described in :-</u> | | | | |
| B | Column bases | 1 | CM | | |
| C | Foundation columns | 0 | CM | | |
| D | Ground Beam | 1 | CM | | |
| D | 150 mm floor slab | 18 | SM | | |
| | <u>Sawn formwork as described to :-</u> | | | | |
| | Edges of column bases | 3 | SM | | |
| | Sides of Foundation columns | 4 | SM | | |
| E | Edges and soffits of Ground beam | 14 | SM | | |
| F | Edges of slab 75 mm - 150 mm girth | 17 | LM | | |
| | <u>High Tensile Reinforcement Bars to B. S. 4461 including cutting, bending and all necessary spacer blocks : (Provisional) [100 Kg/Cm] :-</u> | | | | |
| G | 10 mm diameter | 73 | KG | | |
| H | 8 mm diameter | 38 | KG | | |
| I | B. R. C. A 142 mesh reinforcement to Engineer's | 18 | SM | | |
| J | 1000 gauge polythene damp proof membrane | 18 | SM | | |
| Total carried to collection | | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------------------------------------|--|------|------|------|------|
| | Plunking and strutting | | | | |
| A | Allow for plunking and strutting to sides of all excavation free from all fallen materials | ITEM | | | |
| | Plinth finishes | | | | |
| B | 12 mm thick render plaster to plinth | 5 | SM | | |
| C | Prepare and apply two coats black bituminous paint | 5 | SM | | |
| Total carried to collection | | | | | |
| COLLECTION | | | | | |
| Carried forward from page 4 | | | | | |
| Carried forward from page 5 | | | | | |
| Carried from above | | | | | |
| Total carried to Summary | | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|---|-----|------|------|------|
| | <u>ELEMENT NO. 2</u> | | | | |
| | <u>R. C. SUPERSTRUCTURE :-</u> | | | | |
| | <u>Reinforced concrete (1:2:4) as described to :-</u> | | | | |
| A | Beams | 1 | CM | | |
| | <u>High Tensile Reinforcement Bars to B. S. 4461</u> | | | | |
| C | 10 mm ditto | 43 | KG | | |
| D | 8 mm ditto | 31 | KG | | |
| | <u>Sawn formwork as described to :-</u> | | | | |
| E | Sides and soffits of beams | 14 | SM | | |
| | Total carried to Summary | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|---------------------------------|---|-----|------|------|------|
| | <u>ELEMENT NO. 3</u> | | | | |
| | <u>WALLING</u> machine Cut Coral block stone or otherequal and approved walling in Cement : sand (1:4) mortar :- | | | | |
| A. | 200 mm thick externally. | 40 | SM | | |
| B. | Extra over ditto for 10 mm neat horizontal key and flush vertical joints in (1:4) mortar. | 35 | SM | | |
| C | Approved 200 mm wide damp proof course laid to breaking joints with 150 mm laps in cement : sand (1:3) mortar. | 20 | LM | | |
| Total carried to Summary | | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------------------------------------|---|-----|------|------|------|
| | <p>ELEMENT NO.</p> <p>ROOF STRUCTURE</p> <p><u>ROOF</u></p> <p><u>(PROVISIONAL)</u></p> <p>All cypress timber to be well seasoned 2ND grade timber pressure impregnated with Tanalith 'C'</p> <p><u>The following in 3 No. Trusses spanning 5,600 mm with a height 800 mm raised 2200 mm from the ground level :-</u></p> | | | | |
| A. | 150 x 50 mm rafters | 11 | LM | | |
