

DZONGKHAG ADMINISTRATION
Bumthang

Bidding Document
For

Construction of Road Side Amenity
(RSA)
At Ura



དཔལ་ལྷན་འབྲུག་གཞུང་། ལུང་ཐང་རྫོང་ཁག་བདག་སྐྱོང་།

Royal Government of Bhutan
Dzongkhag Administration, Bumthang
Engineering Sector
"Towards Beautiful Bumthang"



Ref: JKD/DES-20/2019-2020/

Dated: 6th May 2020

INVITATIONS FOR BIDS (IFB)
(Limited Enquiry)

Dzongkhag Administration, Bumthang invites bids from the eligible Bhutanese contractor for the works detailed below:

| Sl | Name of work | Contract period | Class | Category |
|----|---|-----------------|-------|----------|
| 1 | Construction of Road Side Amenity (RSA) at Ura | 35days | Small | W3 |
| 2 | Construction of Road Side Amenity (RSA) at Tang (Dungmethang) | 35days | Small | W3 |
| 3 | Construction of Caretaker's Quarter at Dumethang Zangdopelri | 35days | Small | W3 |

A complete set of bidding documents in English may be downloaded from Dzongkhag web site (www.bumthang.gov.bt) and will be available for download from 08/05/2020 to 13/05/2020.

Bids must be accompanied by a bid security of not less than 2% of the quoted amount in favor of Dasho Dzongdag, Dzongkhag Administration, Bumthang. Bid security will have to be in any one of the forms as specified in the bidding document and shall have to be valid for 30 days beyond the validity of the bid.

Bids must be delivered to Dzongkhag Reception Counter on or before 14/05/2020 hours upon and will be opened on the same day at 1400 hours, in the presence of the bidders who wish to attend.

Interested eligible bidders may obtain further information from the Office of Dzongkhag Engineering Sector, Bumthang, @ Tel 03-631292 during office hours.

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CHAIRMAN
Dzongkhag Tender Committee

Copy:

1. Director General, Tourism Council of Bhutan, Thimphu or information
2. Planning Officer, Dzongkhag Administration, Bumthang for information.
3. Accounts Officer, Dzongkhag Administration, Bumthang for information.
4. ICT officer, Dzongkhag Administration, Bumthang to upload the IFB in the Dzongkhag website.
5. Concerned engineer for information and necessary action.
6. Chairman, Contractor Association, Bumthang for information and with the request to inform the contractors accordingly.
7. Proprietor, Tandin Cable, Bumthang to advertise the above IFB for 5days w.e.f 7/5/2020 to 12/5/2020.
8. Dzongkhag Notice Board.



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GENERAL TERMS & CONDITIONS

1. Scope of the bid:

The name and identification of the contract is as provided in the Invitation For bids (IFB) and the successful bidders will be expected to complete the works by the intended completed time as specified in the IFB.

2. Eligible bidders:

All small category contractors having valid CDB registration certificate, valid Tax clearance & Valid Trade Licence and have to be present in person at the site on the day and date mentioned in the IFB.

3. Bidding Documents:

Bidding documents/forms shall consist of the following:

- Invitation for Bids (IFB)
- Bill of Quantity (BOQ)
- Drawings
- Form of Bids
- Any other (the standard bidding documents (SBD) in place shall be referred for the general terms and conditions and other provisions of contract not covered herein).

4. Preparation of Bids:

The duly signed and filled up forms and other documents comprising of bidding documents as stated above shall be submitted on or before the dated and time specified in the IFB.

5. Submission of Bids:

Bids must be submitted/ delivered on or before the day and date at the addresses mentioned in the IFB and no "alternate" bids shall be entertained. "Copies" of the bid document need not be submitted.

6. Opening of Bids:

Bid opening shall take place on the day and date specified in the IFB in the presence of the bidders who choose to attend.

7. Award of contract:

The employer shall award the work to the bidders whose bid has been determined to be substantially responsive to the bidding documents.

The successful bidders shall have to deposit performance bond of 10% of the contract price in any form and an additional performance bond in the form of cash warrant for the bid exceeding (-)20 % deviation limit from the departmental estimates.

8. Payment & Security:



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Mobilization advance equivalent to 10% of the contract amount shall be paid upon the production of equivalent value in the form of unconditional bank guarantee. Material advance up to 75% of the value of the materials at site shall be paid. No other advances are admissible apart from the payment mentioned above.

No time extension shall be granted at any circumstances and the contractor are urged to acquaint and make site visit before quoting the rates.

A delay penalty @ 0.05% per day of the initial contract amount shall be imposed to the maximum of 0.1% of the initial contract amount.

9. Others:

The contractor shall be mandatory to employ at least 2 (Two) unskilled manpower that shall be engaged by the employer and the contractor shall have to make payment to them for the entire contract duration @ minimum of Nu. 600/- per day. The cost of engaging them shall have to be inbuilt in the offered rates and nothing extra shall be paid by the employer. ***(This clause is meant for only those firms bidding for the Construction of Road Site Amenity (RSA) only and is not applicable to other works).***

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CHAIRMAN, DTC
Dated: 6/05/2020

NAME OF WORK :Construction of Road Side Amnety (RSA) at Ura, Tang gewogs

| No | Description of items | Qty. | Unit | Rate (In words) | Rate (In | Amount |
|------------------|---|--------|------|-----------------|----------|--------|
| REST ROOM | | | | | | |
| 1 | Clearing jungle including uprooting of vegetation & trees of girth < 300mm & disposal within 50m of the site- Along plumbing lines | 150.00 | sq.m | | | |
| 2 | Earth work in excavation over areas, depth >300mm, width >1.5m, area >10 sq.m on plan, including disposal of excavated earth within all lead & lifts and the disposed soil to be neatly dressed.: | 187.50 | cu.m | | | |
| 3 | Excavation in foundation trenches or drains not exceeding 1.5m in width or area 10 sq.m on plan, including dressing & ramming, disposal of surplus soil within 50m lead & 1.5m lift | 209.59 | cu.m | | | |
| 4 | Providing & laying dry earth bedding, including consolidating each deposited layer by watering, ramming and dressing :45% of excavation for all kinds of work | 117.00 | cu.m | | | |
| 5 | Providing and laying in position plain cement concrete excluding the cost of centering and shuttering - All work upto plinth level. : 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm nominal size) | 5.50 | cu.m | | | |
| 6 | Providing & fixing white vitreous china wash basin, including C.I brackets, 15mm C.P. brass pillar taps, c.p. chain & rubber plug, 32mm pvc waste, 32mm dia. trap & union, repair walls | | | | | |
| | Flat back wash basin 630x450mm with single 15mm c.p. brass pillar taps | 2.00 | Each | | | |
| 7 | Providing & fixing pedestals for basins, white vitreous china, recessed back for pipes and necessary fittings | 2.00 | Each | | | |
| 8 | Providing & laying Hand packed stone filling/soiling under the RCC footings, etc complete. | 11.23 | cu.m | | | |
| 9 | Providing & laying Random Rubble Masonry with hard stone in foundation & plinth. In cement mortar 1:5 | 42.30 | cu.m | | | |
| 10 | Providing & laying Coursed Rubble Masonry with hard stone hammer-dressed in foundation & plinthExtra for C.R. masonry with hard stone in superstructure above plinth, below & including floor 2 level: In CM 1:4-350 mm thk exposed CRM masonry for supertsructre walls | 9.92 | cu.m | | | |
| 11 | Constructing second class brick masonry open surface drain in cement mortar 1:4 including earth work in excavation 100 mm thick concrete bed 1:5:10, 40mm aggregate and 25mm thick cement concrete 1:2:4,12 mm aggregate for filling haunches including 12mm cement plastering 1:4 with a floating coat of neat cement and disposal of surplus earth etc. complete : 150*250 mm depth | 37.20 | m | | | |
| 12 | Providing and laying 50mm thick Plinth Protection and grouted with fine sand mix including well rammed, finishing the top smooth :With cement concrete 1:3:6, 20mm aggregates, laid over 75mm thick layer of compacted gravel (40mm) : | 20.48 | sq.m | | | |
| 13 | Providing & laying 20mm cement plaster - C.M 1:4 (External and internal walls Above plinth) | 30.85 | sq.m | | | |
| 14 | Providing and applying Synthetic varnish (clear) - two coats, including coat of wood filler on new work: | 47.89 | sq.m | | | |
| 15 | Providing & fixing Ageis Beige/dark beige/similar texture as stone masonry, anti skid tiles, 300*300 in flooring (BSB approved brands) laid on bed of 12mm thick cement mortar 1:3 finished with flush pointing in white cement: Sample to be shown before procurement of the materials | 15.05 | sq.m | | | |
| 16 | Providing & fixing corsa crema/light beige/similar texture as stone masonry glazed tiles, 300 x 300 mm in dado any brands approved by (BSB)finished with flushpointing in white cement (The sample to be shown to the client and consult the engineer before laying)) . | 30.85 | sq.m | | | |
| 17 | Providing & fixing to frames (wall or ceiling) blue pine plain lining, tongued & grooved, including necessary fixtures, wooden plugs & priming coat on unexposed surfaces with wood preservatives (excluding cost of frames). 75 x20 mm thick.: | 18.50 | sq.m | | | |

NAME OF WORK :Construction of Road Side Amnety (RSA) at Ura, Tang gewogs

| No | Description of items | Qty. | Unit | Rate (In words) | Rate (In | Amount |
|----|---|-------|------|-----------------|----------|--------|
| 18 | Providing and fixing toilet cubicle (of the following standard dimensions which includes 600 mm door size width) made of heat, bacteria,,water, chemical, scratch, impact and anti-bacterial resistant 12 mm thick solid compact high pressure laminate panels,which includes doors, pilasters,intermediate panels. This also includes P&f in position necessary hardware made out of Nylon Polyamide Grade-6 and aluminium powder coated top rail as per manufacture 's specification and Archiects/Engineers instructions like 1. Door Knob, 2. Gravity hinges,3. Thum turn lockset indicator, 4. Aluminium top rail, 5. coat hook, 6. U-channels, 7.Adjustible foot, 8. Noise defeaning tane, 9.screws and wall plugs etc. | | | | | |
| | Toilet cubicle with standard dimensions of 2055 height*1000mm width*1535 depth, which includes 600 mm door size width. | 3.00 | each | | | |
| 19 | Providing and fixing 12 mm thick High pressure compact laminate with SS L-clamp and screws complete. For urinal partition with standard dimensions of 1200mm height* 550 mm depth and 500 mm gap from floor | 2.00 | each | | | |
| 20 | Providing and fixing in position dressed wood work in frames of doors, windows, clerestory windows and other frames, wrought and framed. (Blue Pine/Mixed conifer wood). <i>The finishes should be machine finished, not manual finish.Refer the architectural drawing for the detail. Consult the Engineer for any queries on sizing. And also mention wood type while quoting the price.</i> | 8.87 | cu.m | | | |
| 21 | Providing and fixing 35 mm thick paneled or glazed doors and windows shutters etc. complete including SS Hinges excluding other door fittings. (Blue pine wood/Mixed conifer) as per drawing | | | | | |
| | D1(Wooden Panelled) | 3.00 | sq.m | | | |
| | D2(folding PVC door) | 1.00 | Each | | | |
| 22 | Providing & fixing M.S. handle with necessary screws etc. complete -Good quality brand | | | | | |
| | 150 mm for Door : D1 | 6.00 | each | | | |
| 23 | Providing & fixing M.S. sliding door bolt, bright finished, enamelled with necessary screws etc. complete-250 mm for doors | 3.00 | each | | | |
| 24 | Providing & fixing M.S tower bolt (barrel type) with necessary screws etc. complete-250 mm for doors | 3.00 | each | | | |
| 25 | Providing & fixing bolts of various sizes including nuts & washers as per design drawing and specification. | 20.85 | kg | | | |
| 26 | Providing, making and fixing M.S. straps, flats, sole plates etc. for roof truss connection as | 37.63 | kg | | | |
| 27 | Providing & fixing Pre Painted Steel Corrugated Roofing sheets, including bolts, hooks and nuts 8mm dia. with bitumen and G.I limpet washers filled with white lead for connection, excluding the cost of purlins, rafter and trusses, green colour. (25g (0.50mm)) | 67.26 | sq.m | | | |
| 28 | Providing & fixing 600mm ridges or hips in Pre Painted Steel sheets, including bolts, hooks and nuts 8mm dia G.I limpet and bitumen washers for connection. (25g (0.50mm)) | 8.85 | m | | | |
| 29 | Providing & fixing Eaves board (225x25mm) with moulding fitted and fixed with necessary screws, etc complete: In mixed conifer | 65.80 | m | | | |
| 30 | Providing & fixing 450mm over all semi-circular plain PVC gutter, including brackets, bolts, nuts, washers & rain water pipes connections, excluding the cost of pipes as per the design drawing and specification.: | 17.70 | m | | | |
| 31 | Providing and fixing on wall face single socketed rigid PVC (working pressure 4kgf per sq.cm) rain water pipes including jointing with seal ring leaving 10mm gap for thermal expansion - complete - 75mm dia | 9.00 | m | | | |
| 32 | Providing and fixing on the wall face PVC bend for rigid rain waer pipes including jointing with seal ring leaving 10 mm gap for thermal expansion - complete - 75 mm. | | | | | |
| 33 | Providing & fixing CPVC pipes including clamps accessories & repair walls etc. complete. 20 mm Ashirvad brand: part no: SDR 11, 2129112: For cold water distribution from tank, overflow and intake | 20.00 | m | | | |
| 34 | Providing & fixing CPVC tank nipple with one side pipe fitment, part no: SDR 11 2223607: 20 mm, Ashirvad brand: For tank connection with | 2.00 | each | | | |

NAME OF WORK :Construction of Road Side Amnety (RSA) at Ura, Tang gewogs

| No | Description of items | Qty. | Unit | Rate (In words) | Rate (In | Amount |
|----|--|--------|------|-----------------|----------|--------|
| 35 | Providing & fixing CP Bib Cock (Standard vertical), 15 mm (Hindware brand/any other brand approved by BSB) | 4.00 | each | | | |
| 36 | Providing & fixing Stainless steel toilet Paper Holder with Flap Recessed Type: (The brand approved by BSB) | 4.00 | each | | | |
| 37 | Providing & fixing CP Soap Dish Recessed Type (Stainless Steel). (The brand approved by BSB) | 2.00 | each | | | |
| 38 | Providing & fixing CP Towel Ring Round with Round Flange. (The brand approved by BSB) | 2.00 | each | | | |
| 39 | Providing & fixing european type sato pan pedestal including all coonection and fittings complete. | 1.00 | each | | | |
| 40 | Providing & fixing indian type sato pan pedestal including all coonection and fittings complete. | 3.00 | each | | | |
| 41 | Providing & fixing white vitreous china flat back, lipped front urinal basin 430x260x350mm including C.I cistern & fittings, brackets, G.I. flush pipe & spreaders, brass unions, G.I. clamps, painting, repair walls: One bowl-5 litres. C.I. cistern with push tyne flushing tap : The brand approved by | 2.00 | each | | | |
| 42 | P & f P.V.C Nahani Trap - 110mm inlet & 75mm outlet | 3.00 | each | | | |
| 43 | Providing & fixing for Disabled person SS handle/grab bar (u shaped/Lshaped, floor mounted and wall mounted as per the drawing: 800 mm length*32 mm dia.) for flush toilet with necessary screws etc. complete. (The grab bar shall be palced at 750 mm above the floor level) | 4.00 | each | | | |
| 44 | disable ss handle(400 mm length*32 mm dia)/grab bar for disabled door (The grab bar shall be palced at 900 mm above finished floor level) | 1.00 | each | | | |
| 45 | Providing & fixing 600*450 mm bevelled edge mirror (superior glass) incl.4mm A.C sheet base fixed to wooden cleats: Refer the architectural drawing for the size of frame.. The colour of the frame shall be same as that of window frames (vanishes) | 2.00 | each | | | |
| 46 | Providing & fixing CP Angular Stop Cock :15mm, standard, c.p knob (Hindware brand/any other brand approved by BSB) | 4.00 | each | | | |
| 47 | Providing & fixing P.V.C soil and vent pipes, single or double socketed, including pine clip complete (excluding the cost of PVC fittings) | | | | | |
| | 110 mm | 10.00 | m | | | |
| | 75 mm | 10.00 | m | | | |
| 48 | Providing & fixing P.V.C Coupler | | | | | |
| | 110mm dia | 3.00 | each | | | |
| 49 | Providing & fixing P.V.C Long arm bend with door | | | | | |
| | 110 mm | 4.00 | each | | | |
| 50 | Providing & fixing P.V.C Single Tee plain . | | | | | |
| | 75mm dia | 1.00 | each | | | |
| | 110 mm dia. | 2.00 | each | | | |
| 51 | Providing & fixing P.V.C plain bend: 110 mm | | | | | |
| | 110 mm | 3.00 | each | | | |
| | 75 mm | 2.00 | each | | | |
| 52 | Providing & fixing CPVC ball valve , Ashirvad brand: before inlet and outlet from tank | 2.00 | each | | | |
| 53 | Constructing the soak pit : Size 1200x1200x1200mm, filled with brick bats including 100mm SW drain pipe X 1200mm long | 1.00 | each | | | |
| 54 | Providing & laying H.D.P.E pipes, pressure class 10kg/sq.m, with gradient 1 in 40, including H.D.P.E fittings (excluding trenching, refilling & thrust block), 25 mm from intake chamber including road cutting and making good the road as earlier. | | | | | |
| | 25 mm | 650.00 | m | | | |
| 55 | Providng and fixing health faucets | 4.00 | each | | | |
| 56 | Providing and fixing foldable baby changing table | 1.00 | each | | | |
| 57 | Providing & laying hammer dressed flat stone(dolep) paving in cement mortar 1:6 on prepared bedding (excluding the cost of bedding)-20 mm | 14.63 | sq.m | | | |
| 58 | Providing & fixing plastic tank including all accessories complete; 3000 litre capacity | 1.00 | each | | | |
| 59 | Providing and fixing sinages | | | | | |
| | Sinage for male, female and disabled units | 3.00 | Each | | | |
| | General signboard for restroom | 1.00 | Each | | | |

