

BILL OF QUANTITIES

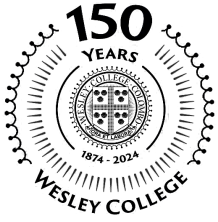


PROPOSED ALTERATIONS TO PAVILLION

AT

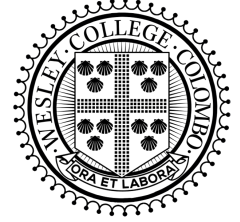
WESLEY COLLEGE

COLOMBO 09



INVITATION FOR BIDS

RESTORATION OF WESLEY COLLEGE PAVILION



Wesley College, a Premier School in Sri Lanka will be celebrating its sesquicentennial in March 2024.

The College Administration along with the Old Boys Union, has planned a comprehensive list of programs including the restoration of the Wesley Pavilion, a 120-year heritage building.

We invite bids from experienced civil contractors with the following eligibility criteria, to submit competitive bids in compliance with the BOQ and conditions as detailed in the Bid Document,

- A) Minimum Five years' experience in the field of Civil Construction.
- B) Past experience of successfully completing projects with a contract value of a Minimum Rs 70,000,000/- within the last five years supported by documentary evidence.
- C) Relevant ICTAD Grading will be an advantage.

A complete set of bidding documents can be purchased from the Wesley College Office between the hours of 8 am and 12 noon, from the **18th August to the 26th September 2023**, on submission of a Non-refundable deposit of Rs 5,000/- made to the account set out below along with a written application.

Name of Account - WESLEY COLLEGE OBU - PAVILION ACCOUNT
Account Number - 200150113092
Name of Bank - Nations Trust Bank - Borella Branch; Swift: NTBCLKLX

A pre-bid meeting followed by a site visit will be held at **2.30pm on 7th September 2023**, at the Wesley College Pavilion, Campbell Park.

All bids must be accompanied by a bid security as set out in the bidding document.

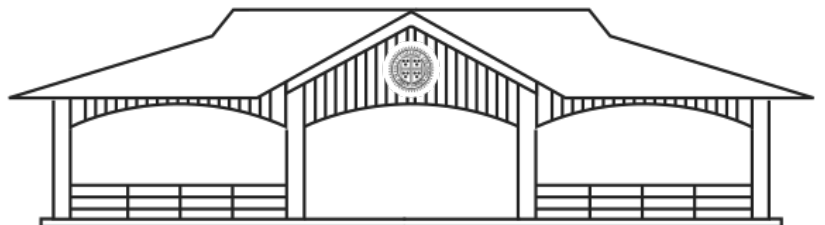
Bids shall be in duplicate and addressed to the Chairman-Contracts Committee, Wesley College Restoration Project and deposited in the Tender Box located in the Wesley College Office on or before **2 pm on 27th September 2023**.

Bids will be opened in the Wesley College Board Room at **2.15 pm on the same day**. Late Bids will be rejected.

Bidders may also view the bidding documents on our website www.wesleycollege.lk

Interested bidders may also email shehans77@yahoo.com or call 0777727127 for further clarification.

Chairman - Contracts Committee
Wesley College OBU
C/O Wesley College
Colombo 8



Section - 2

STANDARD FORMS [CONTRACT]

- *Letter of Acceptance*
- *Agreement*
- *Performance Security*
- *Advance Payment Security*
- *Retention Money Guarantee*

Note :

The bidders are advised to use the information printed in blue in this volume as a check list when submitting the bid. However, it is the responsibility of the bidders to comply with all the requirements given in the bidding document. Failure to non compliance with any of them may be a reason for rejection of the bid.

Notes on Standard Forms:

- *Bidders shall submit the completed Form of Bid Security/Bid Securing Declaration as appropriate in compliance with the requirements of the bidding documents.*
- *Bidders should not complete the Form of Agreement at the time of preparation of bids.*
- *The successful bidder will be required to sign the Form of Agreement, after the award of contract.*
- *Any corrections or modifications to the accepted bid resulting from arithmetic corrections, acceptable deviations, or quantity variations in accordance with the requirements of the bidding documents should be incorporated into the Agreement.*
- *The Form of Performance Security, Form of Advance Payment Security and Form of Retention Money Guarantee should not be completed by the bidders at the time of submission of bids.*
- *The successful bidder will be required to provide these securities in compliance with the requirements herein or as acceptable to the Employer.*

Notes on Form of Letter of Acceptance

The Letter of Acceptance will be the basis for formation of the Contract as described in Clause 33 of the Instructions to Bidders. This Form of Letter of Acceptance should be filled in and sent to the successful bidder only after evaluation of Bids and after obtaining approval from the relevant authority.

FORM OF LETTER OF ACCEPTANCE

[Letter heading paper of the procuring entity]

----- [date]

To: -----
 [name and address of the Contractor]

This is to notify you that your bid dated ----- [insert date] for the construction and remedying defects of the ----- [name of the Contract and identification number] for the Contract price of ----- [name of currency¹] ----- [amount in figures and words] as corrected in accordance with Instructions to Bidders and / or modified by a Memorandum of Understanding², is hereby accepted.

The adjudicator shall be ----- [name and address of the Adjudicator, if agreed] / shall be appointed by the Institute for Construction Training and Development (ICTAD)³.

You are hereby instructed to proceed with the execution of the said Works in accordance with the Contract documents.

The Start Date shall be: ----- (fill the date as per Conditions of Contract).

The amount of Performance Security is : ----- (fill as per Conditions of Contract).

The Performance Security shall be submitted on or before ----- (fill the date as per Conditions of Contract).

Authorized Signature : -----

Name and title of Signatory : -----

Name of Agency : -----

¹ If multiple currencies are involved indicate amounts under each currency separated with the word 'and' between them

² Delete "corrected in accordance with ITB and/or " or "and/or modified by a Memorandum of Understanding", if not applicable

³ Delete whichever inapplicable or delete both if not applicable

STANDARD FORM: AGREEMENT

This AGREEMENT, made the -----[day] day of -----[month] 20----- [year] between -----[name and address of Employer] (hereinafter called "the Employer") of the one part, and ----- [name and address of Contractor] (hereinafter called "the Contractor") of the other part.

WHEREAS the Employer desires that the Contractor execute -----[name and identification number of Contract] (hereinafter called "the Works") and the Employer has accepted the Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

In Witness whereof the parties thereto have caused this Agreement to be executed the day and year aforementioned, in accordance with laws of Sri Lanka.

.....
 Authorized signature of Contractor

.....
 Authorized signature of Employer

COMMON SEAL



COMMON SEAL

In the presence of:

Witnesses :

1. Name and NIC No.
 Signature
 Address
2. Name and NIC No.
 Signature
 Address

FORM OF PERFORMANCE SECURITY (Unconditional)

----- [Issuing Agency's Name, and Address of Issuing Branch or Office]

Beneficiary: ----- [Name and Address of Employer]

Date: -----

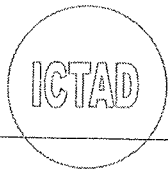
PERFORMANCE GUARANTEE No.: -----

We have been informed that ----- [name of Contractor] (hereinafter called "the Contractor") has entered into Contract No. ----- [reference number of the contract] dated ----- with you, for the ----- [insert "construction"] of ----- [name of contract and brief description of Works] (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Contractor, we ----- [name of Agency] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- [amount in figures] ----- [amount in words], upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the day of ----- 20---- [insert date, 28 days beyond the Intended Completion Date] and any demand for payment under it must be received by us at this office on or before that date.



----- [signature(s)]

FORM OF ADVANCE PAYMENT SECURITY

----- [Name and address
of Agency, and Address of Issuing Branch or Office]

Beneficiary: ----- [Name and Address of
Employer]

Date: -----

ADVANCE PAYMENT GUARANTEE No.: -----

We have been informed that ----- [name of Contractor]
(hereinafter called "the Contractor") has entered into Contract No. ----- [reference
number of the contract] dated ----- with you, for the ----- construction of --
----- [name of contract and brief description] (hereinafter called
"the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in
the sum ----- [amount in figures] (-----) [amount in
words] is to be made against an advance payment guarantee.