| B. | 100 x 50 mm king/end posts, struts/ ties | 15 | LM | | |
| C. | 150 x 50 mm top and ceiling joists | 5 | LM | | |
| | Seasoned Celcured 2nd Grade Cypress :- | | | | |
| D | 150 x 50 mm common rafters | 20 | LM | | |
| E | 100 x 50 mm purlins | 34 | LM | | |
| F | 100 x 50 mm wall plate | 18 | LM | | |
| Total carried to collection | | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|-----------------------------|--|-----|------|------|------|
| A. | <p><u>Roof Covering :-</u></p> <p><u>Supply and fix prepainted gauge 28 IT5 roof cover or other equal and approved roof covering; measured net without allowing for headlaps or side laps laid on and including 50</u></p> <p><u>—</u></p> <p><u>x 38 mm pressure impregnated cypress battenas described in :-</u></p> <p>Roof coverings</p> | 20 | SM | | |
| B. | 250 mm diameter half round ridge, valley and hip cap. | 6 | LM | | |
| Total carried to collection | | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|--|-----|------|------|------|
| | <u>COLLECTION</u> Brought forward from page 9 Brought forward from page 10 | | | | |
| | Total carried to Summary | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|--|-----|------|------|------|
| | <u>ELEMENT NO. 4</u> | | | | |
| | <u>WINDOWS</u> | | | | |
| | <u>Supply and fix the following standard steel casement windows divided into small equal panes complete with 12 mm square burglar proofing bars neatly welded behind the the openable panes and in the same patern as the panes including heavy duty closers and stay, fixing lugs and one coat red oxide primer all as per Architect's details :-</u> | | | | |
| A. | Window size 1100 x 100 mm high | 2 | NO | | |
| | <u>Glazing :-</u> | | | | |
| | <u>4 mm thick clear sheet glass fixed to metal frames with putty :-</u> | | | | |
| C | Panes 0.1 - 0.5 square metres | 2 | SM | | |
| | <u>Prepare and apply three coats oil paint to :-</u> | | | | |
| D | Metal surfaces | 2 | SM | | |
| | <u>Total carried to Summary</u> | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|---|-----|------|------|------|
| A. | <u>ELEMENT NO. 5</u> <u>DOORS (All to Architects details)</u> <u>Timber Flush Door</u> 900 x 2100mm high to come complete with door frames, iron mongery and locks; including painting with one undercoat and two final glosss coats; all to be completed to the satisfaction of the project manager | 1 | NO | | |
| | <u>Total carried to Summary</u> | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|--|-----|------|------|------|
| | <u>ELEMENT NO. 6</u> | | | | |
| | <u>FINISHES</u> | | | | |
| | <u>Floors</u> | | | | |
| | <u>Cement : sand (1:4) in :-</u> | | | | |
| A. | Supply and fix steel trowelled cement sand screed laid carefully and mixed with red oxide | 18 | SM | | |
| | <u>Walls</u> | | | | |
| B | 12 mm thick cement and sand (1:4) plaster to columns, walls ,beams and jambs internally. | 40 | SM | | |
| | <u>Painting</u> | | | | |
| C | Prepare and apply three coats silk emulsion paint to internal wall and beam surfaces. | 40 | SM | | |
| | Total carried to Summary | | | | |
| | | | | | |