NAME OF WORK :Construction of Road Side Amnety (RSA) at Ura, Tang gewogs

| No | Description of items | Qty. | Unit | Rate (In words) | Rate (In | Amount |
|----|--|--------|-------|-----------------|----------|--------|
| 60 | Providing & fixing bright finish brass spring-loaded, hinged door-closer with necessary screws etc. complete: <i>for all the doors expet for disable</i> | 5.00 | each | | | |
| 61 | P&f 1.2 mm transparent corrugated fibreglass sheet including 8mm G.I J or L hooks, bitumen & G.I limpet washers etc complete, excluding cost of frame: <i>As a lighting provision in roofing</i> | 4.00 | sq.m | | | |
| 62 | Providing, making & fixing woodwork dressed in traditional cornices complete as per standard design in Mixed Conifer, including applying wood preservative on unexposed surfaces, excluding decorative painting (Measurement to be taken along the cornice and wall junction line): <i>At lintel level</i> | 7.17 | m | | | |
| 63 | Construction of septic tank | | | | | |
| | Providing and laying Hand packed stone filling or soling with stones | 2.79 | | | | |
| 64 | Providing and laying in position plain cement concrete excluding the cost of centering and shuttering - All work upto plinth level. 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 40 mm nominal size) | 4.64 | cu.m | | | |
| 65 | Providing & laying Random Rubble Masonry with hard stone in foundation & plinth. In cement mortar 1:5 | 23.36 | | | | |
| 66 | Providing & laying cement plaster, finished with floating coat of neat cement : 12 mm cement plaster in C.M 1:4 | 26.27 | | | | |
| 67 | Providing & laying in position reinforced cement concrete excluding the cost of centering, shuttering and reinforcement - all work upto plinth level | 2.32 | cu.m | | | |
| 68 | Providing & fixing Thermo-Mechanically Treated reinforcement bar (Yield Strength 500 MPa) for R.C.C work including cutting, bending, binding and placing in position complete | 973.18 | kg | | | |
| | ELECTRICAL | | | | | |
| | Provide & Draw Single Core 1.1KV grade PVC insulated copper conductor cable in existing PVC conduit surface. | | | | | |
| | 2x1.5 sq.mm | 20.00 | mtrs. | | | |
| | 2 x 2.5 sq.mm | 24.50 | mtrs. | | | |
| | 2 x 4 sq.mm | 17.00 | mtrs. | | | |
| | 1 x 1 sq.mm | 17.00 | mtrs. | | | |
| | PVC CASSING AND CAPPAING | | | | | |
| | Supplying and fixing of PVC cassing and capping on surface including all accessories such as screws, bends, elbows, Tees, corners, etc. complete as required. | | | | | |
| | 25 x 10 x 1.2 mm (For internal wiring connection) | 32.50 | mtrs. | | | |
| | SWITCH & SOCKETS | | | | | |
| | Supplying & fixing of 6A switch on existing PVC/metal / moulded tough surface box (recessed or surface) including necessary cutting, connection testing etc. as required. | | | | | |
| | 6A switch SP 1-way modular type | 6.00 | each | | | |
| | Supplying & fixing of switch/socket on existing wooden board/round block/junction box (PVC/metal) including necessary cutting, connection testing etc. as required: <i>ceiling Rose 2 plate (PVC) 6 Ampers with necessary accessories</i> | 6.00 | each | | | |
| | Supplying & fixing of switch/socket on existing PVC/ wooden /metal/ moulded tough surface box with fibre sheet cover, round block, junction box (recessed or surface) including necessary cutting, connection testing etc. as required. | | | | | |
| | 5/6 pin, 6/16A switch/socket combined, shuttered, modular type (2 nos. for kitchen and one for bed room and sitting room) | 2.00 | each | | | |
| | PVC BOXES | | | | | |
| | Supplying & fixing of PVC boxes for switch/socket outlet/switch socket combined/ gang switches on surface including painting etc as required | | | | | |
| | 2 module | 3.00 | each | | | |

NAME OF WORK :Construction of Road Side Amnety (RSA) at Ura, Tang gewogs

| No | Description of items | Qty. | Unit | Rate (In words) | Rate (In | Amount |
|----|--|-------|------|-----------------|----------|--------|
| | Miniature Circuit Breaker (MCB) | | | | | |
| | Supplying and fixing of miniature circuit breaker (MCB) single pole, 230 volt A.C complete with all accessories suitable to fix on a din-bar etc. as required: | | | | | |
| | 10 Amperes | 1.00 | each | | | |
| | 16 Amperes | 2.00 | each | | | |
| | Supplying and fixing of SPN distribution board (DIN type, horizontal) with metal door, 230 volt A.C complete with all accessories without MCB/isolator/RCCB out going or incoming etc. as required | | | | | |
| | 4 ways | 1.00 | each | | | |
| | Supplying and fixing prewired fluroscent lamp luminaries housng of CRCA sheet steel rail, end with lamp holder, copper wound ballast, starter, starter holder, terminal block etc. but with lamp. HPF sitable for wall and | | | | | |
| | Strip Rail 36/40 Watts | 6.00 | each | | | |
| | Supplying and fixing of fluroscent lamps 240 volts A.C | | | | | |
| | TL lamps 36/40 watts | 6.00 | each | | | |
| | Supplying of residual current circuit breaker (RCCB) double pole, sensitivity 30 mA , 230 volts A.C complete with all accessories suitable to fix on din-bar etc. as required | | | | | |
| | 63 Amperes | 1.00 | each | | | |
| | Supplying and laying of 3- Core 1.1KV grade PVC insulated and sheathed Aluminium conductor armoured power cables | | | | | |
| | 16 sq.mm | 0.00 | m | | | |
| | S/F/T/C of single phase kilowatt hour meter completed as required | 1.00 | each | | | |
| | Providing and fixing of wood box with shutter having locking system arrangement on the wall mounted to accommodate the give SPN BB and energy meter including painting asrequired | 1.00 | each | | | |
| | ERECTION/INSTALLATION | | | | | |
| | Installation, testing and commissioning of SPN/DP miniature circuit breaker DIN type complete with all accessories to accommodate on/in prefabricated MS surface /MS cubical control panel board including drilling holes, connections etc as required | | | | | |
| | 6/10/16/20 A | 3.00 | each | | | |
| | 63 A (RCCB) | 1.00 | each | | | |
| | Installation, testing and commissioning of SPN DB (DIN type, horizontal/vertical) with no door, metal door or arcylic door (double/single door) complete with all accessories to accommodate incoming RCCB DP 16/25 A sensitivity 30/100/300mA and outgoing SP MCB 6/10/16A on/in prefabricated MS surface/MS cubical control panel board including drilling holes, connections etc. as required | | | | | |
| | 4 ways | 1.00 | each | | | |
| | Installation, testing and commisioing of prewired fluroscent/lamps/CFL fittings of all surface type complete with all accessories and tube directly on ceiling/wall as required including connection with PVC insulated | | | | | |
| | 1.5 sq.mm single core cable 1.1 KV grade | 6.00 | each | | | |
| | Providing and fixing of earthing including all accessories, machinery enclosure, C.I cover plate having locking arrangement, watering pipe with excavation and refilling work including charcoal or coke and salt complete as required as per standard earthing drawing | | | | | |
| | With G.I earth plate 600x600x6mm | 1.00 | each | | | |
| | Providing and laying earth connection from earth electrodes in 15mm dia G.I pipe from earth electrodes as required as per guidance of standard earthing drawing | | | | | |
| | With 4.06mm dia (8SWG) G.I wir | 10.00 | m | | | |
| | CARE TAKER HOUSE CUM SHOP | | | | | |

NAME OF WORK :Construction of Road Side Amnety (RSA) at Ura, Tang gewogs

| No | Description of items | Qty. | Unit | Rate (In words) | Rate (In | Amount |
|----|--|--------|------|-----------------|----------|--------|
| 1 | Earth work in excavation over areas, depth >300mm, width >1.5m, area >10 sq.m on plan, including disposal of excavated earth within all lead & lifts and the disposed soil to be neatly dressed.: | 11.35 | cu.m | | | |
| 2 | Providing & laying dry earth bedding, including consolidating each deposited layer by watering, ramming and dressing : | 14.25 | cu.m | | | |
| 3 | Providing and laying in position plain cement concrete excluding the cost of centering and shuttering - All work upto plinth level. : 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm nominal size) | 3.30 | cu.m | | | |
| 4 | Providing & laying Hand packed stone filling/soling under the RCC footings, etc complete. | 6.42 | cu.m | | | |
| 5 | Providing & laying Random Rubble Masonry with hard stone in foundation & plinth: in cement mortar 1:5 | 5.53 | cu.m | | | |
| 6 | Providing & laying 20mm cement plaster - C.M 1:4 (External and internal walls Above plinth and RRM walls of plinth level) | 14.23 | sq.m | | | |
| 7 | Providing and applying wood preservatives:copper Brown, two coats on new works. | 100.00 | sq.m | | | |
| 8 | Providing and applying wood stains, varnishes & polishes: Wood stain (natural colour of floor plank), one coat. | 77.15 | sq.m | | | |
| 9 | Providing & fixing Pre-laminated Particle Board Lining with necessary nails etc. complete (excluding cost of frame): 8 mm | 125.19 | sq.m | | | |
| 10 | Providing & fixing Mixed Conifer Flooring including fixing with iron screws etc. complete, excluding the cost of frame: 25mm thick, half-lapped, 250 mm width. | 19.40 | sq.m | | | |
| 11 | Providing and fixing in position dressed wood work in frames of doors, windows, clerestory windows and other frames, wrought and framed. (Blue Pine/Mixed conifer wood). <i>The finishes should be machine finished, not manual finish.Refer the architectural drawing for the detail. Consult the Engineer for any queries on sizing. And also mention wood type while quoting the price.</i> | 0.46 | cu.m | | | |
| 12 | Providing & fixing Mixed Conifer (undressed) in wallframes etc: For horizontal and vertical frames, flooring frames, trusses and purlins | 2.33 | cu.m | | | |
| 13 | Providing and fixing 35 mm thick paneled or glazed doors and windows shutters etc. complete including SS Hinges excluding other door fittings. (Blue pine wood/Mixed conifer) as per detailed drawing for D1. <i>The finishes should be machine finished, not manual finish. The glass to be used is frosted</i> | 5.32 | sq.m | | | |
| 14 | Providing & fixing 25mm thick Panelled or glazed Shutters for cup-boards etc. complete including hinges: Mixed conifer | 7.10 | sq.m | | | |
| 15 | Providing & fixing brass tower bolt (barrel type) with necessary screws etc. complete | | | | | |
| | 100 mm for window 1 | 18.00 | each | | | |
| | 200 mm for door D1(2 for entrance door and 1 for inside door) | 5.00 | each | | | |
| 16 | Providing & fixing brass handle with necessary screws etc. complete | | | | | |
| | 125 mm for window W1 | 10.00 | each | | | |
| | 150 mm for door D1 | 5.00 | each | | | |
| 17 | Providing & fixing bright finished brass hook-and-eye with necessary screws etc. complete: 100 mm for window W1 | 10.00 | each | | | |
| 18 | Providing & fixing brass sliding door bolt with nuts necessary screws etc. complete: 1 each for a door | 4.00 | each | | | |
| 19 | Providing & fixing bolts of various sizes including nuts & washers as per design drawing and specification. | 8.64 | kg | | | |
| 20 | Providing, making and fixing M.S. straps, flats, sole plates etc. for roof truss connection as | 33.96 | kg | | | |
| 21 | Providing & fixing Pre Painted Steel Corrugated Roofing sheets, including bolts, hooks and nuts 8mm dia. with bitumen and G.I limpet washers filled with white lead for connection, excluding the cost of purlins, rafter and trusses.. green colour. (25g (0.50mm)) | 43.34 | sq.m | | | |
| 22 | Providing & fixing 600mm ridges or hips in Pre Painted Steel sheets, including bolts, hooks and nuts 8mm dia G.I limpet and bitumen washers for connection. ((25g (0.50mm)) | 6.75 | m | | | |

NAME OF WORK :Construction of Road Side Amnety (RSA) at Ura, Tang gewogs

| No | Description of items | Qty. | Unit | Rate (In words) | Rate (In | Amount |
|----|---|-------|-------|-----------------|----------|--------|
| 23 | Providing & fixing Eaves board (225x25mm) with moulding fitted and fixed with necessary screws, etc complete: In mixed conifer | 50.21 | m | | | |
| 24 | Providing & fixing 450mm over all semi-circular plain PVC gutter, including brackets, bolts, nuts, washers & rain water pipes connections, excluding the cost of pipes as per the design drawing and specification.: | 20.25 | m | | | |
| 25 | Providing and fixing on wall face single socketed rigid PVC (working pressure 4kgf per sq.cm) rain water pipes including jointing with seal ring leaving 10mm gap for thermal expansion - complete - 75mm dia | 13.50 | m | | | |
| 26 | Providing and fixing on the wall face PVC bend for rigid rain waer pipes including jointing with seal ring leaving 10 mm gap for thermal expansion - complete - 75 mm. | 9.00 | each | | | |
| 27 | Providing & fixing P.V.C Reducer: 110x75mm | 3.00 | each | | | |
| 28 | Providing & laying concrete block brick in Foundation & Plinth+Extra for concrete block brick work in superstructure above plinth level, up to floor two level: Concrete Solid Brick (240mm x 115mm x 80mm | 0.45 | cu.m | | | |
| 29 | Providing and applying finishing coats:crylic washable distemper, two coats on new work, including cement primer coat : On the concrete block walls near the | 4.20 | sq.m | | | |
| 30 | Providing and fixing the well seasoned wooden bakal in aestchetic designs for all the external elevations: Consult the Engineer while fixing, as the design is not indicated in the architectural drawing | 22.70 | sq.m | | | |
| 31 | Providing, making & fixing woodwork dressed in traditional cornices complete as per standard design in Mixed Conifer, including applying wood preservative on unexposed surfaces, excluding decorative painting (Measurement to be taken along the cornice and wall junction line): At lintel level | 8.23 | m | | | |
| 32 | Providing & laying H.D.P.E pipes, pressure class 10kg/sq.m, with gradient 1 in 40, including H.D.P.E fittings (excluding trenching, refilling & thrust block), 25 mm from intake chamber including all the necessary fittings, pillar cocks, stop cocks required in kitchen for the water supply. | 15.00 | m | | | |
| | ELECTRICAL | | | | | |
| 1 | Provide & Draw Single Core 1.1KV grade PVC insulated copper conductor cable in existing PVC conduit surface. | | | | | |
| | 2 x 4 sq.mm | 35 | mtrs. | | | |
| | 1 x 1 sq.mm | 35 | mtrs. | | | |
| | 2x1.5 sq.mm | 13.5 | mtrs. | | | |
| | 2 x 2.5 sq.mm | 18.5 | mtrs. | | | |
| | PVC CASSING AND CAPPAING | | | | | |
| 2 | Supplying and fixing of PVC cassing and capping on surface including all accessories such as screws, bends,elbows, Tees, corners, etc. complete as required. | | | | | |
| | 25 x 10 x 1.2 mm (For internal wiring connection) | 15 | mtrs. | | | |
| 3 | Supplying and fixing of 25 mm HDPE pipe on recessed including all accessories such as screws, bends,elbows, Tees, corners, etc. complete as required : for wiring from DB at the restroom to the caretaker house through ceiling | 25 | mtrs. | | | |
| | SWITCH & SOCKETS | | | | | |
| 4 | Supplying & fixing of 6A switch on existing PVC/metal / moulded tough surface box (recessed or surface) including necessary cutting, connection testing etc. as required. | | | | | |
| | 6A switch SP 1-way modular type | 5.00 | each | | | |
| 5 | Supplying & fixing of switch/socket on existing wooden board/round block/junction box (PVC/metal) including necessary cutting, connection testing etc. as required: ceiling Rose 2 plate (PVC) 6 Ampers with necessary accessories | 5.00 | each | | | |
| 6 | Supplying & fixing of switch/socket on existing PVC/ wooden /metal/ moulded tough surface box with fibre sheet cover, round block, junction box (recessed or surface) including necessary cutting,connection testing etc. as required. | | | | | |