At the request of the Contractor, we ----- [name of issuing agency]
herby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of -----
----- [amount in figures] (-----) [amount in words]⁴ upon
receipt by us of your first demand in writing accompanied by a written statement stating that the
Contractor is in breach of its obligation in repayment of the Advance payment under the Contract.

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance
payment repaid by the Contractor.

This guarantee shall expire on ----- [Insert the date, 28 days beyond the Intended
Completion Date]

Consequently, any demand for payment under this guarantee must be received by us at this office on
or before that date.

ICTAD

[signature(s)]

⁴ The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the
currency(ies) of the advance payment as specified in the Contract.

FORM OF RETENTION MONEY GUARANTEE

-----[Issuing Agency's
Name, and Address of Issuing Branch or Office]

Beneficiary: ----- [Name and Address
of Employer]

Date: -----

RETENTION MONEY GUARANTEE No.: -----

We have been informed that ----- [name of Contractor]
(hereinafter called "the Contractor") has entered into Contract No. ----- [reference
number of the contract] dated ----- with you, for the execution of ----- [name of
contract and brief description of Works] (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, when the works have
being taken over and the first half of the Retention Money has been certified for payment, payment of
the second half of the Retention Money may be made against a Retention Money guarantee.

At the request of the Contractor, we ----- [name of agency]
hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of -----
----- [amount in figures] (-----) [amount in words]⁵
upon receipt by us of your first demand in writing accompanied by a written statement stating that the
Contractor is in breach of its obligation under the Contract because the Contractor has not attended to
the defects in accordance with the Contract..

This guarantee shall expire, at the latest, ----- [insert 28 Days after the end of the
Defects Liability Period]. Consequently, any demand for payment under this guarantee must be
received by us at this office on or before that date.

[signature(s)]



⁵ Insert amount equivalent to the second half of the Retention Money

SECTION – 4
FORM OF BID

FORM OF BID

PROPOSED RESTORATION OF WESLEY COLLEGE PAVILION, COLOMBO

To: Wesley College Old Boys Union,
Colombo 09.

Gentlemen:

1. Having examined the Standard Bidding Document-Procurement of Works Contracts [ICTAD/SBD/01 – Second Edition, January 2007], Specifications, Drawings and Bills of Quantities and Addenda for the execution of the above-named Works, we the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Specifications, Drawings, Bills of Quantities and addenda for the sum of Sri Lankan Rupees
.....
(LKR.....) or such other sums as may be ascertained in accordance with the said Conditions.
2. We acknowledge that the Contract Data forms part of our Bid.
3. We undertake, if our Bid is accepted, to commence the Works as stipulated in the Contract Data, and to complete the whole of the Works comprised in the Contract within the time stated in the Contract Data.
4. We agree to abide by this Bid until 120 days from the date of closing of the bid and it shall remain binding upon us and may be accepted at any time before that date.
5. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding Contract between us.
6. We accept the Adjudicator.
7. We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this.....day of 20.... in the capacity of.....
duly authorized to sign bids for and on behalf of
..... (IN BLOCK CAPITALS)

Signature :

Address :

Witness :

SECTION 5
BIDDING DATA AND CONTRACT DATA

BIDDING DATA

Instructions to Bidders

Clause

Reference

1.1 Employer's Name and Address

Name: The President,
Address: Wesley College Old Boys Union, Colombo 09

1.1 Scope of Works

The Works consist of Alteration to Pavilion Building including Demolishing works Excavation and Earthworks RCC Structures, Masonry works, Waterproofing work, Metal works, Roof covering and roof plumbing, Floor wall and ceiling finishes, Painting work, and all MEP related works.

Located at: Campbell Park, Colombo 09.

1.2 Time for Completion

The Time for Completion of the works shall be 100 Days

2.1 Source of funds

The source of funds is Old Boys Union, Wesley College, Colombo 09

4.2 CIDA registration required

The registration required:

Specialty - Building
Grade - Relevant ICTAD Grading will be an advantage.

4.3 Qualification Information

The following information shall be provided in Section 4 - Schedules:

CIDA registration (If available)
Registration number
Grade
Specialty
Expiry date

- VAT registration number.....
- Attach legal status (Sole proprietor, Partnership, Company etc.)
- Attach authentication for signatory
- Total monetary value of construction work performed for each of the last five years
- Experience in works of a similar nature, complexity and magnitude during last five years with documentary evidence. The bidder shall submit the following document as supporting document in order to substantiate his experience: Completion Certificate

- Construction equipment list
- Qualifications and experience of Key Site Management, Project Management and Technical Personnel proposed for Contract with documentary evidence
- Detailed comprehensive method statement with a resource schedule
- Attach detailed Construction Programme on MS Project with critical path.
- Details of credit facilities
- Attach authentication for signatory with a registered power of attorney.
- Documentary proof to establish the availability of working capital for the works in hand should be furnished.

4.4 Average annual volume of construction work performed in last 5 years

Past experience of successfully completing projects with a contract value of a Minimum Rs 70,000,000/- within the last five years supported by documentary evidence.

Bidders shall be required to submit audited financial reports for the last five years

Qualifications and experience of the Contract Manager

Site Engineer (1 No)	NDT or equivalent + 5 years' experience
Quantity Surveyor (1 No)	Technical Member of IQSSL with 2 years' experience / NCT (QS) + 5 years' site experience
Technical Officer (1 Nos)	NDT or equivalent + 3 years' experience / NCT + 5 years' experience

Liquid assets and /or credit facilities required

The minimum amount of liquid assets and/or credit facilities, net of other contractual commitments and exclusive of any advance payments which may be made under the Contract, shall be not less than Rs. 15 million.

Additional information is;

1. Resources (manpower, equipment, etc.) upon which the Construction Programme is based.
2. Organisation Chart - a chart showing the proposed site staff and management organisation for the work and the numbers of supervisors and labour including those to be employed by the sub-contractors (reflected in the Construction Programme).
3. Site layout showing temporary buildings such as stores, office, etc

9.1 Clarification of Bidding Documents

Engineer's address for clarification of bidding documents is

Name: G. Fernando

Phone: 0777727127

Email: shehans77@yahoo.com

- 13.3 VAT component shall not be included in the rates. The amount written in the form of Bid shall be without VAT. However, VAT component shall be shown separately at the end of the BOQ.

13.4 The Contractor is not subjected to price adjustment in accordance with Clause 47 of the Conditions of Contract.

15.1 The Bid shall be valid up to 120 days from the date of closing of the Bid

16.2 Bid Security shall be:

Rs. 50,000.00, Valid up to 148 days from the date of closing of the Bid, issued by an agency acceptable to Employer using the form for bid security (unconditional guarantee) included in Section 9, Standard Forms. The agencies acceptable to Employer are commercial banks operating in Sri Lanka approved by the Central Bank of Sri Lanka.

17.0 Pre-Bid meeting – 2.30pm on 7th September 2023, at the Wesley College Pavillion, Campbell Park

19.2 a Employer's Address for Bid submission

Employer's address for the purpose of bid submission is the Chairman- Contracts Committee, Wesley College Restoration Project, Wesley College, Colombo 09.

19.2 b Contract name: Proposed Alteration to Pavilion at Wesley college, Colombo 09.

20.1 The deadline for submission of Bid Shall be on or before 2.00pm on 27th September 2023.

34.0 The amount of Performance Security is 5% of the Initial Contract Price.

The Contract shall be Measure and Pay Fixed Rate Type of Contract

The performance Security Shall be valid until 28 days beyond the expected completion date and the Defect Liability Period of 365 days.

CONTRACT DATA

(Please note that the Clause nos. given hereunder are that of Conditions of Contract)

1.1 Employer is

Name: Wesley College Old Boys Union

Address: Colombo 09

1.1 Engineer's name and Address

Name: G. Fernando

Address: Wesley Colloge OBU, Wesley College, Colombo 09.