PIT LATRINE CONSTRUCTION

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|--|------|------|------|------|
| | <u>EXTERNAL WORKS</u> | | | | |
| | <u>PIT LATRINE</u> | | | | |
| | <u>Pit Excavations</u> | | | | |
| A | Excavate for the VIP pit up to a depth of 5 meters and spread on site materials arising therefrom | m3 | 9 | | |
| B | Excavate for strip foundation to a depth n.e 1.5 m deep, including carting away surplus and backfilling ; all to the satisfaction of the project manager | m3 | 1.72 | | |
| C | Allow for keeping the foundations free from water | Item | | | |
| | <u>In-situ concrete work</u> | | | | |
| C | <u>VRC mix 1:2:4/20-20mm aggregate as described in; 150mm thick slab; including finishing with appropriate earth enable finishing.</u> | m2 | 5.38 | | |
| | <u>Reinforcement bars as described elsewhere in these bills of quantities</u> | | | | |
| D | 10mm diameter | Kgs | 60 | | |
| | <u>Walling works</u> | | | | |
| | <u>Supply, deliver and install Approved insulating concrete foam walling;including insitu concrete class 20; laid to finish</u> | | | | |
| E | 150-200mm thick external and internal walling | m2 | 15 | | |
| | <u>Roofing works</u> | | | | |
| F | Gauge 30 corrugated roofing sheets of selected colour fixed to purlins as directed | m2 | 4 | | |
| | Total carried to collection | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|--|------|------|------|------|
| A | Timber batten doors Procure, deliver and install timber battens doors with and including approved softwood door frame | No. | 2 | | |
| | FINISHES External wall finishes Earth enabled Render finish | | | | |
| B | Apply approved Earth-enabled finish render to finish all to the satisfaction of the project manager. | m2 | 3 | | |
| | Painting and decoartions | | | | |
| C | Prepare and apply three coats of approved gloss paint to the fascia board | m2 | 5 | | |
| D | Allow for installation of ventillation blocks as directed | Item | | | |
| | UPVC Breather pipe | | | | |
| E | 100mm diameter uPVC pipe installed to project manager's satisfaction; complete with a vent cowl | m | 3 | | |
| F | Allow a provisional sum of Kshs 30,000/-for construction of other incidental work. This sum will be expended as directed | Sum | | | |
| | Total carried to collection | | | | |
| | <u>COLLECTION</u> | | | | |
| | Carried forward from page 16 | | | | |
| | Carried from above | | | | |
| | Total Carried to Summary | | | | |
| | | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS. |
|------|---|-----|------|------|------|
| | <u>SUMMARY</u> | | | | |
| 1 | Substructure | | | | |
| 2 | Reinforced Concrete Superstructure | | | | |
| 3 | Roof | | | | |
| 4 | Walling | | | | |
| 5 | Windows | | | | |
| 6 | Doors | | | | |
| 7 | Finishes | | | | |
| 8 | Pit Latrine | | | | |
| | SUMMARY OF BUILDER'S WORKS CARRIED TO GRAND SUMMARY PAGE | | | | |
| | | | | | |

PROPOSED HFHK ONE ROOM UNIT INCREMENTAL HOUSING, TANA RIVER

| GRAND SUMMARY | | | |
|---|--|--|--------------------------|
| ITEM | DESCRIPTION | | TENDERER'S AMOUNT |
| 1 | PRELIMINARIES <i>Preliminaries</i> | | |
| 2 | Builders Work <i>One Room Unit</i> | | |
| | Sub Total (16% VAT inclusive) | | |
| 3 | Contingency Sum | | 40,000 |
| GRAND TOTAL FOR ONE UNIT | | | |
| TOTAL FOR 10 UNITS CARRIED TO FORM OF TENDER | | | |

Amount of tender in words: Kenya Shilings.....

Tenderer's signature and stamp.....

Address.....

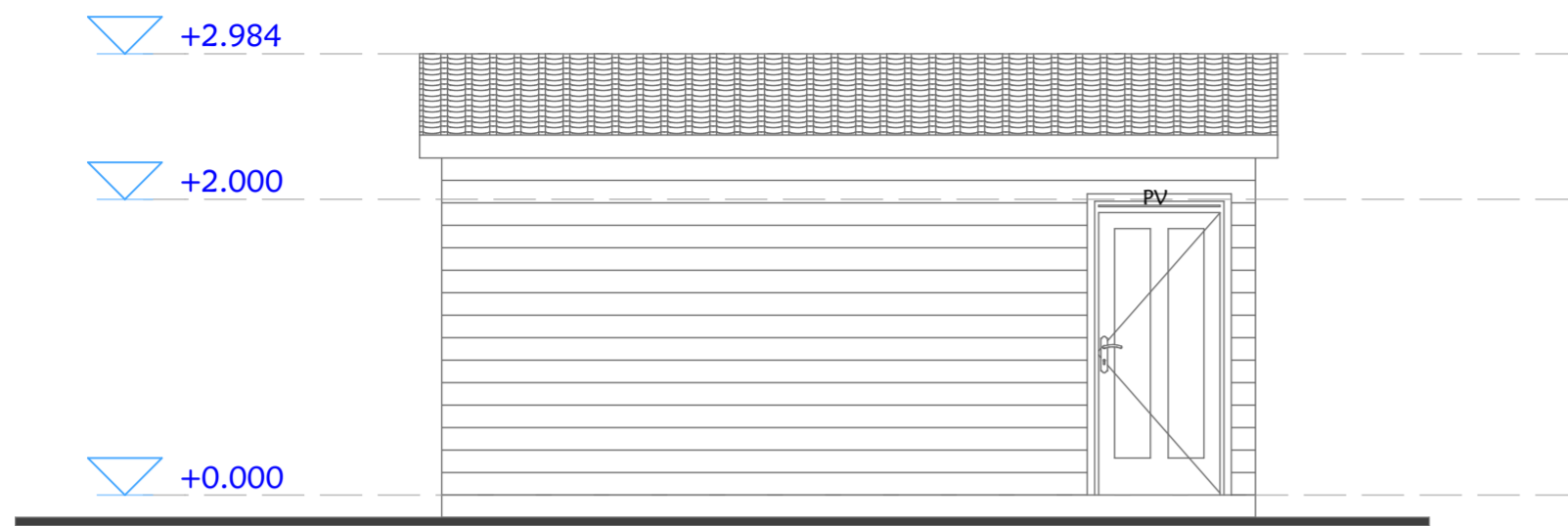
Date.....