NAME OF WORK :Construction of Road Side Amnety (RSA) at Ura, Tang gewogs

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|----|--|------|------|-----------------|----------|--------|
| | 5/6 pin, 6/16A switch/socket combined, shuttered, modular type (2 nos. for kitchen and one for bed room and sitting room) | 5.00 | each | | | |
| | PVC BOXES | | | | | |
| 7 | Supplying & fixing of PVC boxes for switch/socket outlet/switch socket combined/ gang switches on surface including painting etc as required | | | | | |
| | 2 module | 1.00 | each | | | |
| | 1 module | 3.00 | each | | | |
| | Miniature Circuit Breaker (MCB) | | | | | |
| 8 | Supplying and fixing of miniature circuit breaker (MCB) single pole, 230 volt A.C complete with all accessories suitable to fix on a din-bar etc. as required: | | | | | |
| | 10 Amperes | 1 | each | | | |
| | 16 Amperes | 5.00 | each | | | |
| 9 | Supplying and fixing of SPN distribution board (DIN type, horizontal) with metal door, 230 volt A.C complete with all accessories without MCB/isolator/RCCB out going or incoming etc. as required | | | | | |
| | 6 ways | 1.00 | each | | | |
| 10 | Supplying and fixing prewired flurosent lamp luminaries housng of CRCA sheet steel rail, end with lamp holder, copper wound ballast, starter, starter holder, terminal block etc. but with lamp. HPF suitable for wall and | | | | | |
| | Strip Rail 36/40 Watts | 5.00 | each | | | |
| 11 | Supplying and fixing of flurosent lamps 240 volts A.C | | | | | |
| | TL lamps 36/40 watts | 5 | each | | | |
| | ERECTION/INSTALLATION | | | | | |
| 12 | Installation, testing and commissioning of SPN/DP miniature circuit breaker DIN type complete with all accessories to accommodate on/in prefabricated MS surface /MS cubical control panel board including drilling holes, connections etc as required | | | | | |
| | 6/10/16/20 A | 6.00 | each | | | |
| 13 | Installation, testing and commissioning of SPN DB (DIN type, horizontal/vertical) with no door, metal door or arcylic door (double/single door) complete with all accessories to accommodate incoming RCCB DP 16/25 A sensitivity 30/100/300mA and outgoing SP MCB 6/10/16A on/in prefabricated MS surface/MS cubical control panel board including drilling holes, connections etc. as required | | | | | |
| | 6 ways | 1.00 | each | | | |
| 14 | Installation, testing and commisioing of prewired flurosent/lamps/CFL fittings of all surface type complete with all accessories and tube directly on ceiling/wall as required including connection with PVC insulated | | | | | |
| | 1.5 sq.mm single core cable 1.1 KV grade | 5.00 | each | | | |
| | GRAND TOTAL | | | | | |

FORM OF BID

Notes on Form of Bid:

The Bidder shall fill in and submit this bid form with the Bid. If Bidders do not fill in the Contract Price and does not sign this Bid form, the bids will be rejected..

Dated:

To,
The Chairman,
Dzongkhag Tender Committee,
Dzongkhag Administration,
Bumthang.

We offer to execute the contract for construction of
“.....” in
accordance with the Conditions of Contract accompanying this Bid for the Contract Price of
Nu.....(in figure)
[Nu.....(in words)]

The contract shall be paid in Ngultrums (Nu.)

This Bid and your written acceptance of it shall constitute a binding Contract between us.
We understand that you are not bound to accept the lowest or any Bid you receive.

We hereby confirm that this Bid complies with the Bid validity and Bid Security required by
the bidding documents and specified in the Bidding Data.

Signature of bidder:

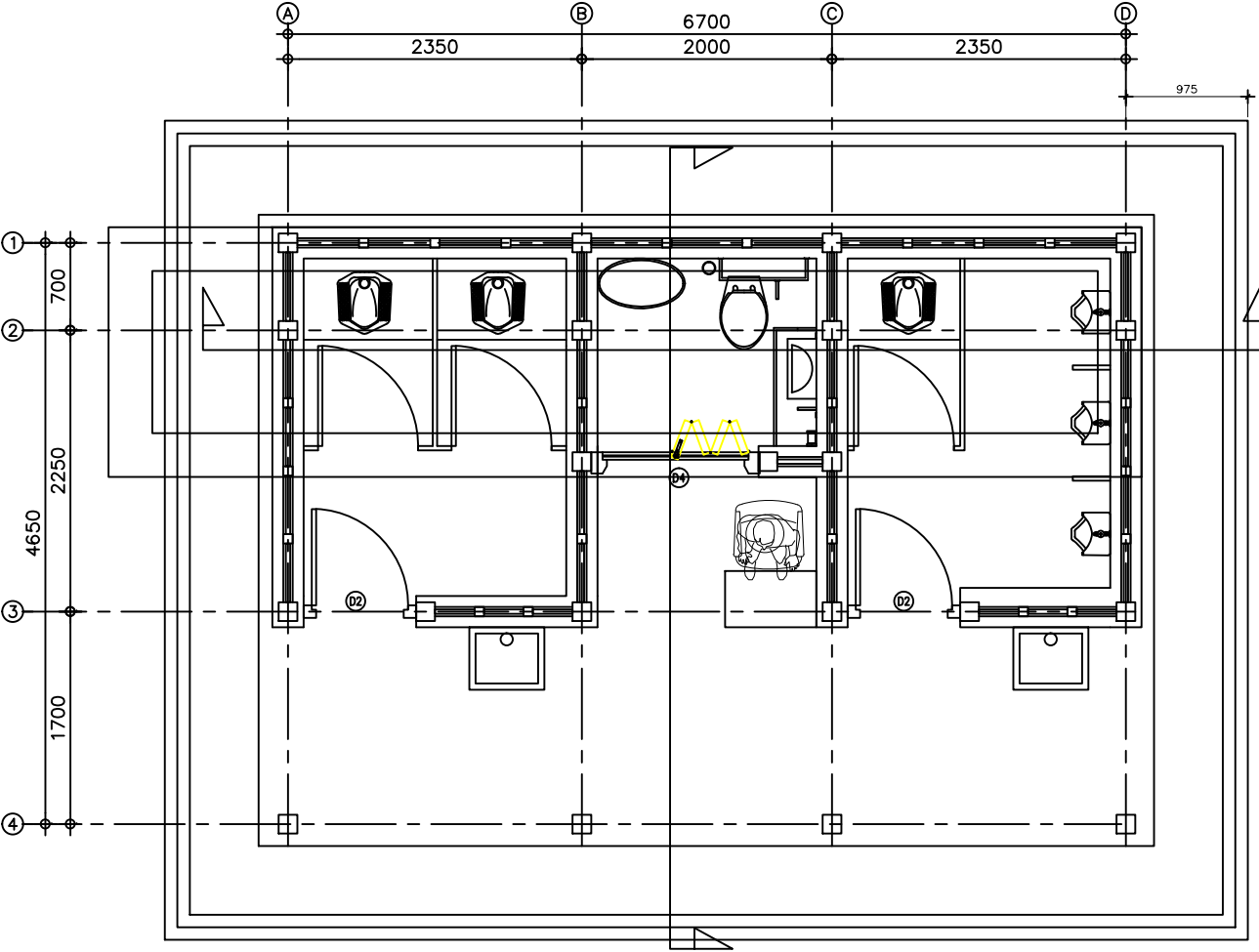
Name of Bidder:

Name of Firm:

Contact No.:

Affix Legal
Stamp &
Signature

RESTROOM 2 CUBICLES



FLOOR PLAN

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PROJECT
RESTROOM DESIGN

DRAWING TITLE
FLOOR PLAN

NOTES:
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ARCHITECT :
CHECHONG LHAMO

ENGINEER :
DORJI WANGDI

CHECKED BY:
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APPROVED BY:
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ENGINEER :
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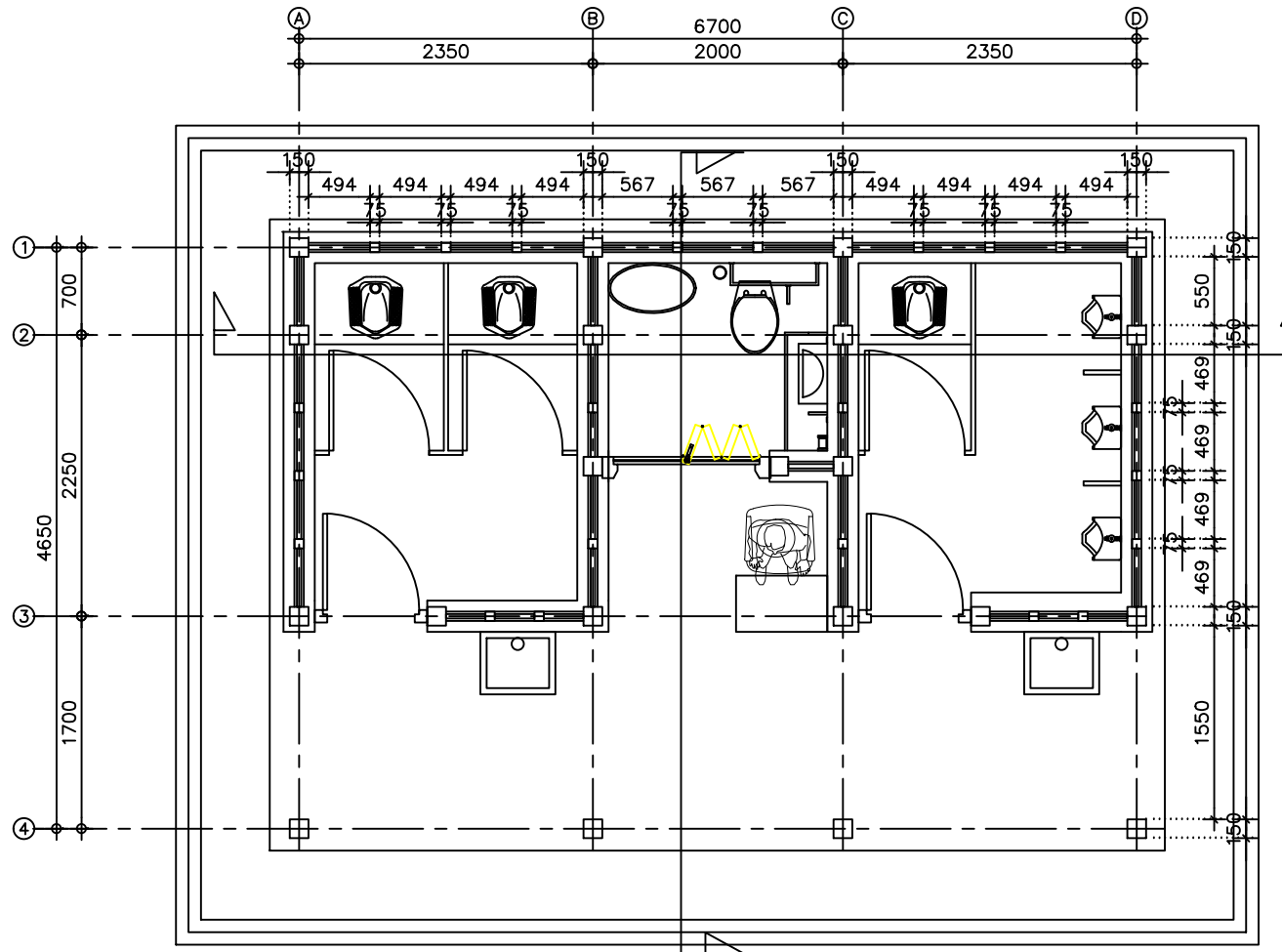
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FLOOR PLAN

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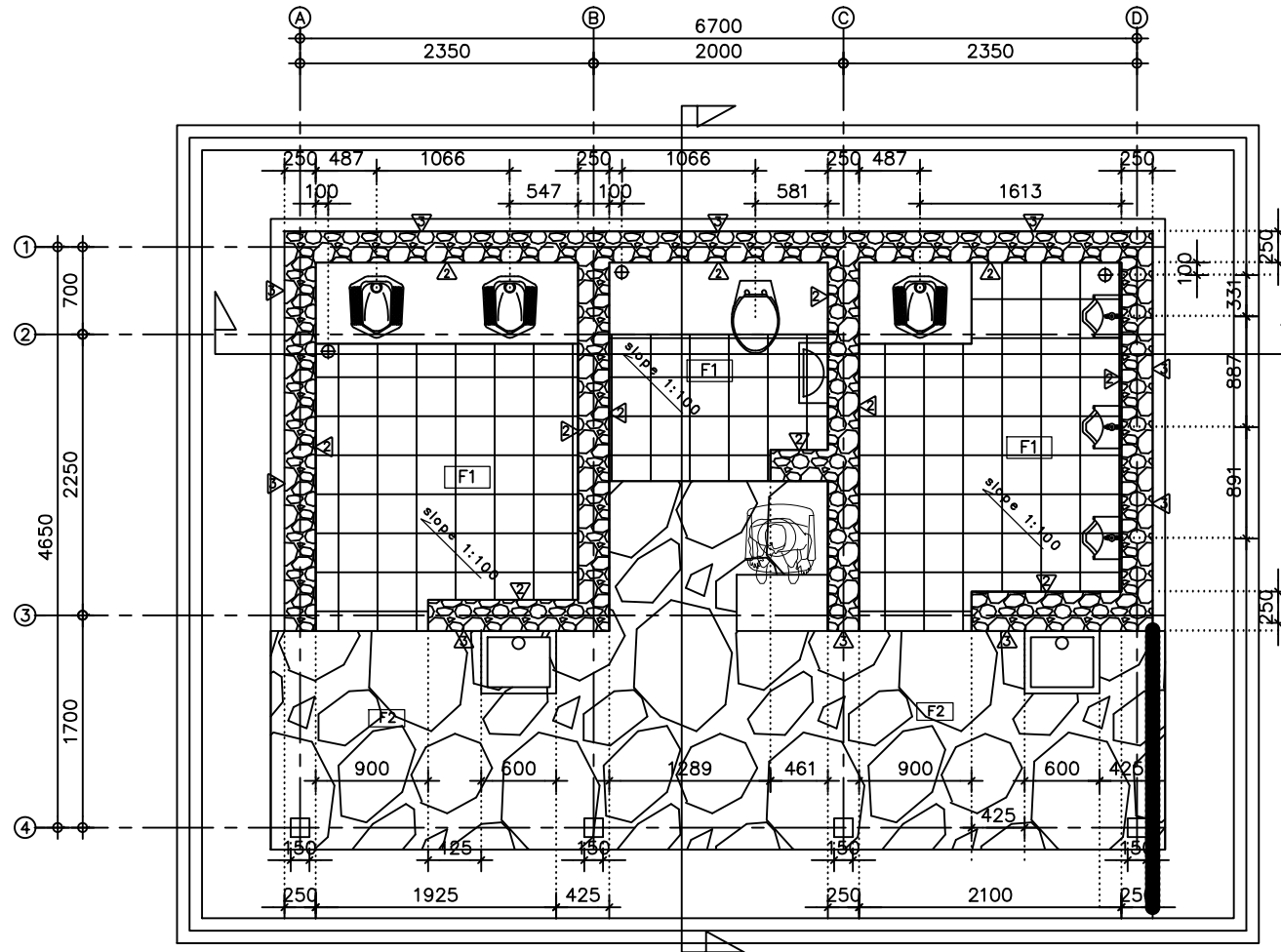
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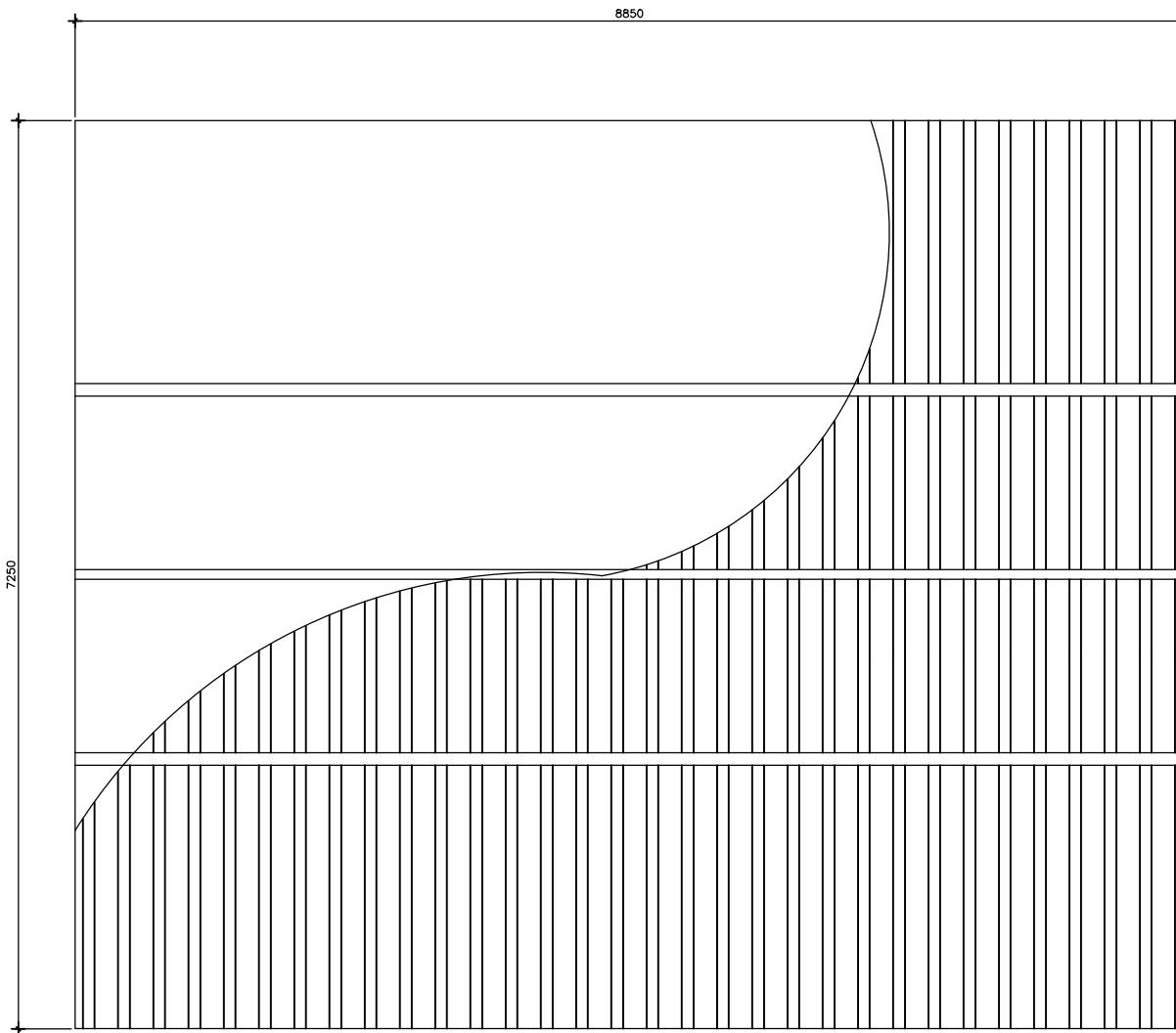
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F1 NON-SLIPED FLOOR TILES (300x300mm) WALL TILES (300x300mm) EXPOSED STONE MASONRY (CRM/RRM)
F2 STONE SLAB (20mm)