1.1 The work consists of The Works consist of Alteration to Pavilion Building including Demolishing works Excavation and Earthworks RCC Structures, Masonry works, Waterproofing work, Metal works, Roof covering and roof plumbing, Floor wall and ceiling finishes, Painting work, and all MEP related works.

1.1 The site located at Wesley College Pavillion, Campbell Park.

1.2 The start Date shall be 14 days from the Letter of acceptance.

9.1 Schedule of key personnel:

Minimum persons with qualifications and experience to be defined,

(a) Technical (01 No): NDT or equivalent + 3 years' experience / NCT + 5 years' experience

(b) Site Engineer (1 No): NDT or equivalent + 5 years' experience

13.1 The minimum insurance covers shall be:

(a) The minimum cover for insurance of the works and of the plant and material is 110% of initial Contract price

The Maximum Deductible for insurance of the works and of plant and material is 5% of initial Contract

(b) The minimum cover for loss or damage to equipment is to be decide by the Bidder

The maximum Deductible for insurance of equipment is 5% of the minimum cover for equipment

(c) The minimum cover for insurance of other property (other than the site) is Rs.1,000,000.00

(d) The minimum cover for personal injury or death,

- For third party and employees of the employer and other persons engaged by the employer in the works is per event.

13.2 (a) The minimum cover for personal injury or death,

- For the contractors, Workman is per event.
- Contractor's employees other than Workman is per event.

to be decide by
the Bidder

21.1 The site Possession Date shall be 14 days from the letter of Acceptance

27.1 The Contractor shall submit a programme for the Works within 14 days of delivey of the Letter of Acceptance

35.1 The Defect liability period is 365 Days

47.1 The Contract Price is not subject to Price adjustment

48.1 The retention from each payment shall be 10% of the Certified work done
The limit shall be 5% of the Initial Contract price

49.1 The liquidated damages for the whole of the Works shall be 0.05% of the Initial Contract Price

50.1 The maximum amount of liquidated damages for the whole of the Works shall be 10% of the Initial Contract Price

52.1 The Performance Security shall be 5% of the Initial Contract Price.

63.7 The attendance fee payable to the Contractor on nominated sub-contractor work shall not exceed 8%

SECTION 6
SPECIFICATIONS

Standard specification published by ICTAD

- SCA/4 - Building Works (Vol I)
- SCA/4/II - Building Works (Vol II)

SECTION – 7

BILLS OF QUANTITIES

PRICING PREAMBLES

A- GENERAL PREAMBLES

The Bill of Quantities shall be read in conjunction with all other bidding documents

General directions and descriptions of work or materials given elsewhere in the bidding documents are not necessarily repeated in the Bills of Quantities. For the full meaning of each item, reference should be made to the applicable passages in the Bidding Documents.

The prices and rates entered by the Contractor in the Bills of Quantities shall be deemed to cover the complete and finished works in the final position as required by the Bidding Documents, including, inter alia, all costs and expenses which may be required in and for the construction and maintenance of the works, together with all risks, liabilities, contingencies, insurance, sampling, testing, providing all necessary assistance to the Engineer and in general all obligations imposed or implied by the Contract.

The Contractor should allow against the items or in the prices for everything contained in these Bills of Quantities which has a monetary value.

Lump sums shall not be given where unit rates are applicable.

Payment against any item in the Bill of Quantities will be made only if such item has actually been carried out by the Contractor. If the Contractor intends to execute any alternative method of construction, the Engineer's prior approval thereof shall be obtained prior to execution of such work in order to ensure payment against the relevant item.

Unit rates may be used reciprocally in the settlement of accounts unless conflict between them occurs. The Contractor is therefore to ensure that identical items occurring in separate bills are not priced at different rates unless this is his deliberate intention.

The Contractor shall check against the summaries that each copy of the Bills of Quantities is complete in the number of pages and in the reproduction of each page.

The Contractor's prices and extension shall be entered in waterproof ink.

Unit rates and extensions shall be given in Sri Lankan Rupees to a maximum of two significant places of decimals.

The various documents collectively referred to herein as the Bills of Quantities jointly constitute the Bill of Quantities referred to in the Conditions of Contract.

These Bills of Quantities have been measured generally in accordance with the principles laid down in the Method of Measurement of Building Works (First Revision) SLS 573: 1999 published by Sri Lanka Standard Institution (as here below defined) except where otherwise stated and rates shall include for everything required for complete sections of work in accordance with the specifications and drawings.

In the Bills of Quantities, if any materials/ fittings are described by using a trade name, it is only for the purpose of indicating the minimum level of quality and standard required. The Bidder may use any other material/fittings, which are considered as equivalent in quality and standard to those specified therein subject to the approval of the "Engineer".

Items in the preambles section of these Bills of Quantities are deemed to qualify and to form part of every description of measured work to which the, refer including composite descriptions.

No amendment which has not been authorized in writing by the Engineer shall be made to these Bills of Quantities. The Contractor shall not use these Bills of Quantities as a construction programme or for the purposes of ordering materials or arranging sub-contracts. The references for these activities shall be the drawings, specification and instructions issued by the Engineer.

A price or rate shall be entered against each item in the Bill of Quantities whether quantities are stated or not. Item against which no price or rate is entered shall be deemed to be covered by the other prices or rates entered by the Contractor in the Bills of Quantities. The unit price or rate entered against any item shall take precedence over any miscalculation in the total sum against that item.

The quantities given in the Bill of Quantities are estimated only and are given to provide a basis for the tender. No guarantee is given for their accuracy and payments to the Contractor will be based on the prices and rates quoted in the bills applied to measured quantities for work done.

The quantities for each item of work executed by the Contractor in accordance with the Contract shall be measured net and no allowance will be made for waste, bulking, shrinkage decrease of volume due to compaction or the provision of working space.

The items in the Bills of Quantities are the general application to the whole of the works at any location on site or any part of the work as indicated in the bid documents or instructed by the Engineer's representative.

Tenders, which group several items together in the Bill of Quantities under one price, will not be accepted.

These pricing preambles are a standard and comprehensive set and hence may exceed the requirements of this particular project.

FORMAT FOR DESCRIPTIONS

In addition to common abbreviations the following have been adopted:

m	- meter	h	- hour
m ²	- square meter	ltr	- liters
m ³	- cubic meter	CP	- Code of Practice
mm	- mili meter	BS	- British Standard
nr	- number	PS	- Provisional Sum
t	- tonne	BOQ	- Bills of Quantities
kg	- kilograms		

Every description shall read as if the phrase "and the like" were incorporated into it.

Where specific classifications have been given but are deemed to include other categories of work only the classified item shall be given in descriptions.

"Prices also to include"; items under this heading fall into two categories.

a) Those which are deemed to be included in descriptions and therefore, in prices.

b) Those for which the Contractor shall allow in his prices.

"Approved", "Directed", "Selected" and similar expressions shall relate to the Engineer's decision.

Without affecting the generality of the foregoing provisions the prices and rates entered by the Contractor in the Bills of Quantities shall also include, inter alia, a.; costs and expenses involved with or arising from the following;

- All obligations imposed by the Contract.
- Complying in every respect with the requirements and the considerations of the specifications and drawings.
- All considerations arising from the definitions incorporated into each preamble section.
- Labour for fixing and all associated costs.
- Materials and goods and all associated costs.
- Fitting and / or fixing materials and goods in any position, hoisting to any height.
- Use of scaffolding, plant, equipment and tools.
- Allow for protection of finished surfaces / fittings etc.. of all work sections.
- Any additional labour usually associated with measured items.
- The provision, storage, transport, handling, use, distribution and maintenance of all materials, plant, equipment, machinery and tools, including all costs, charges, dues demurrage or other outlays involved in carriage and importation.
- The provision and maintenance of all staff and labour and their payment, accomodation, transport, fares and other requirements.
- Setting outs, including the location, construction and presion of survey marks, mesurements and supervision.
- The provision, staorage, transport, use, handling, distribution and maintenance of all consumable stores fuel, water and electricity including the requirements of the Engineer's Representative and his staff.
- The location and test proving of the source of materials.
- Sampling, the transport of samples, testing and checking of all information given by the Engineer.
- Injury caused to the works under construction, plant, materials and consumable stores by weather.
- Repairs to the works either prior to or during the period of maintenance.
- Maintenance work as detailed in the specifications and the Conditions of the Contract and the maintenance of public amenities.