Witness: Name and signature.....

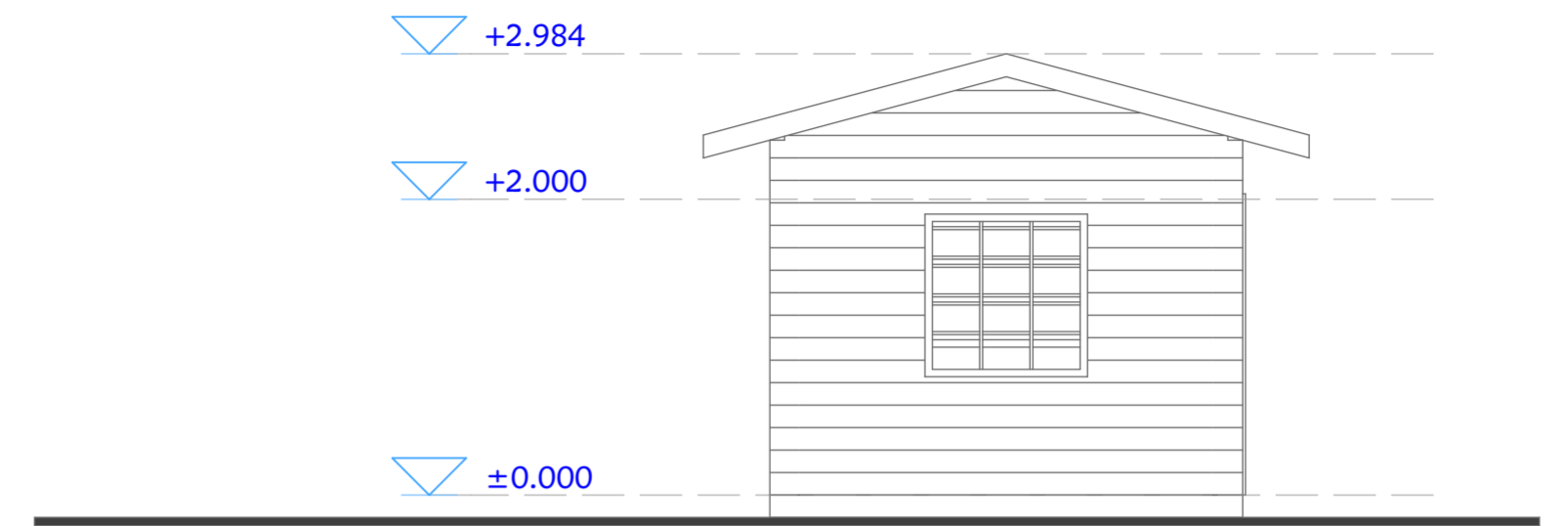
Description.....

Address.....