FLOOR PLAN



ROOF PLAN



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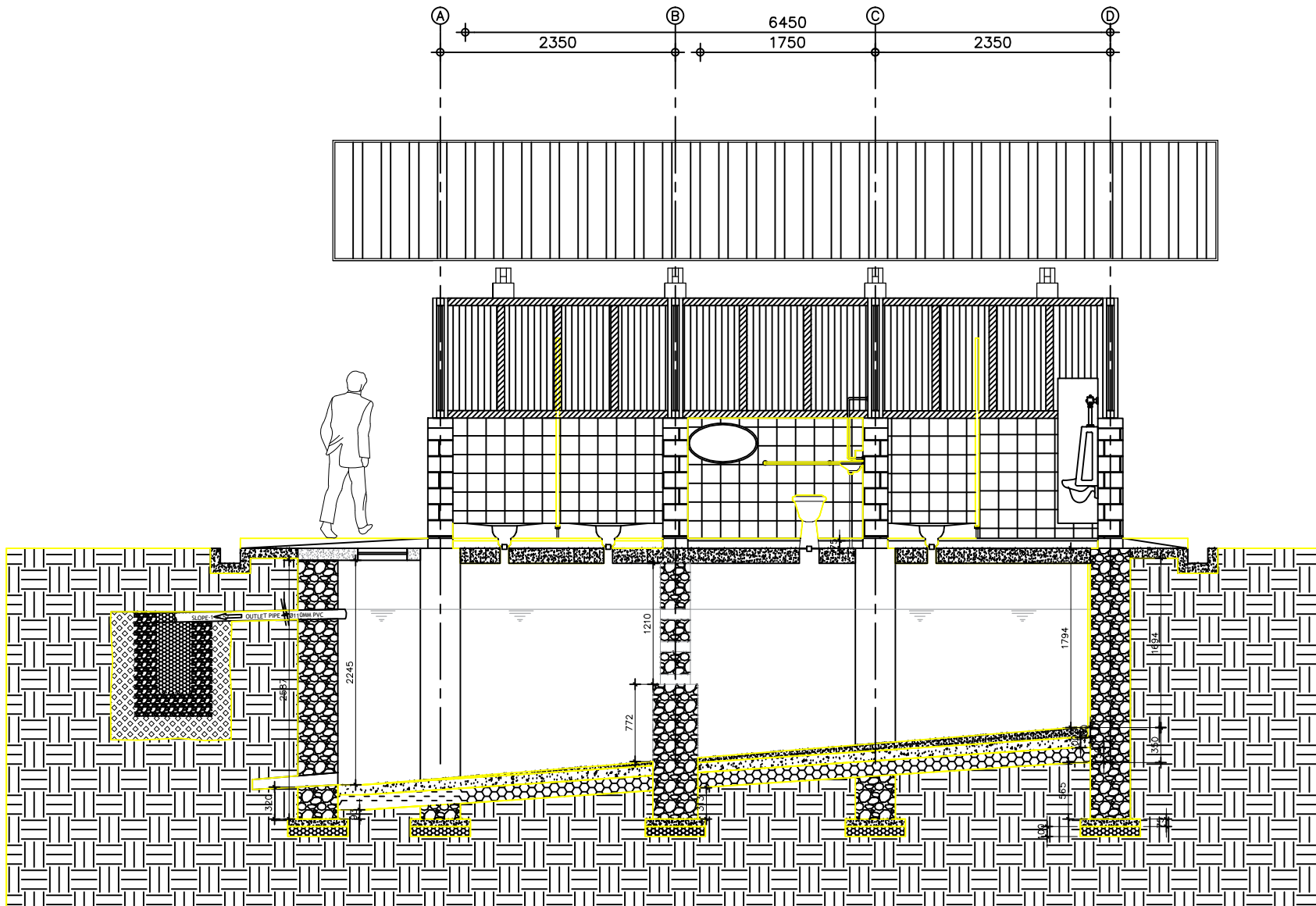
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SECTION A

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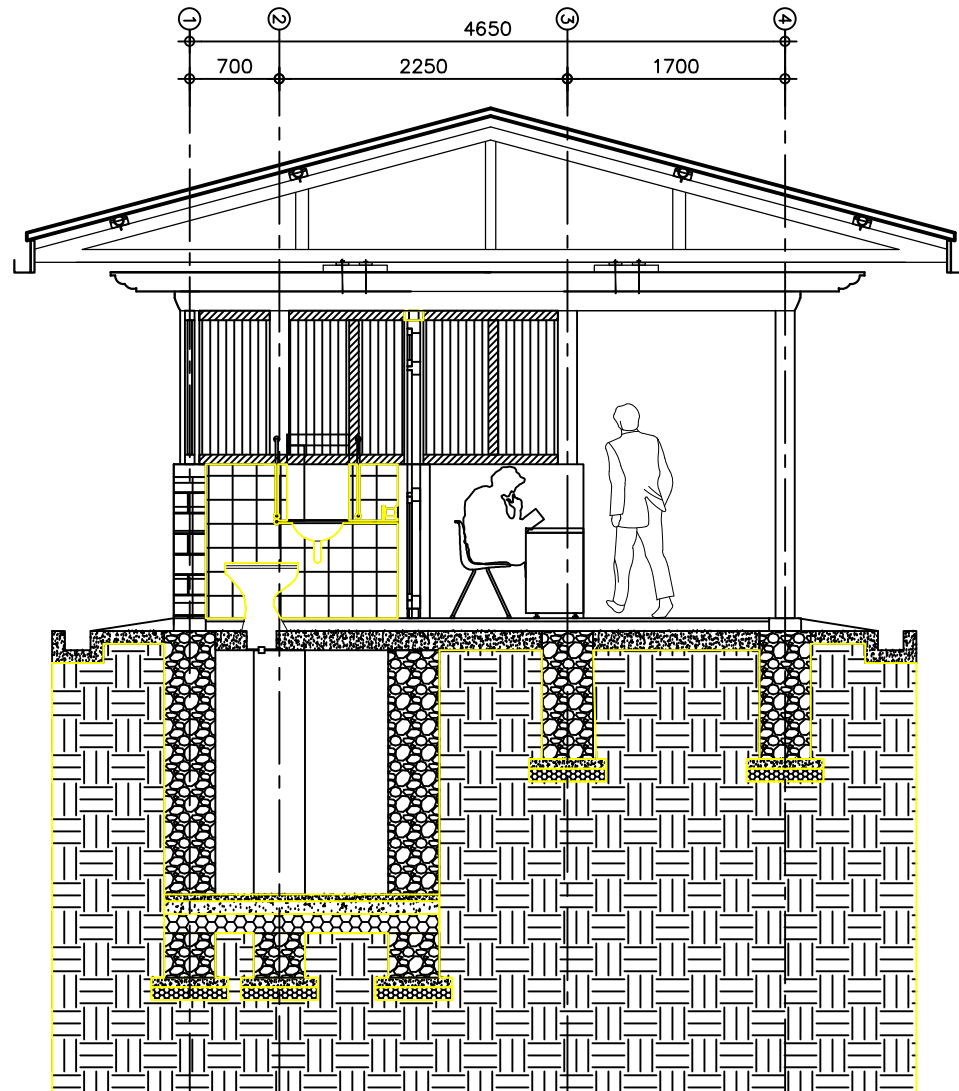
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SECTION B

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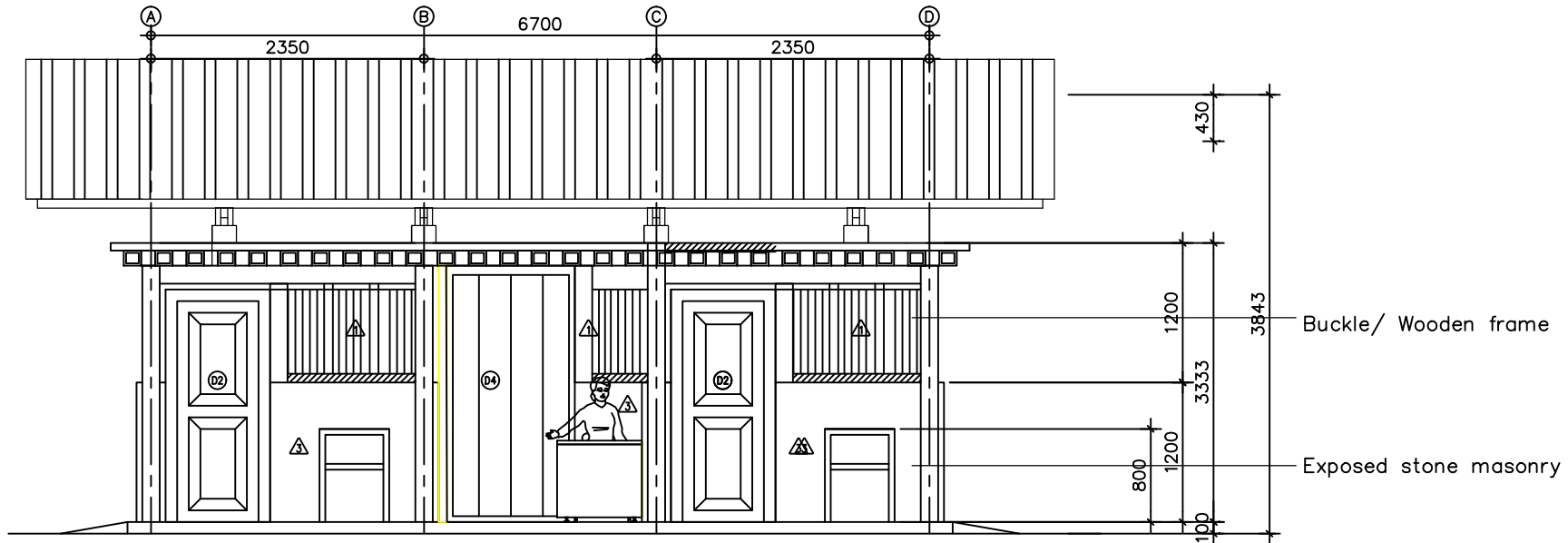
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Front Elevation