- Co-ordination with other Contractors or authorities carrying out work either in connection with or adjacent to the works
- The supply of manufacturers test certificates.
- The protection of mains and services, and cost of repairs in case of damage caused by the Contractor.
- Pumping and dewatering: the protection of excavated faces.
- Insurance, custom duties, taxes (excluding VAT) levies, first aids, welfare, and safety requirements and all other overheads and costs and profits.
- Hoisting equipment and plants
- Necessary warning notices, adequate night lighting etc.
- Supplying specimen and samples of materials used and carrying out tests etc. confirming to relevant British standard as directed by the Engineer.

All measurements are net and the rates shall include for all laps (except for design structural laps for steel Reinforcement) waste working space and trade or traditional allowances.

The pricing of materials shall take account of the following:

Pricing Preambles, Drawings and Specifications and shall apply reciprocally between sections of the works unless otherwise described.

Materials shall be of the best quality available unless otherwise described.

All materials shall be transported, handled, stored and fixed in accordance with the printed instructions or recommendations of their manufacturers or suppliers.

Protection of completed work, all casings and temporary coverings and making good and clearing away upon completion.

Building paper, damp proof membrane, quilts and all non-rigid sheet materials shall include cutting or forming holes and notching and the extra labour of turning up at edges and the like.

Holes, mortices, pockets, grooves, chases and the like and items described as "built in" and "cast in" shall include making in its fullest sense and through, around, into over and up to the items concerned.

Items described as "cut" shall include general making good similarly.

Where the word "allow" is used the cost of the items shall be the responsibility of the Contractor.

The Contractor shall obtain from all sub-contractors (whether nominated or otherwise) their requirements for all recesses, chases, holes and the like in order that they may be built in or formed as the work proceeds. No additional charges shall be allowed for cutting recesses, chases and holes and the like after the construction of the works.

In the event of there being any discrepancies between details on drawings, descriptions in specifications and descriptions in the Bills of Quantities, then the rates and pricing shall be deemed to relate to the documents order of precedence set out in the Conditions of Contract

The amounts set against any Provisional Sums for supply of materials shall be the net CIF amount for imported materials adjusted for all discounts and customs duties. The amounts set against any items of overhead & profit shall include for all costs in connection with letters of credit, bank charges, interest charges and insurance after the materials come under the control of the Contractor.

The Contractor should leave the whole of the works ready for immediate occupation to the satisfaction of the Engineer including the following:

- (a) Removal of rubbish, debris or excess spoil from the site area and raking over and cleaning all unused parts of the site area.

Fix only

The expression "fix only" used in these Bills of Quantities means that the Contractor shall provide the following facilities:

- (a) Fixing with all necessary accessories and the like.
- (b) Supplying full size templates, giving and marking dimensions and taking responsibility for their accuracy.
- (c) Getting in, protecting, handling, distribution and placing in position and assembling as required.
- (d) Casing up and protection, including clearing away protection on completion of the works including Sub-Contractor works.
- (e) Full cost of replacement of any item which are damaged, broken, lost or stolen after the acceptance of the items from the supplier or Employer and until handing over the complete works.
- (f) Other necessary and usual facilities and documentation.

Supply only

The expression "supply only" used in these Bills of Quantities means that the Contractor is to provide for everything in connection with such Items except fixing in position.

Sub-Contractors

Sub-contractors, whether nominated or not, are to be let on a current form of sub contract designed for use in conjunction with the General Conditions of Contract amended as necessary to incorporate the appropriate provisions of the main Conditions of Contract.

The Contractor should ascertain from sub-contractors and suppliers before the work is put in hand particulars of positions in which chases, holes, mortices and the like will be required to be formed or left. No claim for the extra costs of cutting away work already built due to the Contractor's failure to ascertain these particulars will be admitted.

Any local sub-contractors which the Contractor proposes to use for the works are subject to the approval of the Engineer and Employer.

The Contractor shall provide for approval a list of sub-contractors who will be employed on the works. If the Contractor is refused permission to use any of his proposed sub-contractors, then the work shall be sub-let at no extra cost to an approved sub-contractor.

Any sub-contractor who has not been approved by the Engineer shall not be used in connection with the carrying out of the works.

Nominated Sub-Contractors

At the time of every valuation of the works for certificate purposes the Contractor shall submit to the Engineer a statement from each of the nominated sub-contractors, showing:

- (a) The gross amount (including cash discount and retention) claimed in the current certificate.
- (b) The net amount received from the Contractor to date excluding agreed contract charges.

Amounts in respect of Nominated Sub-Contractors will not be included in valuations unless these statements are received.

These statements will be accepted as reasonable proof of payment to nominated sub-contractors under the Conditions of the Contract but otherwise the received invoices of nominated sub-contractors are to be submitted to the Engineer as proof of such payments.

At the time of the settlement of accounts and as one of the documents referred to in the Conditions of Contract, the Contractor is to obtain a statement from each of the nominated sub-contractors that the sums and / or credits to be included in the settlement of accounts in respect of such nominated sub-contractors are accepted in full and final settlement of their sub-contracts.

The word "attendance" means that Contractor shall provide the following attendances and facilities:

- (a) Use of Contractor's administrative arrangements.
- (b) Use of Contractor's constructional plant at site.
- (c) Use of Contractor's facilities such as water electricity telephone facilities at site.
- (d) Use of Contractor's temporary works at site.
- (e) Clearing away rubbish from the central point of collection.
- (f) Use of Contractor's scaffolding at site
- (g) Unloading, distributing, hoisting and placing in position items of plant and machinery.

- (h) Supplying full size setting out templates and giving and marking dimensions and taking responsibility for their accuracy.
- (i) Providing working space and stores.
- (j) Other necessary and usual facilities, documentation, general inter-trades attendance, labour and assistance.
- (k) Site security

The Contractor shall allow for any additional costs incurred due to sub-contractors working different hours from and extended hours to those worked by the Contractor.

Prime Cost Sums In Unit Rates

Certain rates within the Bills of Quantities will include Prime Cost Sums. The Contractor shall be required to base this PC rate in preparing his full rate for those items. Any additional costs such as transporting, delivering and handling, storage, wastage etc, and installation or laying, labour, additional materials and plants etc should be included in his full rate. This rate will then be carried to the relative places within the Bills of Quantities.

These prime cost sums shall be adjusted based on the actual purchase prices of such materials after the relevant works are completed. The Contractor should submit an statement along with the following interim payment application showing the adjustment to the Contract Price. The price of relevant materials should not exceed the Prime Cost Sums stated in the relevant items without any prior approval from the Engineer. No additional claim will be allowed for the varying of these items.

Generally

Rates for all items of works in all trades shall be deemed to include for hoisting, scaffolding and supports, use of small plant and general superintendence of work at site.

B – PREAMBLE NOTES FOR ALL TRADES

1.0 EXCAVATION AND EARTH WORK

Definitions

Rock is defined as any material met with which is of such size or position that, in the opinion of the Engineer it can only be removed by means of special plants or explosives..

Method of Measurement

The method of measurement and re- measurement shall be taken according to Sri Lanka standard 573: 1999 but generally will be as follows:

- (a) Where there is no reduced level excavation, other excavations will be measured from natural ground level.
- (b) In instances where there is excavation to reduced levels other excavations will be measured from the reduced level.

Should the Contractor be able to use any excavated material arising from the works as general filling then it shall be measured as material back filled in making up levels with a deduction of items for filling and for material removed from site.