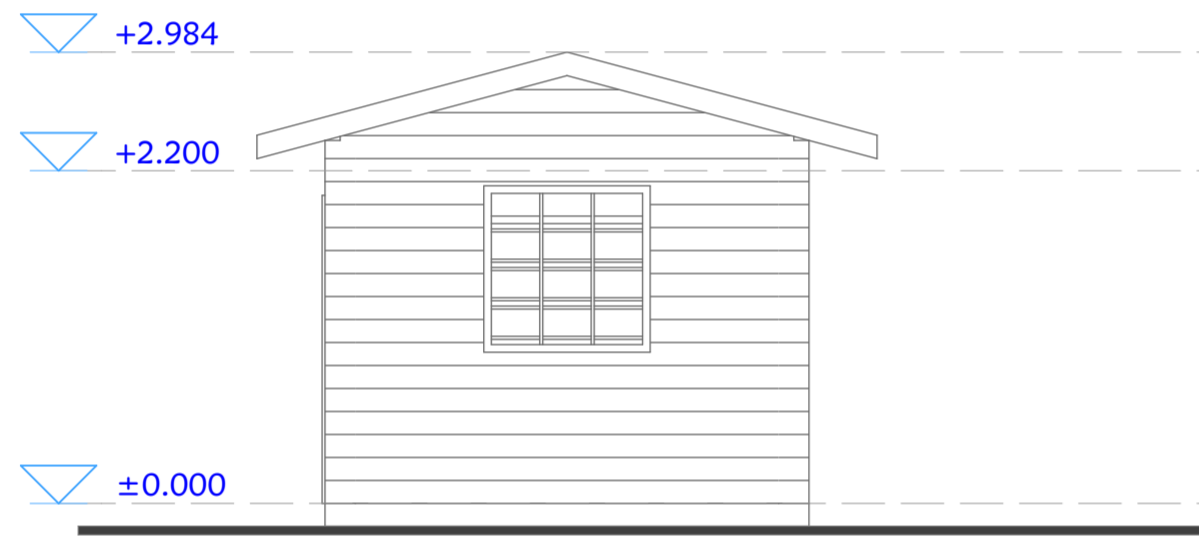
Date.....