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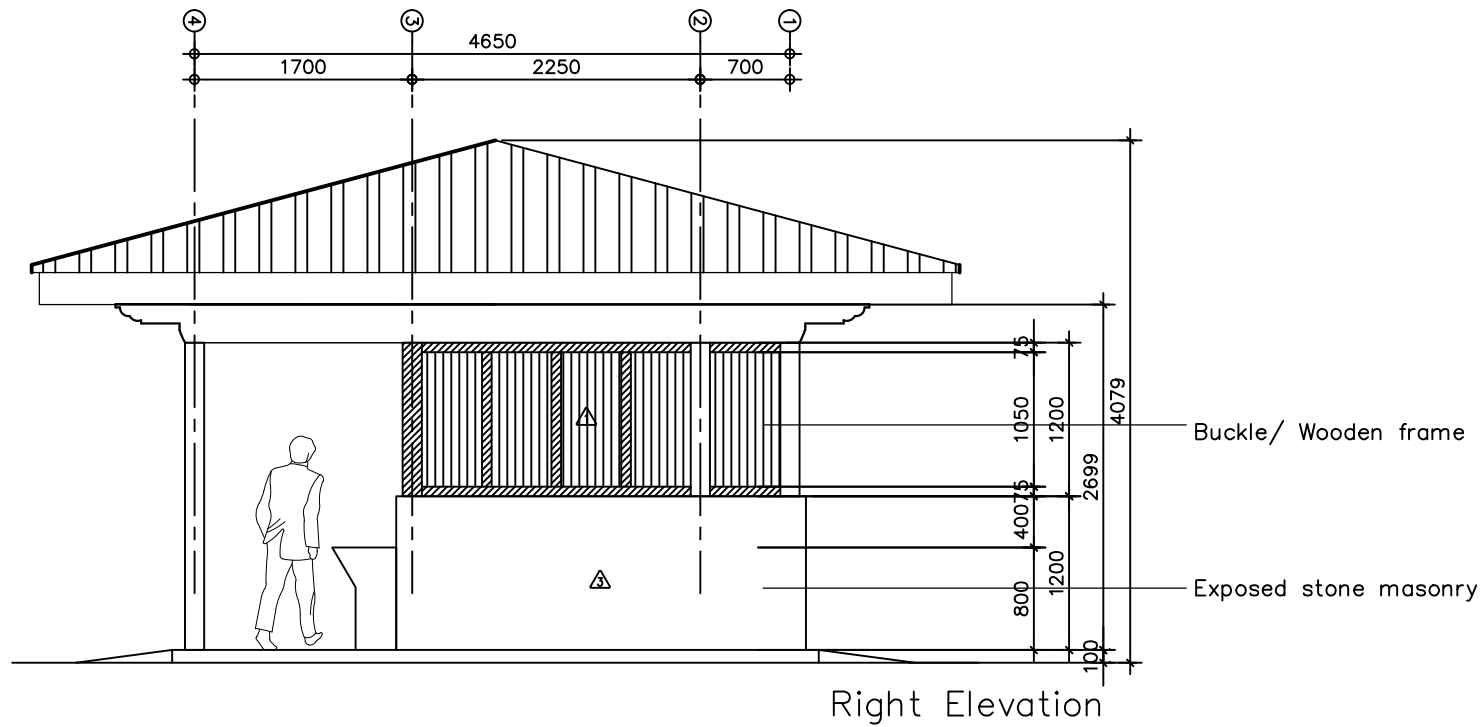
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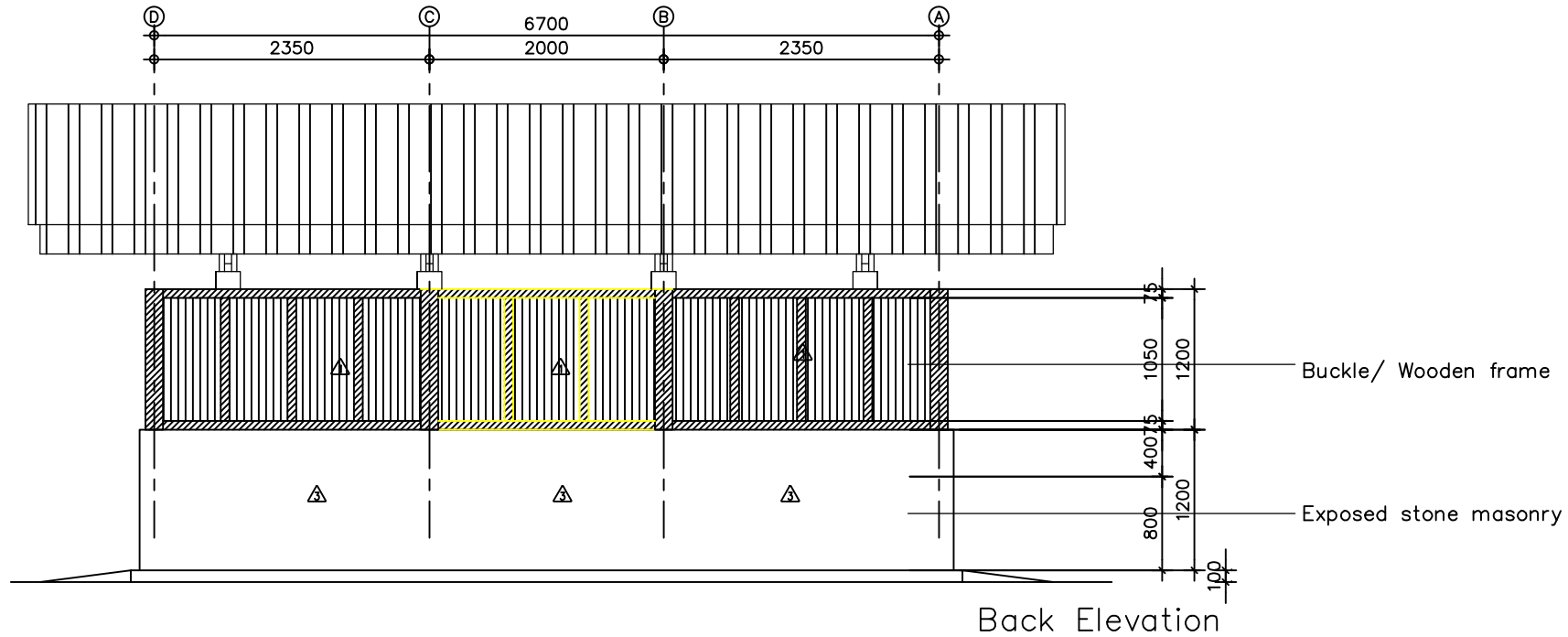
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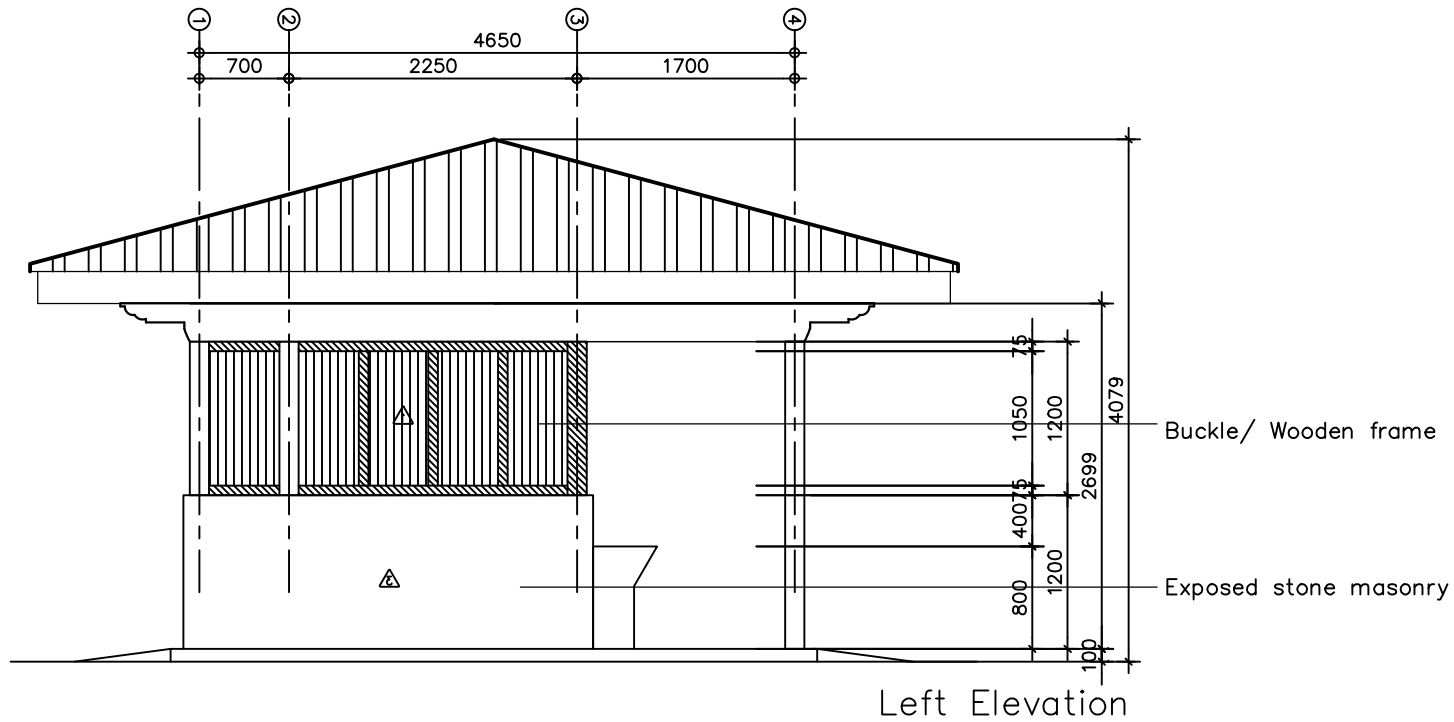
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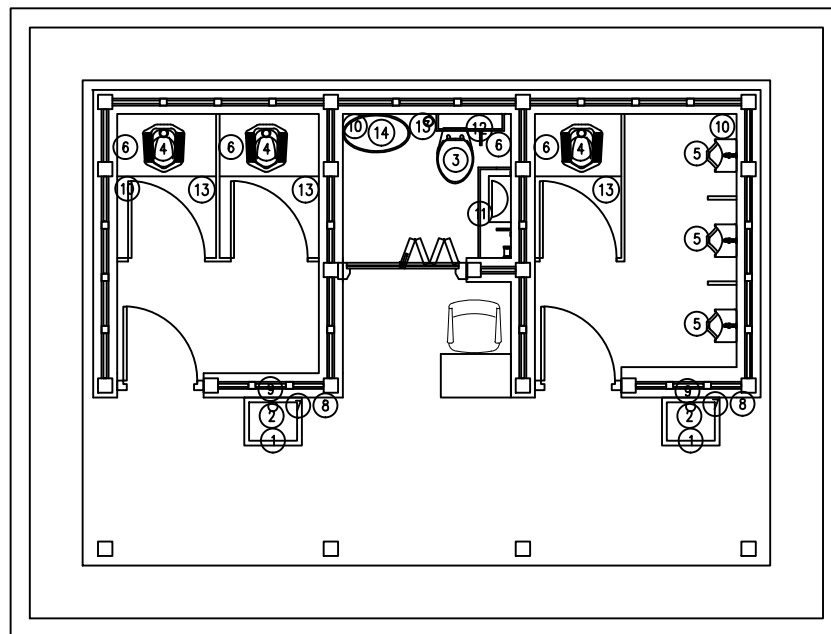
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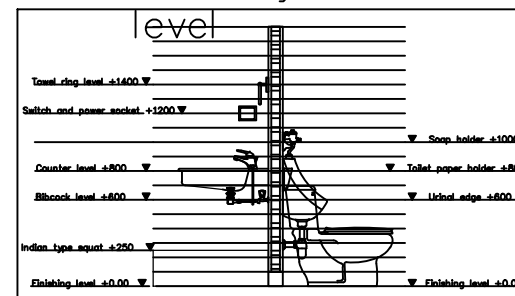
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Sanitary ware



| | SANITARY WARE | DESCRIPTION | QTY. |
|---|---------------------------|-----------------------------------|------|
| ① | WASH BASIN | Fabricated concrete wash basin | 2 |
| ② | WATER TAP + STOP VALVE | — | 2 |
| ③ | FLUSH TOILET + STOP VALVE | EUROPEAN TYPE BUILD-IN WATER TANK | 2 |
| ④ | FLUSH TOILET + STOP VALVE | INDIAN TYPE WITH TANK | 1 |
| ⑤ | URINAL | Push button flush | 3 |
| ⑥ | TOILET PAPER HOLDER | With cover | 4 |
| ⑦ | SOAP HOLDER | — | 2 |

| | SANITARY WARE | DESCRIPTION | QTY. |
|---|---------------------|---------------------|------|
| ⑧ | TOWEL RING | — | 2 |
| ⑨ | MIRROR 0.8m x 1.30m | TIMBER FRAME | 2 |
| ⑩ | FLOOR DRAIN | WITH COVER | 3 |
| ⑪ | DISABLED HANDLE BAR | 500x700 mm | 1 |
| ⑫ | DISABLED HANDLE BAR | U-shape 800x800 mm | 1 |
| ⑬ | Bibcock | — | 1 |
| ⑭ | Baby Changing Table | Foldable 400x700 mm | 1 |

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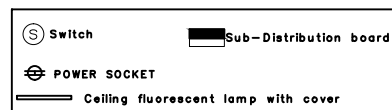
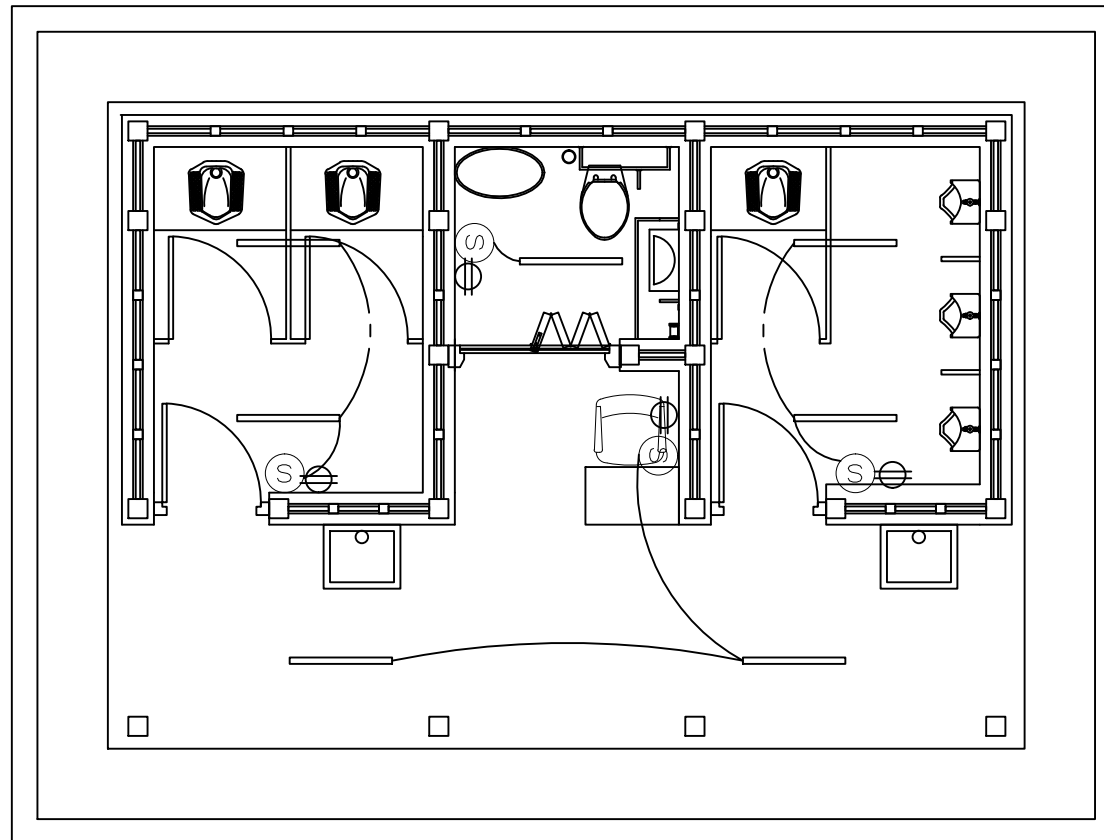
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SCALE:
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DRAWING NO:

A-04



LIGHTING PLAN

TOURISM COUNCIL OF BHUTAN

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TEL.+975 2 323251/323252
FAX:+9752323695
DOT@TOURISM.GOV.BT
WEB: WWW.TOURISM.GOV.BT

PROJECT
RESTROOM DESIGN

DRAWING TITLE

NOTES:

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ARCHITECT :
CHECHONG LHAMO

ENGINEER :
DORJI WANGDI

CHECKED BY:
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APPROVED BY:
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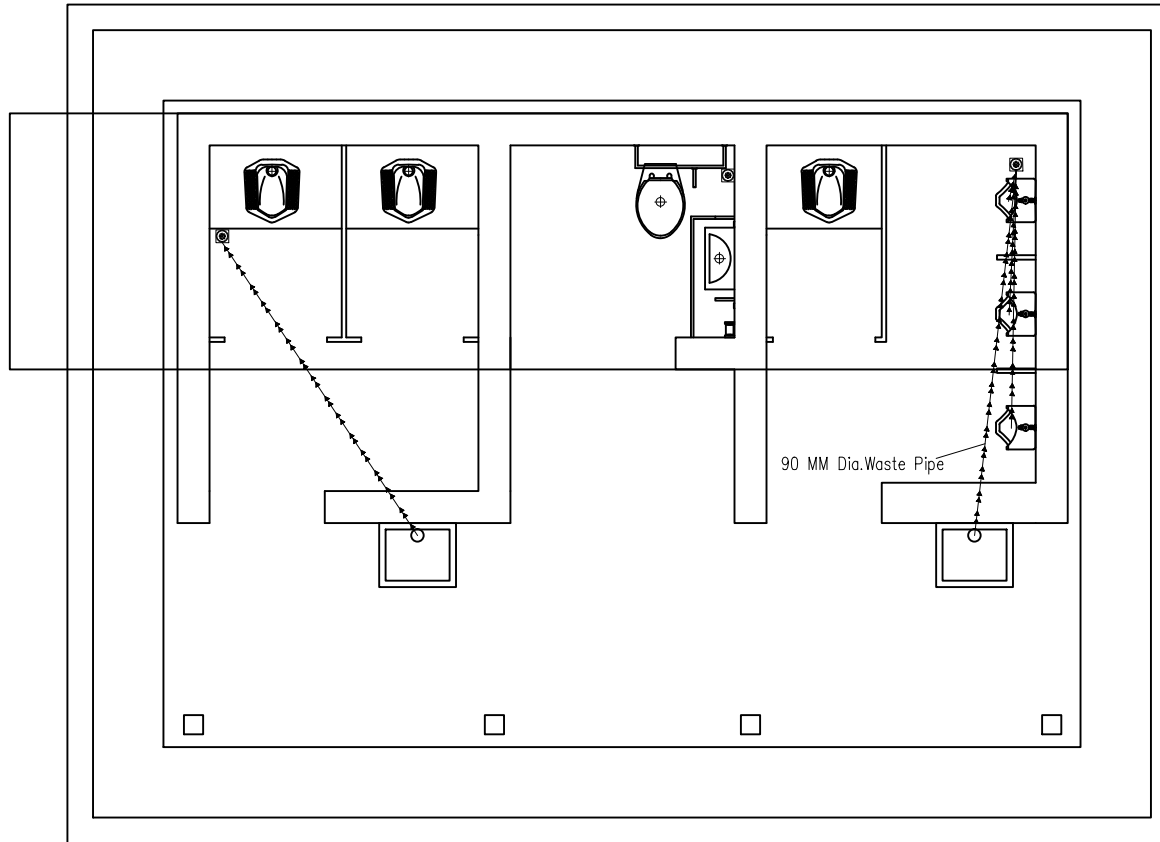
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DRAWING NO:

A-04



LEGEND

- Main Supply Pipe from Water Tank (25mm dia)
- Main Distribution Pipe (20mm dia)
- Distribution Pipe (15mm dia)
- Hot Water Pipe (15mm dia)

NOTES FOR PLUMBING:

1. PIPES SHALL BE GI, MEDIUM DUTY.
3. PROVIDE SEPARATE CONNECTIONS FOR ALL FLOORS
4. ALL INLETS SHALL BE CONTROLLED WITH GATE VALVE AS SHOWN IN SITE PLAN
5. PRESSURE TESTING SHALL BE DONE BEFORE CONCEALING THE PIPES

PLUMBING AND SANITATION PLAN

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PROJECT
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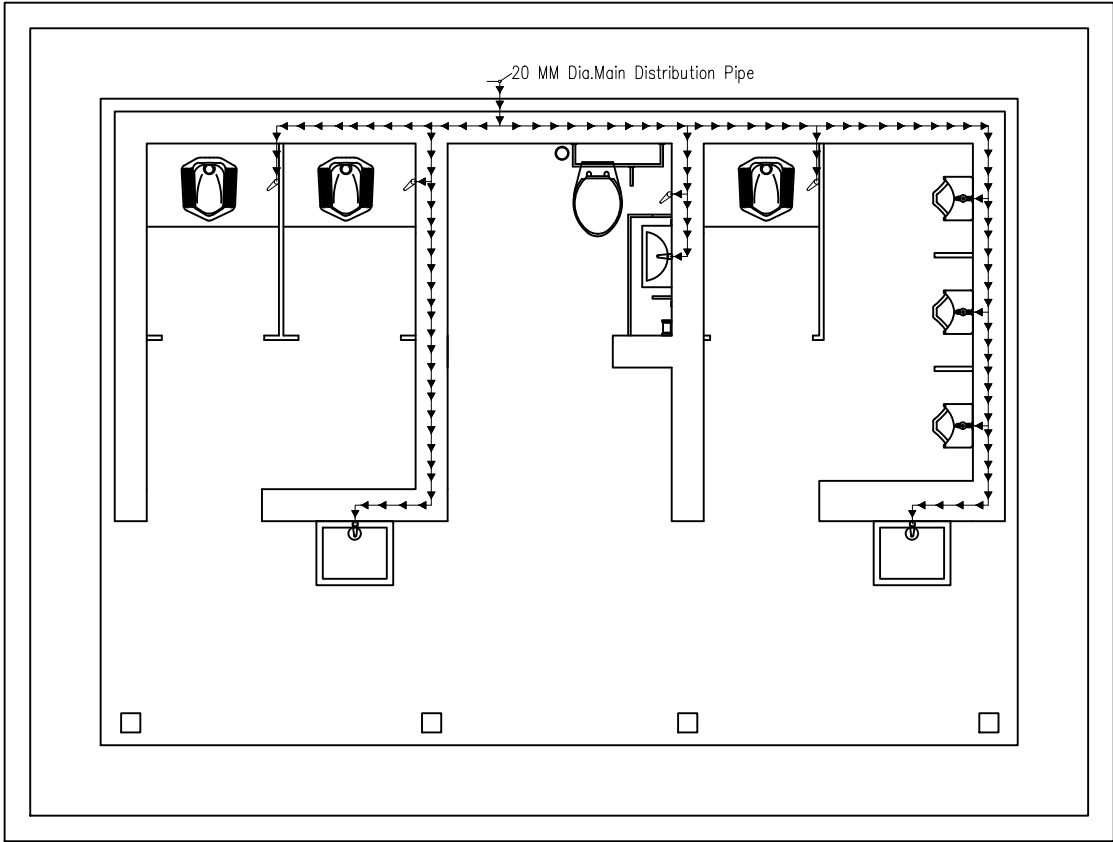
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LEGEND

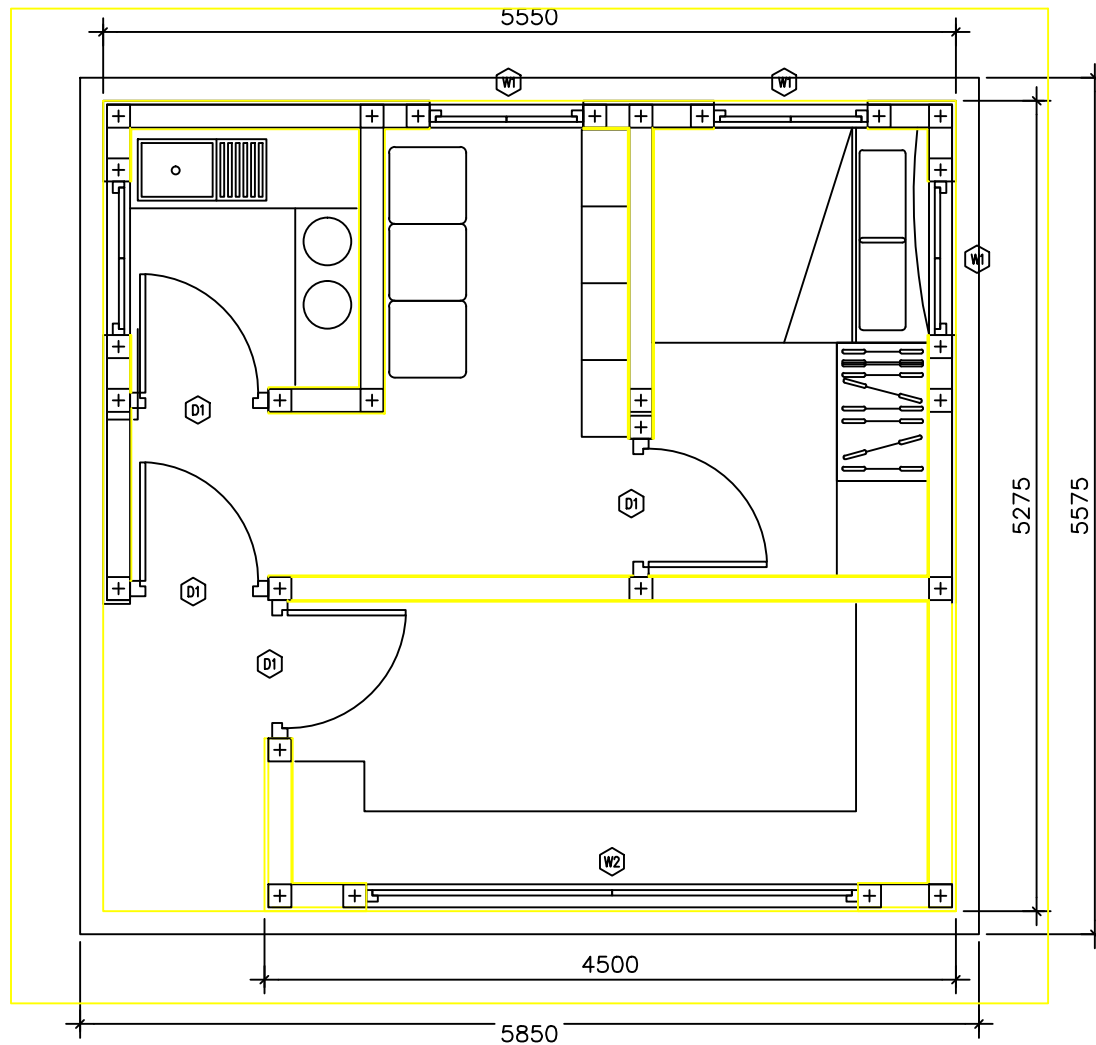
- Main Supply Pipe from Water Tank (25mm dia)
- Main Distribution Pipe (20mm dia)
- >>>> Distribution Pipe (15mm dia)

NOTES FOR PLUMBING:

1. PIPES SHALL BE GI, MEDIUM DUTY.
3. PROVIDE SEPARATE CONNECTIONS FOR ALL FLOORS
4. ALL INLETS SHALL BE CONTROLLED WITH GATE VALVE AS SHOWN IN SITE PLAN
5. PRESSURE TESTING SHALL BE DONE BEFORE CONCEALING THE PIPES

WATER DISTRIBUTION PLAN

CARETAKER HOUSE + SHOP



FLOOR PLAN

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PROJECT
CARETAKER HOUSE+SHOP

DRAWING TITLE
FLOOR PLAN

NOTES:
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ARCHITECT :
CHECHONG LHAMO

ENGINEER :
DORJI WANGDI

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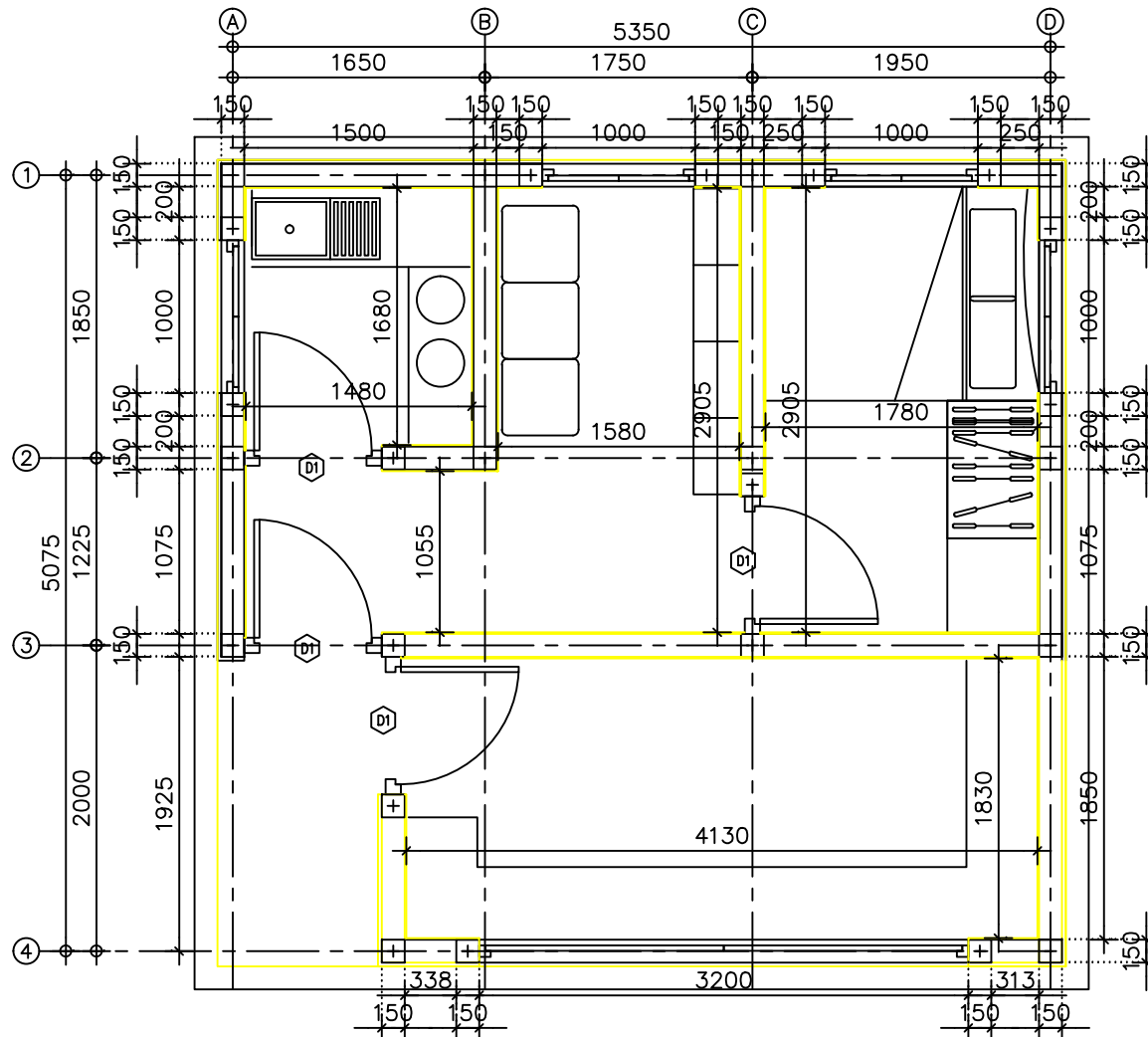
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FLOOR PLAN

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PROJECT
CARETAKER HOUSE+SHOP

DRAWING TITLE
ROOF PLAN

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ARCHITECT :
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ENGINEER :
DORJI WANGDI

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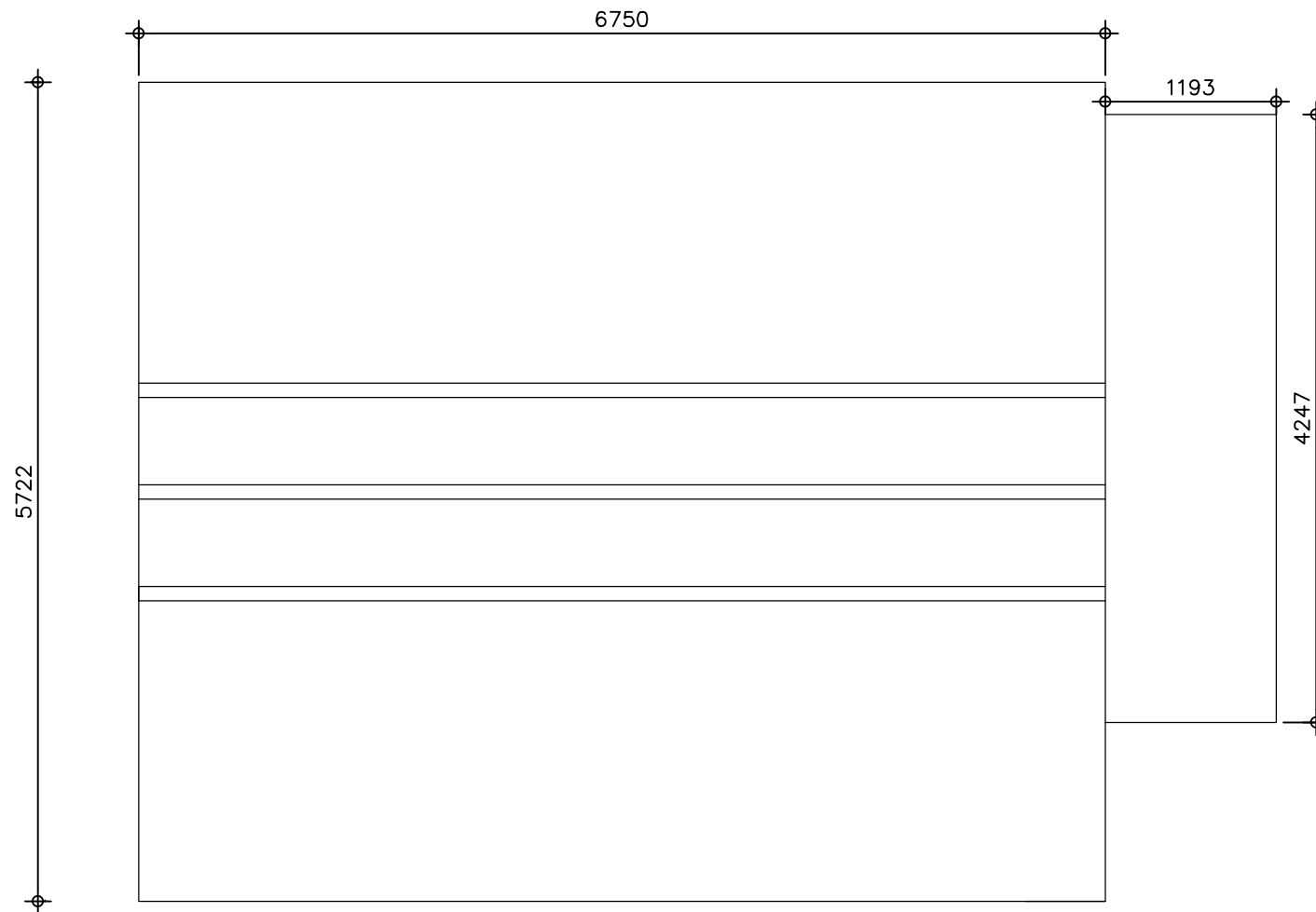
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ROOF PLAN

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PROJECT
CARETAKER HOUSE+SHOP

DRAWING TITLE
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ARCHITECT :
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ENGINEER :
DORJI WANGDI