Prices also to include

Rates for excavation shall be deemed to include for the following ;

- a) Excavating by whatever means are necessary including hand excavation in any kind of ground excluding rock.
- b) Overbreak including filling with mass concrete to the levels required by the Engineer.
- c) Trimming or grading ground to produce level surfaces or surfaces to falls or slopes including necessary planking and strutting
- d) Ramming, levelling and compacting sides and bottoms of excavations.
- e) Additional excavation for working space arising out of any cause, as excavation measured net unless otherwise specified in item description.
- f) Back filling with selected excavated material and consolidation.
- g) Any hand excavation required around existing services or the like.
- h) Bulking after excavation and disposal of surplus excavated material away from the premises.
- i) Dewatering.
- j) Earth work supports.

- k) Compliance with relevant acts, by laws and regulations relating to excavations
- l) Inspection of site

2.0 HARD CORE FILLING

The Contractor shall obtain prior approval from the Engineer for characteristics of the soil to be used for filling.

Method of Measurement

The measurement for earthwork has to be the net volume of earth after compacting to the approval of the Engineer.

Prices also to include

- a) Rates for hardcore filling shall be strictly as per specifications and to be priced accordingly.
- b) Rates for hardcore filling shall include delivery, filling in layers as per specifications and consolidating ramming, compacting etc., using equipment approved by the Engineer.

3.0 PILING WORKS

Rate shall include for:

- a) Complying with the requirements in the Specification of Work and the Particular Specification.
- b) Site clearing and preparation.
- c) Necessary dewatering.

Rates for Boring shall be deemed to include for the following;

- a) The use of any temporary casing to facilitate boring.
- b) Forming lining in bentonite slurry or any other method to confine the sides of the bore as specified.
- c) Disposal of excavated material arising from piling operations off site.
- d) Boring in all types of soil except in hard rock.

Rates for concrete shall be deemed to include for the following;

Mixing, hoisting, placing in position using tremie pipes and packing around reinforcement bars.

- a) Concrete placed in excess of the cut-off length + 1m of the pile.
- b) Removal of water and cleaning bores before the commencement of concrete work.

Rate for reinforcement shall include for:

- a) Laps, cutting, waste and rolling margin of steel reinforcement.

- b) Reinforcement fixed in excess of the cut of length + 1m of the pile.
- c) Tying wire, binders links, stiffeners, spacer blocks etc.
- d) Tying steel cages as specified and lowering into position in bore.

Rates for cutting off tops of piles shall include for:

- a) Preparation and cleaning of reinforcement above pile cut off level.
- b) Any necessary additional excavation for working space, planking, and strutting, form work etc.

4.0 CONCRETE WORK

Generally

Unless otherwise stated all concrete shall be:-

- a) The grade of the concrete shall be as specified in the drawings. Any discrepancy within the document with respect to the grade of concrete, the drawings shall supersede and the rates shall include to cover the cost of grade specified in the drawings.
- b) All concrete shall be so cast as to receive only that finishing on its exposed faces as specified in the respective items in the BOQ .
- c) All concrete shall be made dense with a vibrator and finished with monolithic to receive tiles, granite etc. The type and stability of which shall be agreed with the Engineer prior to commencement of concreting of each item.

Prices also to include

The Contractor should ascertain from the Engineer the total number of locations of items to be formed in and cast into in-situ and precast concrete including those which are not specifically shown on the drawings.

No cutting away of concrete shall be carried out without the approval of the Engineer.

All remedial works shall be carried out at the Contractor's expense.

Rates for concreting shall be deemed to include for the following ;

- (a) Plant for mixing, handling, hoisting, depositing compacting, vibrating, curing, making good after removal of form work and for any tests when necessary.
- (b) Filler boards and sealants and external wall finish and shall be to the Engineer's approval.
- © Forming joints between new concrete and old concrete as per drawings and specifications unless separately stated or provided for.
- (d) Formed joints deemed to include form work.

- (e) Sealants work deemed to include preparation, cleaners, primers and sealers.
- (f) Cube testing and concrete cube shall be taken as directed by the Engineer.
- (g) All necessary keys to concrete surfaces to receive in-situ finishes.
- (h) All costs in connection with the construction of “kickers”.

The rates for plain concrete foundations and concrete blinding shall include for the following ;

- (a) All necessary shuttering to edges or extra volume of concrete used in lieu of shuttering.
 - (b) Forming sloping upper surfaces where required.
- © The rates for reinforced concrete shall include for working concrete around reinforcement.

5.0 FORM WORK

Generally

Form work centring and moulds for concrete construction shall be of plywood, timber, steel or pre cast concrete and shall be erected true in line, levels and vertically and to the required shapes and sizes and shall be of suitable design and substantial and rigid construction as to prevent deformation due to the placing and compacting of concrete and any incidental loading. All form work and cantering shall be so constructed that no grout shall leak out during concreting.

Form work for fairface finish shall be from steel sheets in smooth form to receive the required finish.

Form work and centring shall be provided with adequate walling, struts braces, ties and clamps so as to maintain the dimensions lines and levels shown on the drawings during the entire operation of placing and compacting the concrete and to prevent any sagging exceeding 3 mm under the weight of wet concrete and any other super imposed loads which they would be subjected to during construction.

The contractor shall provide sufficient form work and moulds to ensure the adequate progress of work and the Engineer may direct the Contractor to provide at Contractor’s expense such additional form work and moulds as they may deem necessary if in his opinion the proper progress of the work is retarded by their absence.

Method of Measurement

Formwork has been measured the net contact surface measurement between concrete and formwork.

Prices also to include

Rates for formwork shall be deemed to include for the following ;

- (a) Small quantities.
- (b) All cutting and waste including raking curved or circular cutting and cutting and notching around pipes, ducting and fittings.

- © Setting up, strutting and supporting at any height above the structure subject to any limitations imposed by the Employer's representative including all props, stays struts, wedges and bolts etc.
- (d) Carefully coating with shutter oil ensuring that no shutter oil is applied to surfaces of reinforcement.
- (e) Easing, striking, removing and cleaning and preparing for re-use and removal when no longer required.
- (f) Overlaps and passings at angles and labours at intersections.
- (g) Shortening struts or shapes and re-strutting or re-shoring where required.
- (h) Rubbing down, filling and making good the surface of concrete after removal of shuttering.
- (i) Cutting or notching shutters or moulds to in-situ or pre cast concrete around projecting reinforcement.

The rates for wrought shuttering / shuttering to produce a special finish shall include for the following ;

- (a) Any necessary rubbing down or filling allowed by the specification to produce the finish required.
- (b) Cutting out and re-casting unsatisfactory work or work not fulfilling the requirements of the specification or carrying out remedial or any other work required by the Engineer as an alternative to cutting out substandard work.

6.0 REINFORCEMENT

Generally

The size of reinforcement rods described in the drawing or elsewhere shall be the minimum size and the rolling margin and any other tolerance shall be wholly above this size. Hooks and laps have been measured with the quantities.

All reinforcement shall be free from mill scale, dirt, oil, paint, grease or loose rust before fixing in position and shall be brushed with a stiff wire brush if so directed by the Engineer.

Reinforcement shall be bent cold by applying a slow even pressure on an approved type of bending apparatus.

Re-bending of incorrectly bent bars shall not be attempted.

Prices also to include

Rates for reinforcement shall be deemed to include for the following ;

- (a) Preparation of detailed reinforcement drawings and bar bending schedules for all steel work to be submitted to the Engineer or his representative for approval grooves, starting the work.
- (b) Cutting, bending, fabricating, placing in position, holding and supporting including temporary fixing supports, hangers and binding wire, ties, spaces, chairs.
- © Additional cutting and bonding in connection with holes, mortices, packets, grooves, chases and the like.