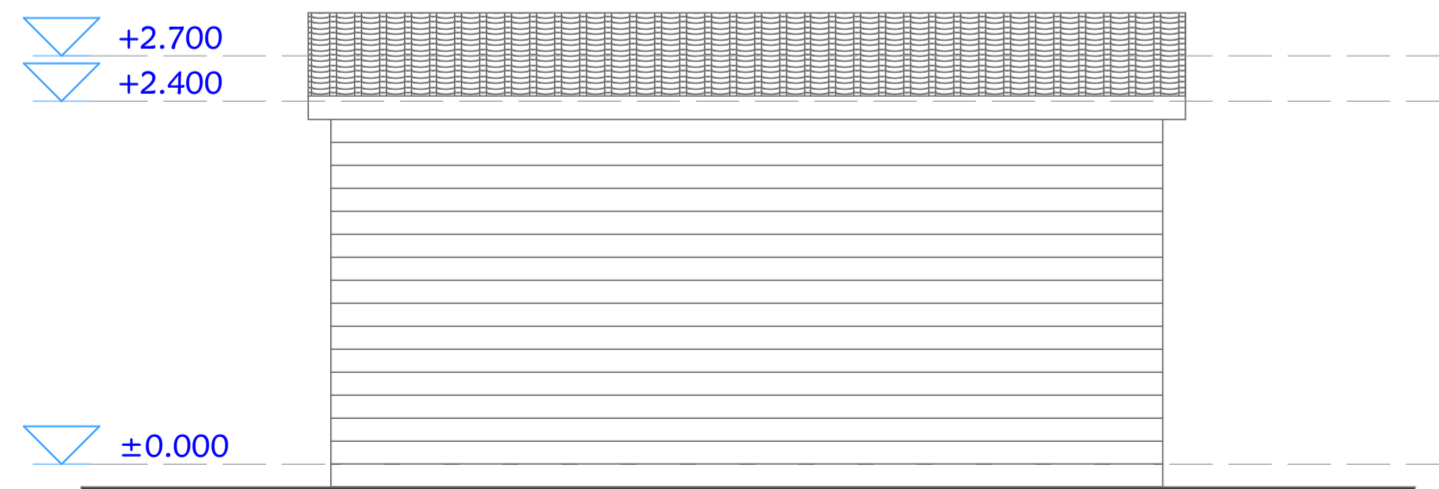
1:50 ELEVATION 01



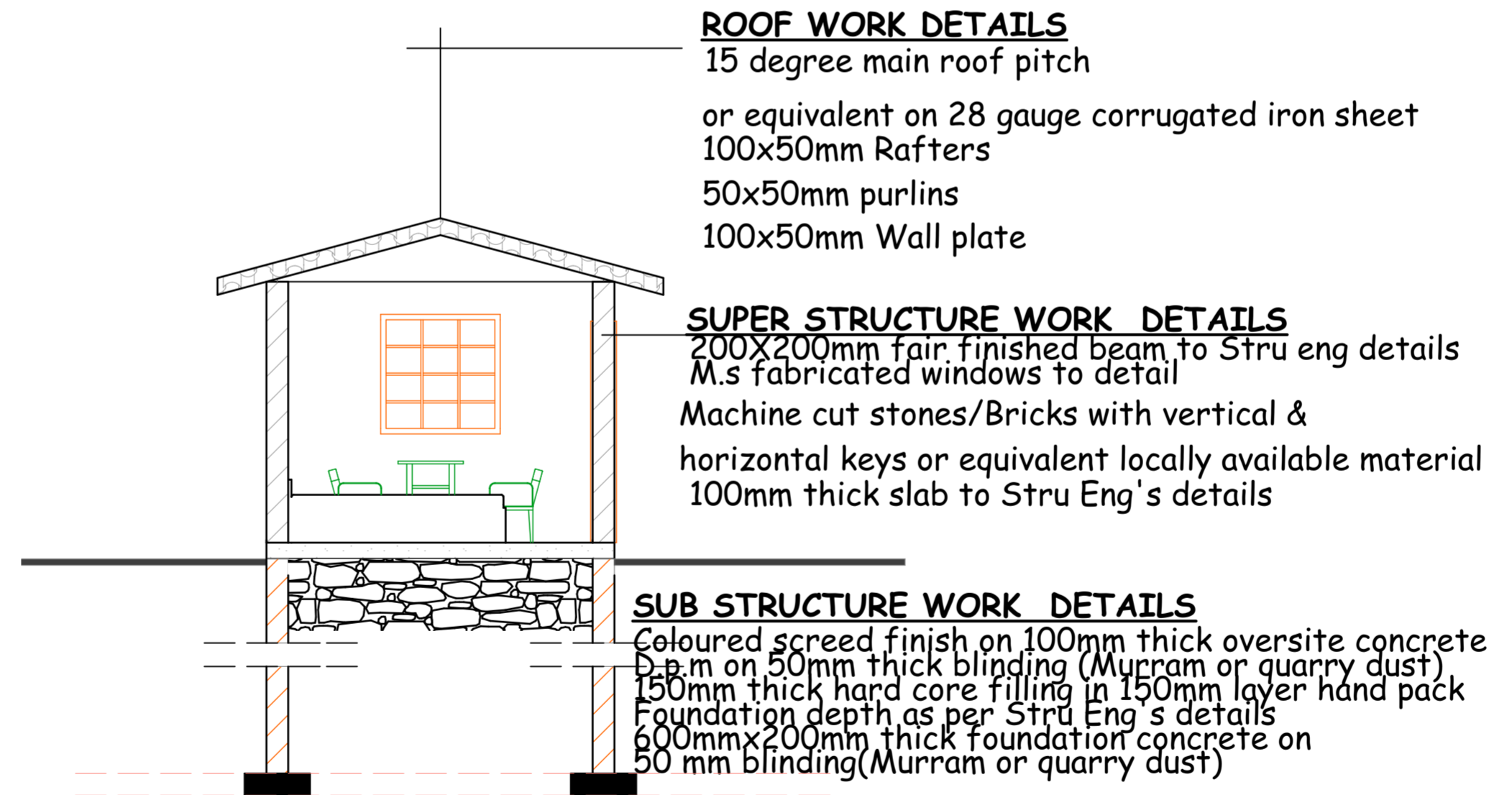
1:50 ELEVATION 04



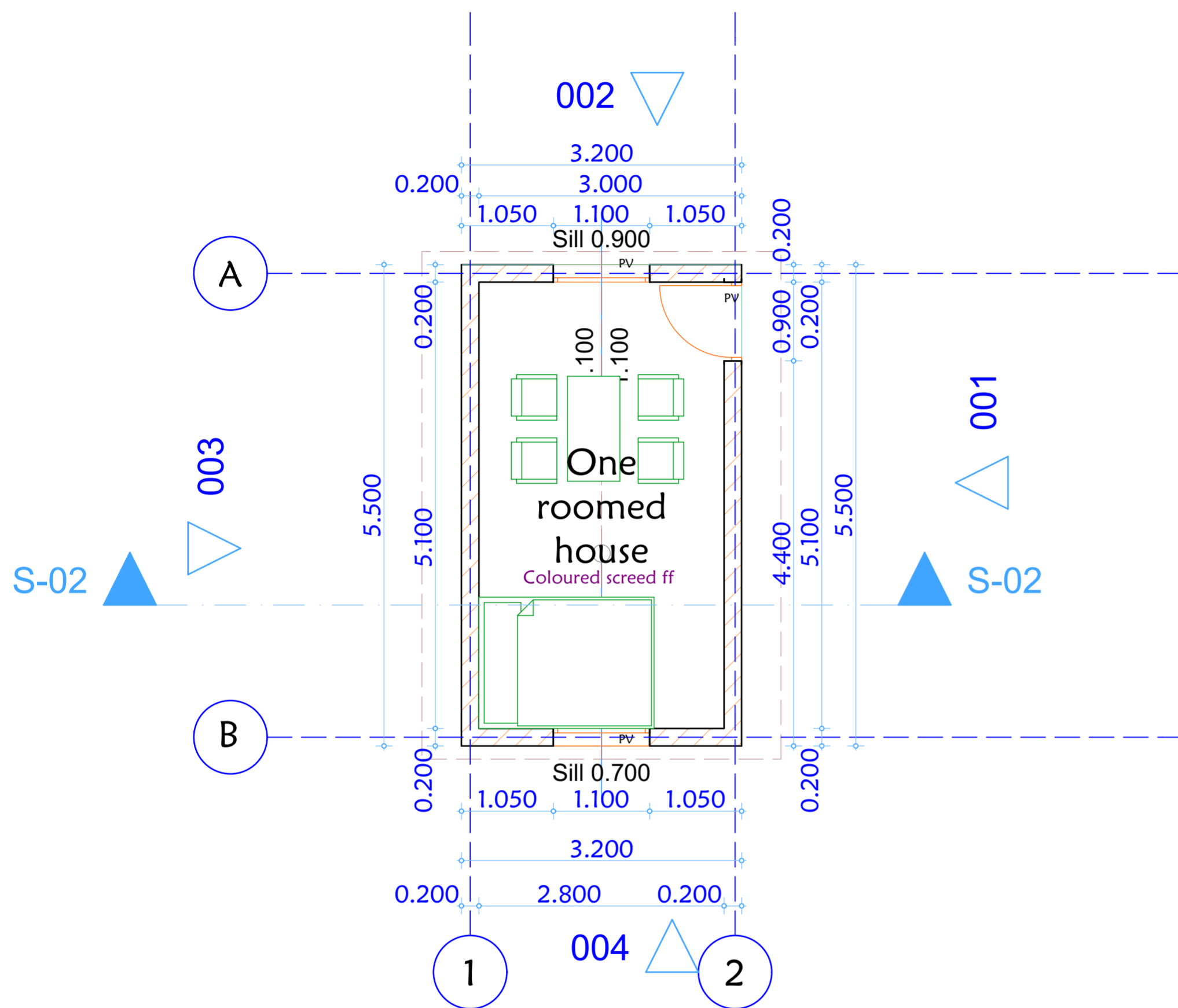