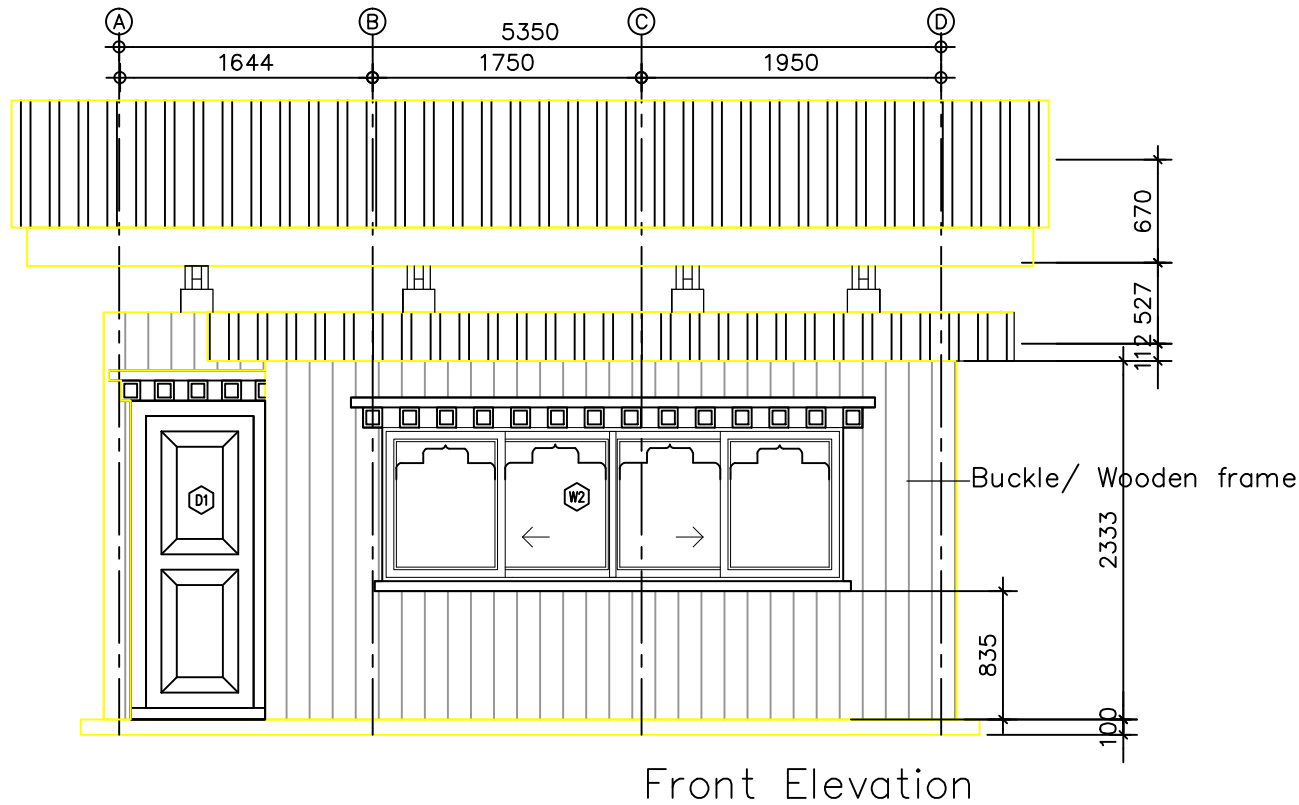
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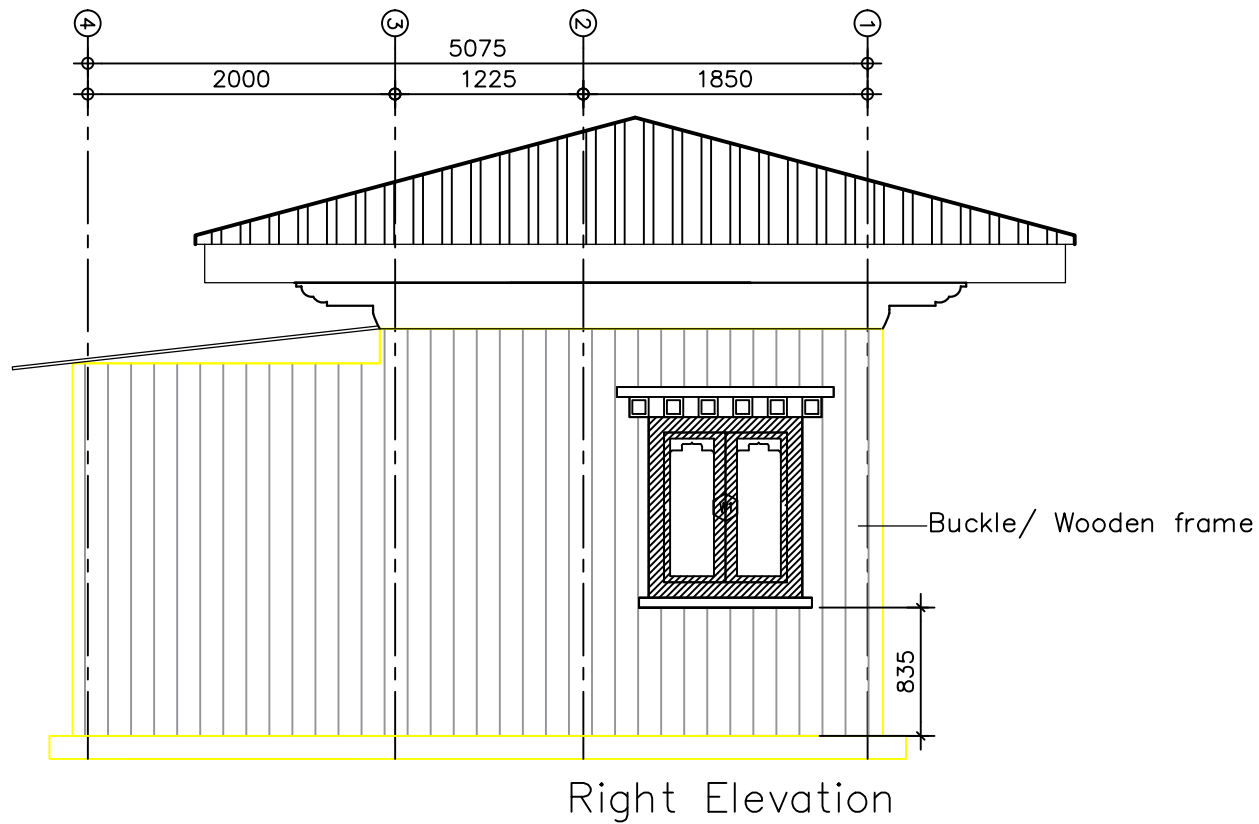
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PROJECT
CARETAKER HOUSE+SHOP

DRAWING TITLE
FLOOR PLAN

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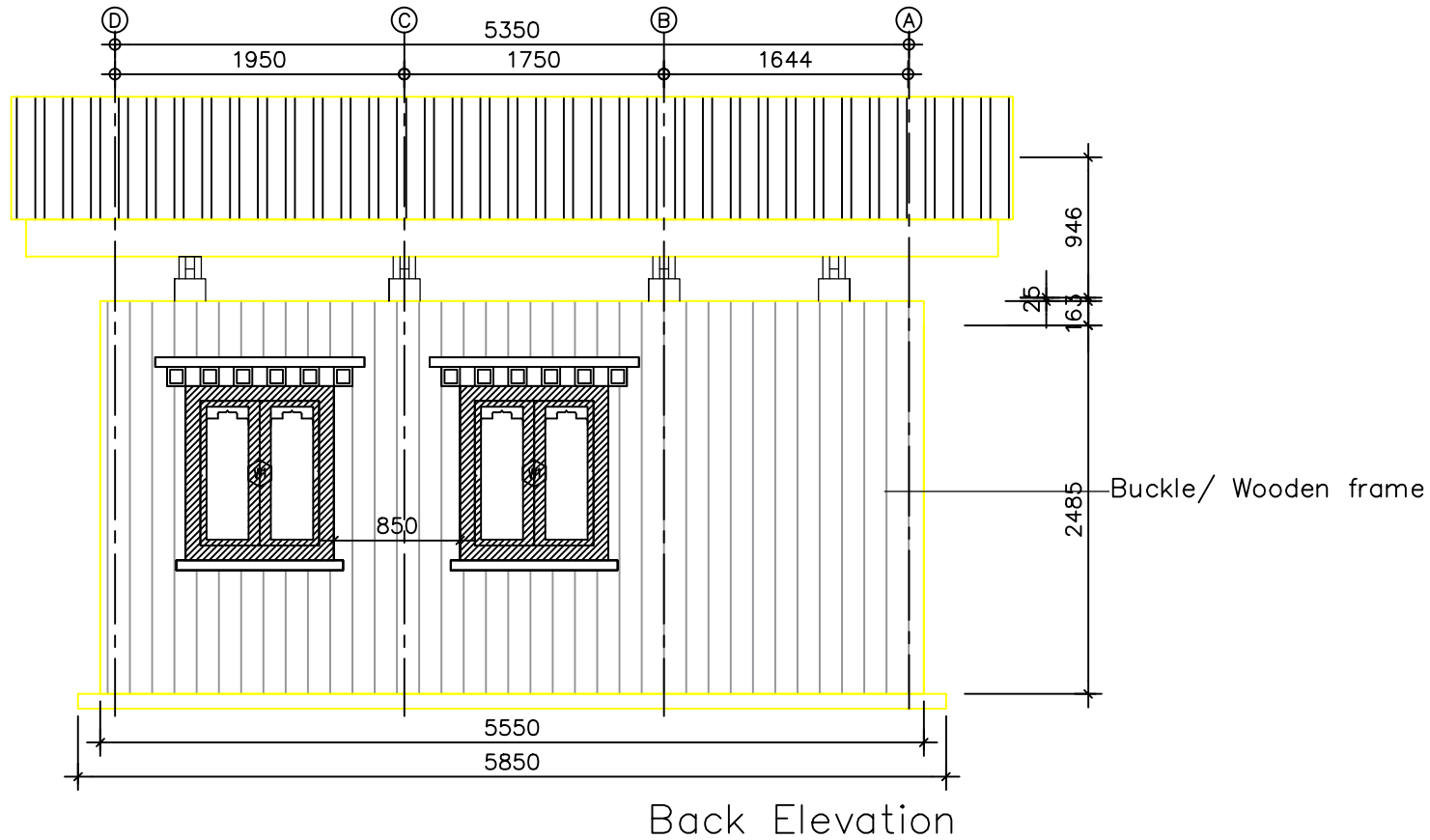
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PROJECT
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DRAWING TITLE
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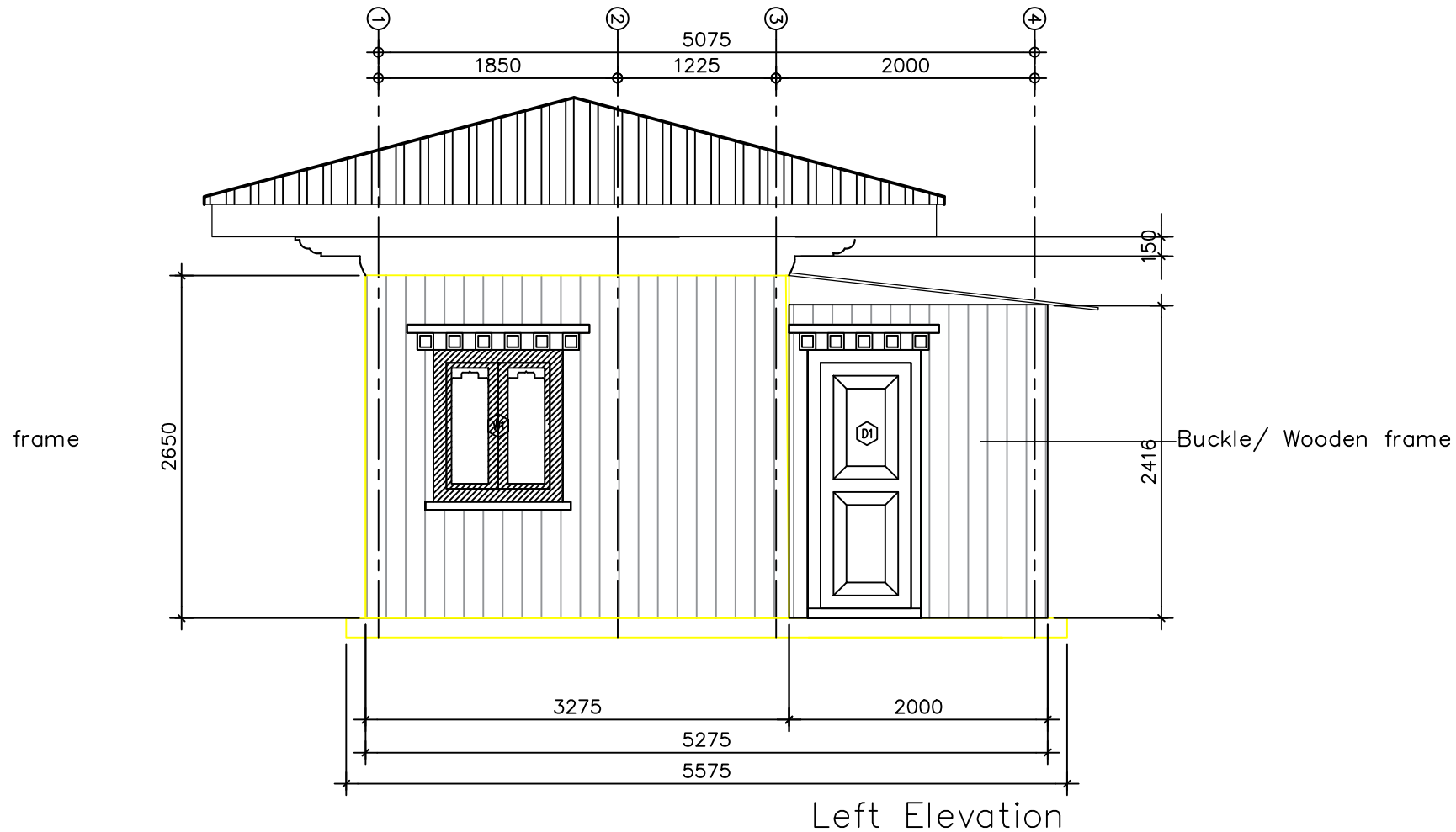
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PROJECT
CARETAKER HOUSE+SHOP

DRAWING TITLE
SECTION

NOTES:
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ARCHITECT :
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ENGINEER :
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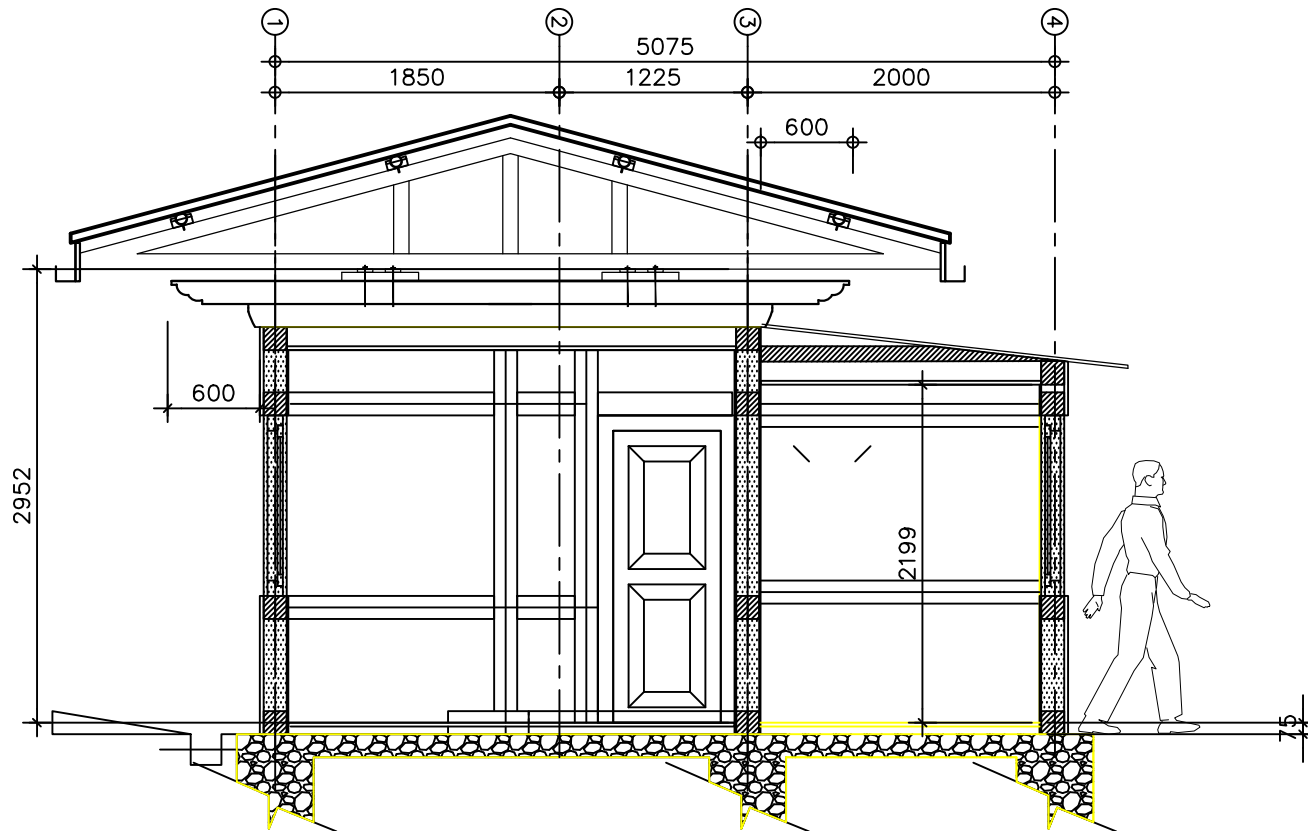
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SECTION A

e/ Wooden frame

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PROJECT
CARETAKER HOUSE+SHOP