- (d) Waste and rolling margin of steel reinforcement.
- (e) Supporting in position during concreting:
Provision of supports (excluding links and stirrups) steel binding wire and approved / proprietary distance pieces.
- (f) Positioning and protecting starter bars.
- (g) Bar bending schedules

The rates for fabric reinforcement shall include for the following:

- (a) Straight raking curved and circular cutting and waste, bending to profiles, tying wire, spacers, chairs, laps of one full square / rectangular module or as noted.
- (b) Supporting in position during concreting : provision of supports (excluding special chairs) steel binding wire and approved / proprietary distance pieces.
- © Cutting, bending and notching around all obstructions

7.0 PRE-CAST CONCRETE

Unless otherwise specified:-

All concrete shall be so cast as would require only that finishing on its exposed faces as specified in the respective items in the BOQ. Any extra labour or material required to obtain the specified finish shall be at the Contractor's expense.

Prices also to include

Rates for precast concrete shall be deemed to include for the following ;

- a) Include all necessary fittings, form work, moulds, reinforcement, bedding mortar, temporary struts, hoisting and fixing in position to the approval of the Engineer.
- b) Forming a fair face in accordance with the specification to all exposed surfaces.
- c) Hacking or forming keys to all other surfaces.
- d) Sills and copings, etc., shall include for plain ends and mitred angles where necessary

8.0 MASONRY WORK

Brick Work, Block Work and Rubble Work

Prices also to include

Rates for masonry work shall be deemed to include for the following ;

- (a) All rough and fair cutting, plumbing angles, forming rebated reveals, rough arches, vent openings, raking out joints for pointing etc., cutting and pinning, forming or cutting chases, making good and like expenses.

- (b) All kerbs, goggles, cramps, dowels, ties, templates, plumbing, settings, jointing, pointing, and fixing in position including hoisting and cleaning down.
- (c) Builders work in connection with electrical installation, plumbing and drainage work.
- (d) Provision of stiffeners for all 100 mm thick walls, which exceed 3m length and 3m height.
- (e) Brick work shall include preparation of surface to receive any external wall finish like plastering and shall be to Engineer's approval.
- (f) Preparation of existing surface for proper bonding.
- (g) Scaffolding whether specified separately or not.
- (h) Extra material for curved work.
- (i) Brick Work shall include form joints between brickwork and existing surfaces of any material, approved filler between joint and approved sealant.
- (j) Material testing at a recognized laboratory, provision of certificates.
- (k) Grouting up at back of walls built against other construction.

9.0 ASPHALT WORK

The waterproofing system shall be carried out by a specialized sub-contractor approved by the Engineer.

The main contractor shall be responsible for this system and shall provide a 10 year guarantee in favour of the Employer.

The type of waterproofing system shall be such that it should be capable of coping any movement of the concrete slab below.

All construction, contraction and expansion joints and joints around openings shall be made water tight.

Prices also to include

Rates for asphalt work shall be deemed to include for the following ;

- (a) Protection screed in cement sand mortar 1:5 to receive waterproofing
- (b) Temporary screeds, grounds, rules, internal angles, fillet, riser, external angles, and exposed circular edges chases for tucking in etc.
- © Cutting top line, notching, bending and extra material for lapping.
- (d) Working into recessed duct covers, shaped inserts, outlet pipes and the like. Rates shall also include work to falls and cross-falls.
- (e) Tanking and damp proofing shall include internal and external angles, angle fillets, arises, edges, and intersections on work to cross falls.
- (f) Collars around pipes, standards and the like are deemed to include arises and internal angle fillets.

- (g) Linings to gutters, channels, valleys, covering to kerbs shall be deemed to include edges, arises, internal angle fillets, tilting fillets, turning ribs into grooves, ends angles intersections, outlets, and extra materials for turning into grooves.

10.0 STRUCTURAL STEEL WORK

Definitions

“Welding” is deemed to be in accordance with the specification and for the material to which it is to be used. Gusset plates, shoe plates, ends, caps, cleats, brackets, stiffeners, bolts, etc., have been included in the weights of the associated steel work in which they occur.

Prices also to Include;

Rates for structural steel work shall be deemed to include for the following ;

- (a) All shop drawings fabrication work, marking, delivery, unloading, hoisting, (local) erecting and fixing.
- (b) Allowance for rolling margin.
- © The weight of weld metal in welded constructions.
- (d) Members of any length.
- (e) Cutting to size and shape and joints in the running length.
- (f) Notches, holes, slots, mitres, ends and for all drilling and splay cut ends.
- (g) Grinding to a smooth finish, unless otherwise required.
- (h) After fabrication wire brushing to clean the surface and spray painted with two coats of quick drying metal primer Zinc phosphate. (Not applicable to galvanized steel sections)
- (i) Rates for galvanizing or similarly treated work are to include for the treatment of all ends to the approval of the Engineer.

11.0 ROOF PLUMBING

Timber for roof shall be pressure impregnated against insect attacks, and all timber samples to be approved by the Engineer.

Prices also to Include;

Roof Plumbing (Unless separately stated or provided for)

- a) All rain water down pipes shall include all necessary fittings, such as bends, inspection openings, tees etc..
- (b) Gutters are deemed to include joints in the running length and brackets.
- © Cutting and jointing gutters to fittings is deemed to be included.
- (d) Down pipes are deemed to include brackets joints and cuttings and the like.
- (e) Apply paint to all exposed faces of roof plumbing as directed.

12.0 SUSPENDED CEILINGS

The rates for suspended ceiling tiles and panels and the like shall include for chamfering all cut edges; vertical bulkheads and cutting around light fittings, grills and diffusers or the like are also deemed to be included.

Rates shall also be deemed to include any depth between the soffit of the slab to which the ceiling is suspended and the finished level.

All linear items shall include for angles, ends and the like.

13.0 CARPENTRY AND JOINERY

Generally

The whole of the timber used in the work shall be the best of its kind obtainable and shall be thoroughly dry and well seasoned free from shakes vanes, loose or dead knots and any other defects and shall be to the approval of the Engineer and stored under cover when not in use. Any warped or unseasoned timber shall be rejected by the Engineer.

Unless otherwise stated in the BOQ, all timber sizes shall be finished sizes.

Timber shall be:

- a) Doors & Window sashes:
 - b) Doors & window frame:
- } As Stated in the
bill of quantities

Timber shall be as stated in Specification and drawings for all timber works.

Prices also to Include;

Rates for carpentry and joinery shall be deemed to include for the following ;

- (a) Cutting, notching, drilling, linkage, trimming forming, joining, splayed edges and the like including fixing in position complete with all nails, spikes and screws and priming to joints and ends.
- (b) All labour materials, hardware materials, all fixing materials, adhesives, sanding sealer, bleached finished or gloss paint finished etc., and ironmongery.
- (c) Fixing timber joints and members to masonry with approved fixing method.
- (d) All necessary ironmongery such as hinges, locks, hooks etc., which shall be of best quality, Union or equivalent, and to the approval of the Engineer. It is the Contractor's responsibility to get the approval for ironmongery prior to execution of carpentry and joinery work
- (e) All doors and windows shall include application of two coats of sanding sealer and a primer under coat, and preparation of surface and spray polishing to the approval of the Engineer.
- (f) Rates shall include making opening for light fittings in ceiling.
- (g) Glazing for doors and windows shall be 5mm glass.
- (h) Measurements for doors with partitions included in the partition.

The Rates for ironmongery shall include for the following:

- (a) Mortices, sinkings and the like.
- (b) Removing before and replacing after decoration.
- © Testing, easing and adjusting including oiling and leaving in perfect working order.
- (d) Adhering strictly to mastering and sub-mastering schemes.
- (e) Supplying and labeling at least two keys for each and every lock and handing to the Employer's Representative.
- (f) Master key if required by the specification or drawings.

The rates for ironmongery described as "fixed to hardwood" shall include for fixing to plywood blockboard and the like.

14.0 METAL WORK /ALUMINIUM WORK AND GLAZING WORK

Generally

Sizes given in the description of items are nominal sizes. The Contractor shall visit the site and take all necessary spot measurements to determine the actual sizes of opening before fabricating the units.

Definitions

“Welded” or “welding” unless otherwise stated shall be continuous butt or fillet welding left as laid.