1:50 ELEVATION 02



1:50 ELEVATION 03



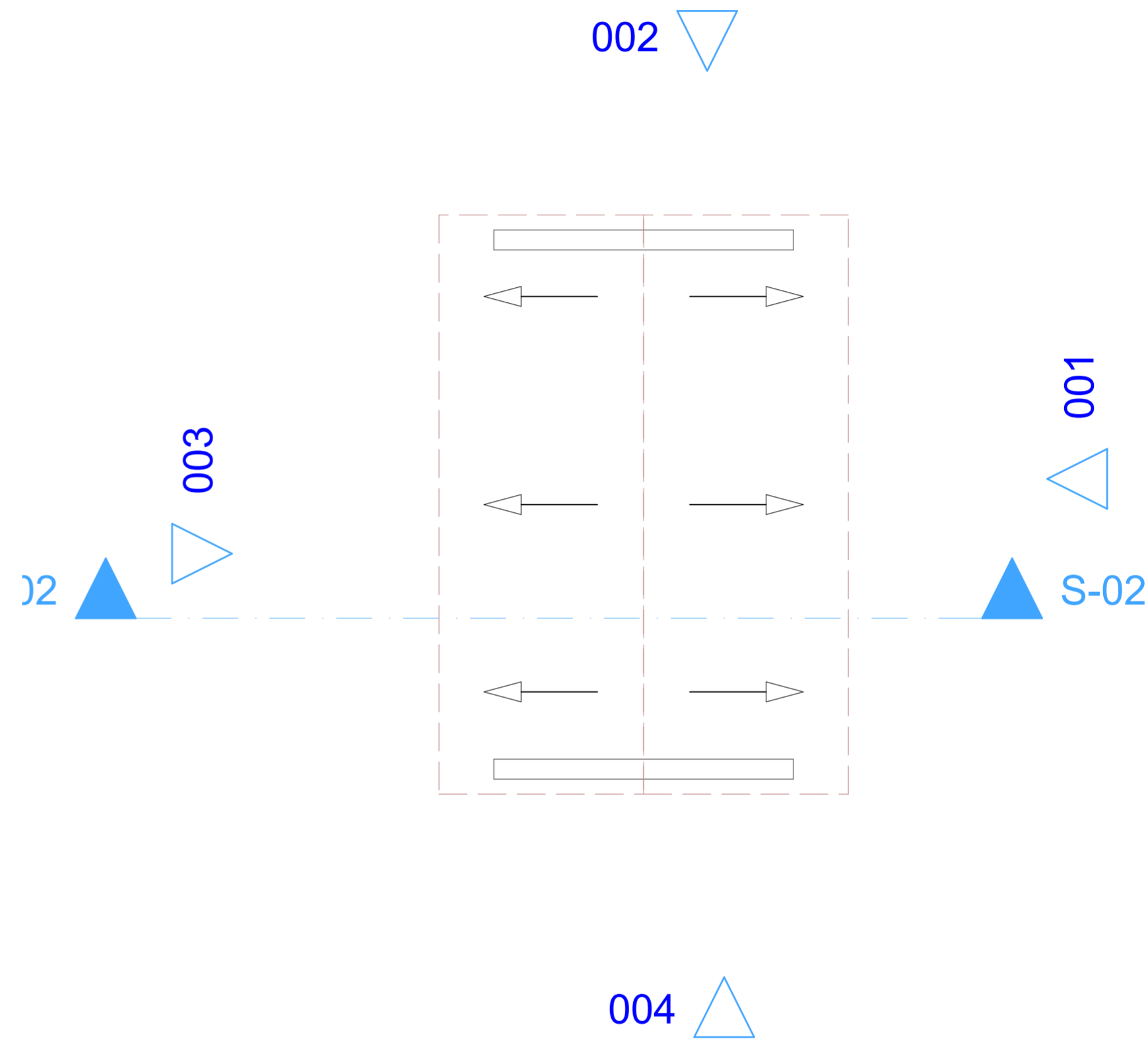
1:50 SECTION S2--S2 S-02



1:50

FLOOR PLAN LAYOUT

0.



1:50

ROOF PLAN

1.

PROPOSED HFHK ONE ROOM UNIT BETTER SHELTER STRUCTURE

Partners

BETTER SHELTER



TCIS

TANA RIVER COUNTY GOVERNMENT

WORKING DRAWINGS

TYPICAL ONE ROOM FLOOR AREA 17.6 SQM