DRAWING TITLE
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NOTES:
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ARCHITECT :
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ENGINEER :
DORJI WANGDI

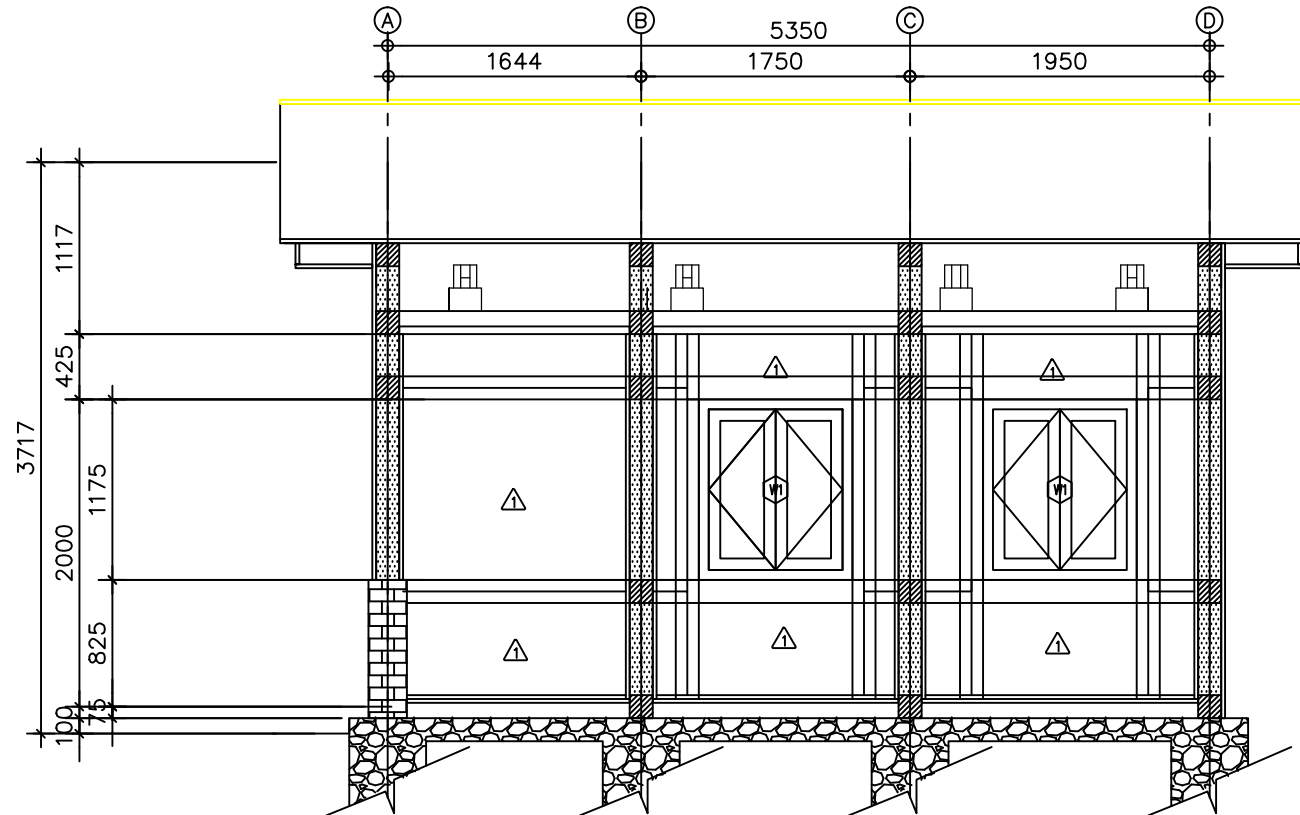
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DRAWING NO:
A-04



SECTION B

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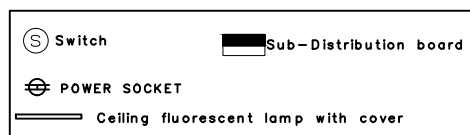
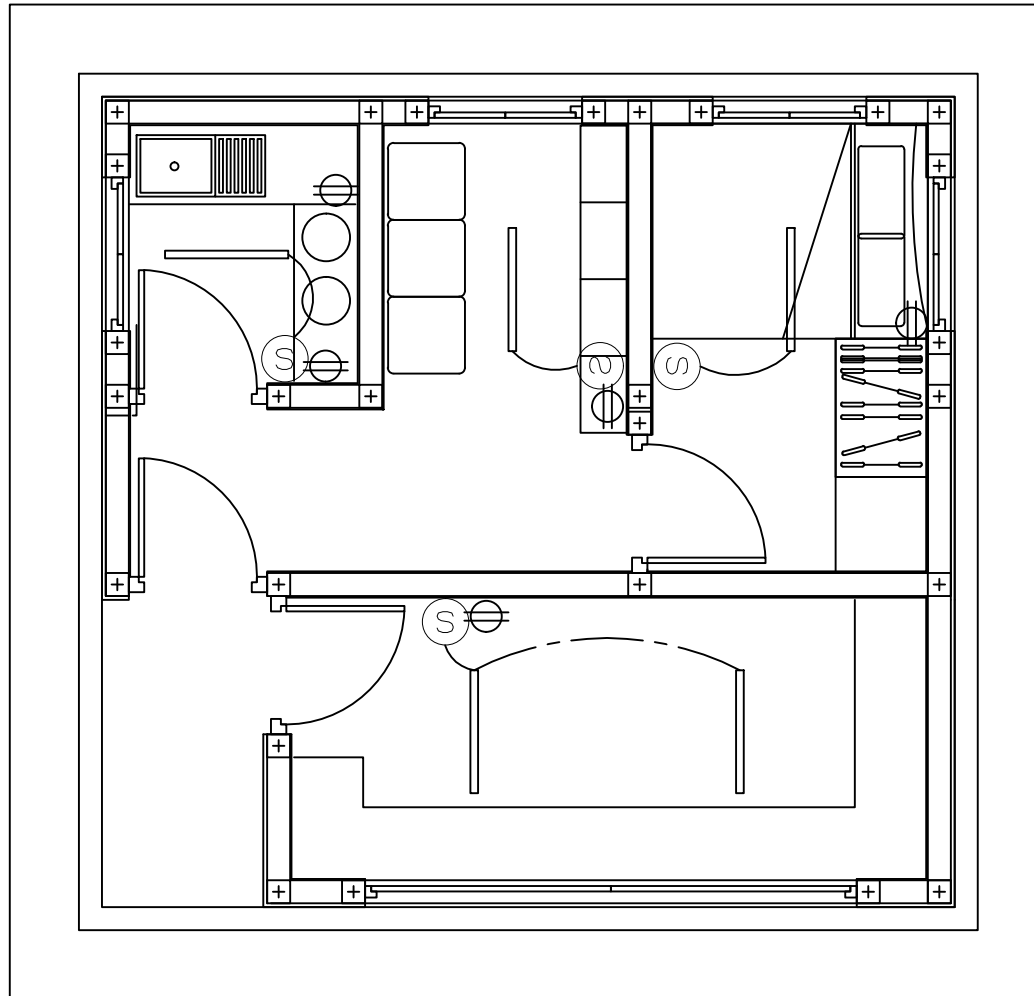
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LIGHTING PLAN

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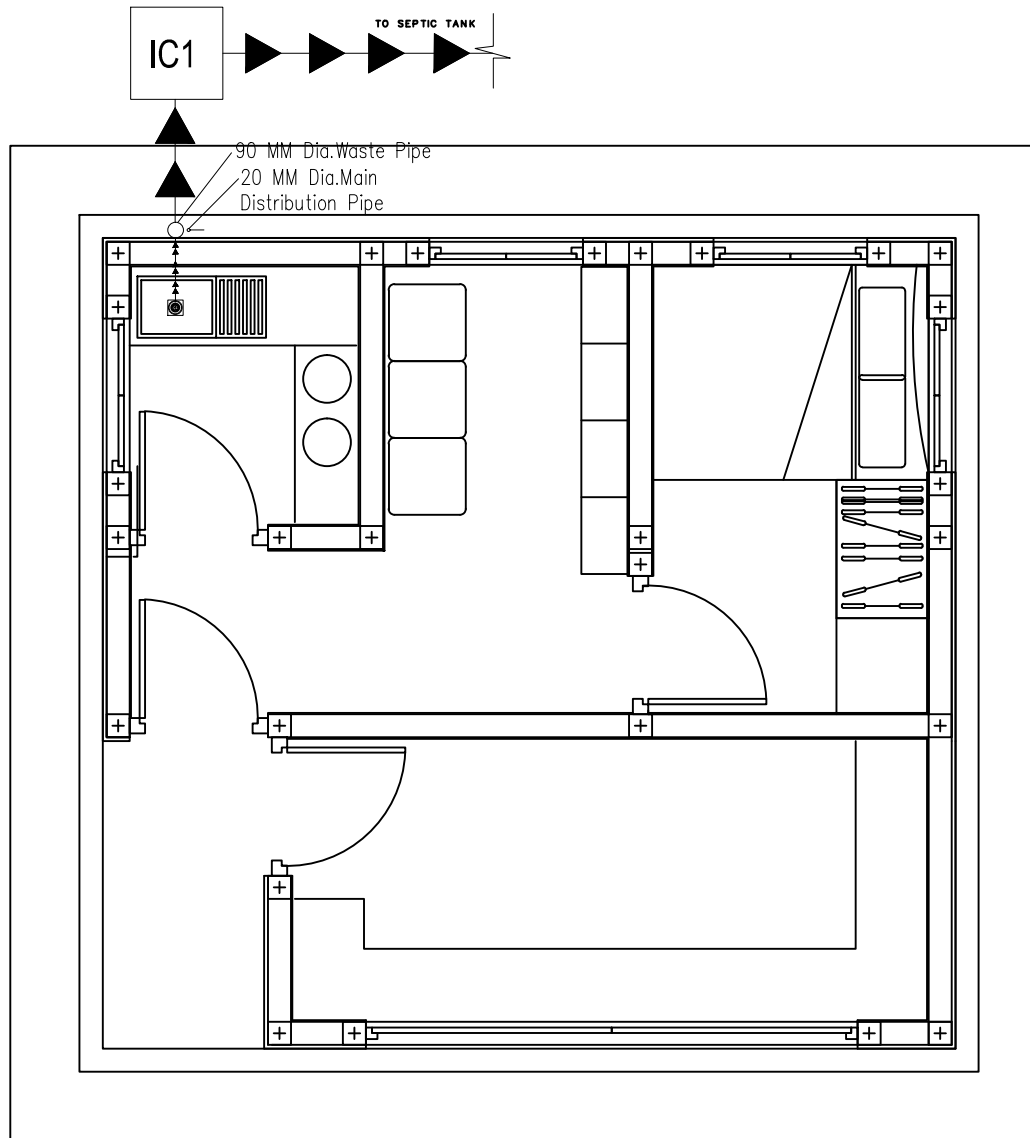
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DRAWING NO:
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PLUMBING AND SANITATION PLAN

LEGEND

- Main Supply Pipe from Water Tank (25mm dia)
- Main Distribution Pipe (20mm dia)
- Distribution Pipe (15mm dia)
- Hot Water Pipe (15mm dia)

NOTES FOR PLUMBING:

1. PIPES SHALL BE GI, MEDIUM DUTY.
3. PROVIDE SEPARATE CONNECTIONS FOR ALL FLOORS
4. ALL INLETS SHALL BE CONTROLLED WITH GATE VALVE AS SHOWN IN SITE PLAN
5. PRESSURE TESTING SHALL BE DONE BEFORE CONCEALING THE PIPES

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PROJECT
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FLOOR PLAN

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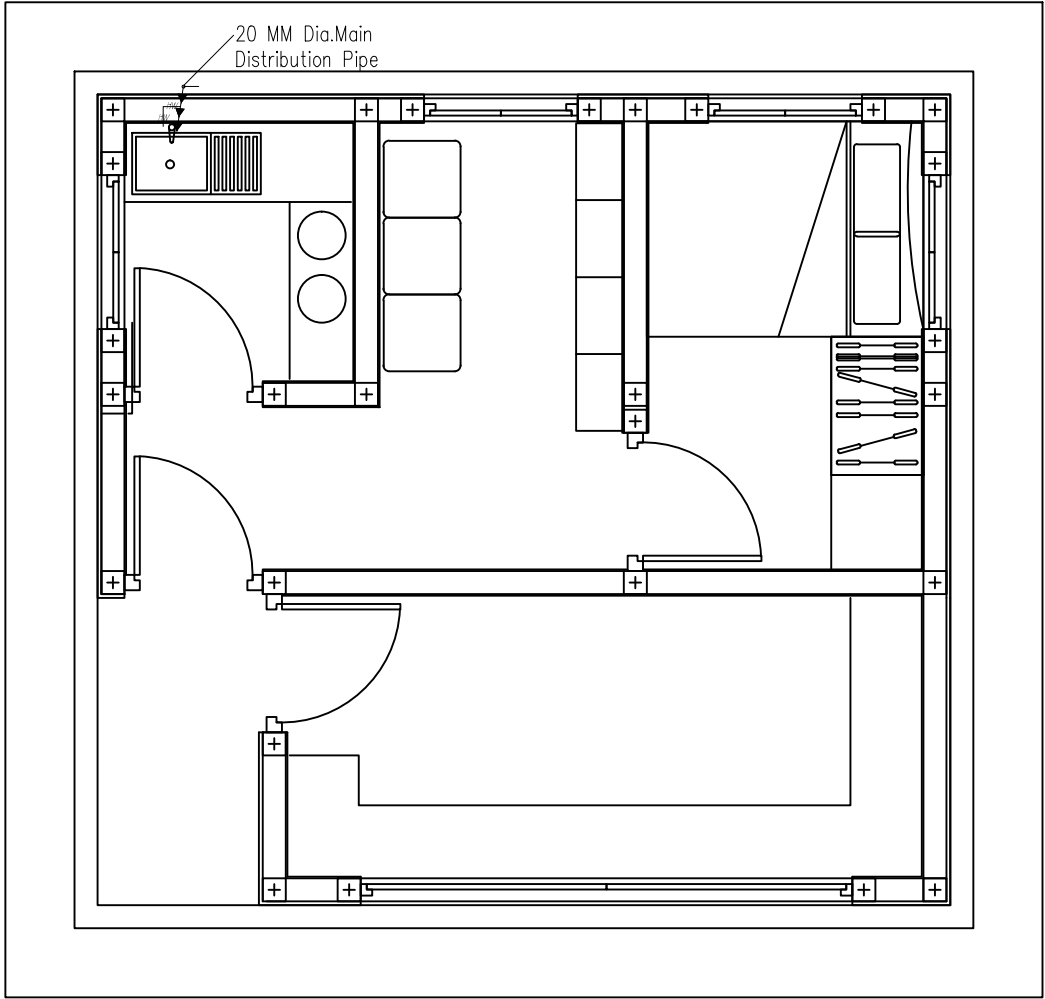
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DRAWING NO:
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LEGEND

- Main Supply Pipe from Water Tank (25mm dia)
- Main Distribution Pipe (20mm dia)
- >>>> Distribution Pipe (15mm dia)
- HW — HW — Hot Water Pipe (15mm dia)

- NOTES FOR PLUMBING:**
1. PIPES SHALL BE GI, MEDIUM DUTY.
 3. PROVIDE SEPARATE CONNECTIONS FOR ALL FLOORS
 4. ALL INLETS SHALL BE CONTROLLED WITH GATE VALVE AS SHOWN IN SITE PLAN
 5. PRESSURE TESTING SHALL BE DONE BEFORE CONCEALING THE PIPES

WATER DISTRIBUTION PLAN