Prices also to Include:

Rates for Glass cladding shall be deemed to include for the following ;

- (a). All necessary welding materials, cutting to length, bending and shaping as required, buffing all visible welds smooth and even for fabricating work delivery, handling, hoisting, jointing, polishing and fixing in position.
- (b). Prepare and submit shop drawings where required and obtain Engineer’s approval prior to proceeding with the fabrication and work. The contractor shall check site dimensions and make fabricated work correspond to the Approved Shop Drawings.
- ©. All metal shall be well formed to shape and size, with sharp lines or angles. Shearing and punching shall be left clean to true lines and surfaces, Shop connections shall be welded or riveted and site connections bolted unless otherwise noted. Use flat headed counter sunk rivets where riveted connections are exposed to view in finished work. Bolts shall be turned up tight, and threads nicked to prevent loosening. All bolts shall be provided with washers.
- (d). Form exposed connections with hair line joints which are flush and smooth using concealed fasteners wherever possible. If exposed fasteners are unavoidable use counter sunk flat head screws or bolts.
- (e). All preparation work to floor, walls and ceiling for fixing Glass Walls.
- (f). Raking and curved cutting where necessary.
- (g). Normal edges are deemed to include the glass work.
- (h). All sealant, mastic, setting blocks and fixing wherever necessary.
- (i). Approved beading system to Glass Walls to prevent ingress of water and air.
- (j) Metal door frames shall include for assembling, fixing with clamps, and filling with mortar, temporary supports and removal of base ties.
- (k) Floor plates, duct covers and the like shall include narrow widths laying in position and for all holes, slots and the like making good.

Joints between Glass panels shall be Butt Joints.

The contractor shall carry out glazing work according to the drawings and specifications.

Aluminium work shall be carried out by a specialised Sub Contractor who can provide the performance specification for aluminium components approved by the Engineer.

All glass in partitions, doors, windows etc., shall be 5 mm thick (unless otherwise stated) clear glass and shall be included in the rates.

The tenderer is requested to provide the details of his aluminium sub-contractor, country of origin, micronage, thickness, type and make of glasses etc., along with his tender. Samples of all items required in aluminium work shall be submitted for prior approval without any additional cost.

Rates shall include all necessary ironmongery, such as hinges, lock, hooks etc., of approved quality. (As per attached schedules)

All glass panels shall be 5 mm thick (unless otherwise stated) glass and shall be included in the rates.

All locks, floor springs, and other necessary ironmongery shall be of best quality, Union or equivalent, and to the approval of the Engineer. It is the Contractor's responsibility to get the approval for ironmongery prior to execution of work.

All units shall be complete with all necessary glazing inserts, sealing strips, gaskets, skids, weather strips, glazing beads and all necessary ironmongery.

All aluminium units shall be designed to resist penetration of external moisture to the inside of the building. Fixing of frames for all units to the building shall be such as to ensure solid, void free, water proof joints. The joints shall be caulked with a building mastic which does not sag or run and is non hardening and non-staining and can be painted.

Rates shall include approved type and quality painting works if required.

All Aluminium extrusions shall be 25 microns Anodise unless otherwise stated (Power coating thickness specified seperatly. i.e 70/80 microns)

All Aluminium extrusions shall be Anodised Sections.

15.0 WOODWORK

Method of Measurement

Sizes of sawn timber are basic. Recommended - Class I Timber.

Sizes of milled timbers are finished (including all timber treat).

All timber sizes indicated in the descriptions shall be finished sizes after planning.

Woodwork shall be deemed to be fixed with non-corroding nails and screws unless otherwise described, all plugging pelling, etc., is deemed to be included.

Screwed woodwork shall be so described and shall be deemed to be fixed with non corroding screws.

Special millings shall be described according to convention except that grooves, rebates and the like shall include for splayed grooves, rebates and the like.

Items which are to be plugged shall include for building in or drilling or cutting for and providing hardwood fixing plugs or approved proprietary fixings at 450mm centers unless specified otherwise.

Prices also to include

The Rates for woodwork shall include for the following ;

- (a) Working to size and shape including short lengths, mitres and ends.
- (b) All joints in the running length including structural joints.
- © Cutting and fitting to steelwork, trimming around openings, nothings, boring and sinkings.
- (d) Priming backs of woodwork in contract with structure with a mixture of linseed oil and red lead or as specified.
- (e) Grounds, packings or the like for woodwork in contact with or fixed to the structure or the like.
- (f) Applying two coats of an approved wood preservative before fixing.

The rates for framed woodwork shall include for proper framed joints, glueing joints, dowelling and/or screwing joints.

The Rates for milled woodwork shall include for the following.

- (a) Punching fixings below exposed surfaces and filling flush.
- (b) Any necessary sanding to remove "rippling" caused by milling machines
- © Special returned ends.
- (d) Wreaths, ramps and the like.

14. FLOOR, WALL AND CEILING FINISHES

Generally

- (a) Thickness of plaster work, bedding, backing etc. given in the description of items are the optimum thickness required.
- (b) Finished work must conform in all respect to the approved samples.
- © Pointed edges special tiles or the like to ceramic or clay tiles, marble work and the like shall be deemed to be included.
- (d) Brushing and cleaning off and damping down all backgrounds.
- (e) Square and rounded edges coving at wall, floor and ceiling junctions, quirks, wee joints and making good to frames and the like..
- (f) Dubbing out as necessary to take up tolerances in the structure and cambers in floors and the like.
- (g) Before proceed the work the sample panels of different finishes should get the approval of the Engineer. Each panel shall not less than 0.5 m² in area.

Prices also to include

Rates for wall finishes shall include for,

- (a) All temporary rules, screeds, grounds, consequent wastage etc., raking out joints of new brickwork or hacking new concrete for key, internal and coved angles, joints between different surfaces and between new and old plastering, arises, intersections between curved or irregular surfaces etc., and all making good around pipes, sanitary fittings and similar fixtures.
- (b) Expanded metal or the like in areas of different modes of construction. (e.g. Block work and concrete work.)
- © Builders work in connection with electrical installation and plumbing.
- (d) Plasterwork shall include forming door and window reveals unless separately stated or provided.
- (e) Proper finishing at fair joints and outlets, working over and around obstructions, dividing strips where applicable, and all extra work necessary for patterned work.
- (f) Making adequate space for drawing of all conduits on walls and partitions.
- (g) Curing and cleaning off / down upon completion.
- (h) All normal cutting arises, rounded edges, bedding and pointing.

Rates for floor finishes shall include for,

- (a) Treads and risers are deemed to include fair edges, internal and external angles.
- (b) Strings and aprons are deemed to include ends, angles, rammed and wreathed covers.
- © Skirting kerbs and edges of floors are deemed to include fair edges, rounded edges, covered junctions, angles, angles and the like.
- (d) Straight raking curved and circular cuttings and all consequent wastage
- (e) All setting out temporary rules, screeds, templates and supports.

- (f) Curing and cleaning off/ down upon completion.
- (g) Spacers, cover guards, etc. to tiling or the like.
- (h) All labours and making good around pipes, ducting and fittings and the like.
- (i) Finishing to slopes and cross falls.
- (j) All normal cutting arises, rounded edges, bedding and pointing.

Rates for ceiling finishes shall include for:

- (a) Leaving soffit of slab of even finish to receive ceiling finishes.
- (b) Planning of underside of frame work to receive ceiling sheets / planks.
- © Planning and grooving of timber planks if used.
- (d) All labour for making good around pipes, ducting and fittings and the like.
- (e) Framing/drilling for holes, complete with all necessary nails, spikes, screws etc.
- (f) Hoisting and fixing in position
- (g) All laps straight cutting and waist
- (h) All timber members to be treated with wood preservative.
- (i) Preparing exposed surfaces and painting as specified or directed.
- (j) Ceiling finishing accessories such as chicken mesh, angle beads and the like.

15. PAINTING

Generally

All paint materials shall be best quality and shall be prepared products of manufacturers approved by the Engineer in writing.

All surfaces to be painted shall be prepared as directed and the prepared surfaces shall be approved by the Engineer before painting.

Unevenness and fillings in plastered surfaces shall be filled with gypsum and allowed to set and sand papered to give a smooth and even surface.

Prices also to include

Rates for painting shall include for:

- (a) Include preparation of surfaces, cleaning down, smoothing knotting, stopping etc. protection of floors and fittings, removing and replacing door and window fittings if required and cleaning upon completion and the like.
- (b) Painting shall include one coat of Acrylic filler and finished with perfectly levelled paint consisting of two coats of approved colour and quality and shall be to the approval of the Engineer.

- © Painting in metal work is deemed to include work to attached holder bats, fastenings and the like.
- (d) Work to services is deemed to include work to saddles, pipe hooks, holder bats, conduit box and the like.
- (e) Painting work shall include painting door and window reveals unless separately stated or provided for.
- (f) Protecting floors and fittings etc.
- (g) Removing and replacing doors, furniture and cleaning upon completion.
- (h) Providing samples and specification of all paints to be used in the works and painting to an approved colour scheme and design.

Note:

Painting and similar work to timber surface, metal surfaces, PVC surfaces and any other surfaces requiring painting have been measured with the relevant items.

16. PLUMBING / SANITARY INSTALLATIONS AND DRAINAGE SYSTEM

Generally

Unless otherwise specified in the BOQ and the specifications, the rates for the following shall include P.V.C. piping for water service/waste water etc., such plastic piping and fittings shall comply with the standard specified in the specification.

All work shall conform to the specifications for drainage and water service and to the requirements of the local authorities and other controlling bodies.

Unless otherwise specified in the BOQ and the specifications, All pipes shall be of U.P.V.C. and the type as specified in drawings.

The diameter of piping shall be the nominal internal bore of the pipe.

Quality of sanitary fittings shall be as provided in the specifications or equivalent quality. It is Contractor's responsibility to obtain approval of the fittings prior to fixing.

Prices also to include

Rates for plumbing and drainage work shall include for:

- a) Pipes laid underground shall include necessary excavation to required gradient, earth work support, backfilling, embedding in concrete and disposal of surplus excavated material as directed, any special protection to pipes if necessary etc.
- b) The rates for excavation of trenches for services, pipes or drain pipes shall include for deepening and widening as necessary to enable the barrels of pipes, ducts, etc., to rest on trim ground and to facilitate jointing.

- c) The rates for items of imported fillings, graded gravel fillings, etc., shall include for leveling and compacting as required by the specification, grading to slopes and falls, special compacting to form vertical or battering faces, forming sinkings etc.
- d) Any special water service and drainage fittings, such as bends, tees, reducers etc., unless separately stated or provided for in the Bill of Quantities, shall be included with the pipes and rates for pipes shall include such fittings and any extra work involved for the satisfactory completion of such items.
- e) Rates for piping shall include all elbows, bends, tees, stop ends, junctions, reducers, inspection, opening and all other similar fittings and testing.
- f) Screws, nails, solder, rivets, clips, pipe hooks, saddles, brackets, sockets, running sockets, straps, connections, lagging short lengths, bowknots, nipple joints, concrete blocks and the like and all holes, chasing.
- g) Rates for piping for plumbing and drainage work shall be up to the fixing of the sanitary fixtures and appliances.
- h) Laying, chasing, burying, chipping concrete / masonry work where necessary and fixing pipes and fittings making good all worked disturbed.
- i) All laps, straight, cutting, jointing, fixing and waste of pipes.
- j) Applying painting to all exposed faces of pipe work as directed.

Sanitary Fittings

The rates for sanitary fittings and the like shall, unless otherwise described or implied, include for the following:

- (a) Assembling component parts including suitable bedding compounds.
- (b) All necessary accessories, plugging and brass screwing to working order.
- © Joints to water services with straight or bent proprietary connectors including flexible hoses
- (d) Joints to waste soils or drain pipes with approved proprietary connectors.
- (e) Cleaning off all protective wrappers and leaving ready for use.
- (f) Leaving taps and valves greased, clean and in full working order.
- (g) The Contractor shall include for the supply of manufacturers recommended spares for one years operation for all mechanical engineering installations.

Drains

The rates for pipes are to include for all short lengths, joints and couplers as necessary and for all cutting at manholes and the like.

The rates for fittings on pipes are to include for jointing to pipes with all necessary additional couplings flanges, etc. and any necessary cutting of pipe work

17. ELECTRICAL INSTALLATION

Generally

The height and the position of the lights shall be as per Engineer's approval.

It is the contractor's responsibility to get the approval of the Engineer for electrical accessories, wires etc., prior to installation.

Prices also to include

Rates for electrical work shall include for:

- (a) All conduits, conduit fittings, junction boxes, draw wire, cables, earth conductors, screws, nails, clips, brackets, straps, 3 core flexible cables, hardware, GI chains, fixing and insulation materials, cutting holes and chases in brick work, concrete work, draw wires in empty conduits etc., and making good.
- (b) All cutting, short lengths, small quantities, joints in the running lengths, pipe sleeves through walls, assembling component parts and all connections.
- (c) The contractor shall include in his rates the cost for supplying, installing and laying of all conducting, wiring, wooden plugs, wooden boxes, panel boards etc.
- (d) The contractor shall price for all switches, ceiling roses, holders, flexible codes, fan hooks etc., for all light fittings and fans (wherever necessary) main switches, earth leakage, circuit breakers etc., as shown in detail in the drawings, the quality and workmanship of which shall be to the approval of the Engineer.
- (e) Rate for light fittings shall include supply and fixing of fittings up to the fixing point of the light fitting. It is Contractor's responsibility to obtain approval for such fittings by submitting samples prior to supply and fixing in position.
- (f) Supplying, installing, testing and commissioning of the system for power and lighting. All complete to the working order and to the entire satisfaction of the engineer.
- (g) Cleaning off all protective wrappers and leaving ready for use.
- (h) Leaving all equipment, etc., and clean to full working order.
- (i) Consulting and co-operating with other trades.
- (j) Giving notices, obtaining permits, paying fees etc.
- (k) Provision of shop drawings and circuit diagrams including conduit layout drawings etc.
- (l) Labeling switch and distribution boards and other equipment. Providing samples of switches and other fittings.
- (m) Earthing the installation.
- (n) Testing installations as required by the Engineer and submission of certificate of conformance of Electrical Installations to IEE regulations by a Chartered Electrical Engineer registered with the Ceylon Electricity Board

- (o) All materials, equipment, wiring and workmanship shall conform to local codes of specification, BS Standards, latest I.E. regulations and Ceylon Electricity Board specifications.
- (p) Make and manufacture of equipment to be submitted with the tender for Engineer's approval.
- (q) As built drawings to be forwarded.

18. POINT WIRING

Rate shall include all cables, conduits, clips, earth cables, draw wire, wiring accessories, switches, socket outlets, ceiling robes, holders, fan hook, etc. hardware fixing and insulating materials, cutting holes, chases and make good.

19. MECHANICAL INSTALLATIONS

Prices also to include

- (a) All considerations arising from the specification.
- (b) Complying with the relevant Sri Lankan or British Standard and with the regulations of the local authorities.
- © Testing and commissioning as required.
- (d) Applying paint to all exposed faces of pipe work as directed.
- (e) Submitting charts/ lists indicating the country of origin and performance of all equipment offered.
- (f) Submission of shop drawings as directed.

20. FIRE FIGHTING & FIRE PROTECTION SYSTEM

The Contractor shall refer to & study all drawings and the specifications attached to the tender document & base his bid on the measurements and specials as indicated in these drawings.

Where "Item" is used to describe a quantity it is deemed that all works required to complete & commission the service is included & as such no re-measurement will be permitted on such items.

Rates shall allow for the chipping of concrete where necessary for the passage of pipes through floor slabs etc.

The contractor shall submit charts /lists indicating the country of origin & performance of all equipment offered by him. He shall also provide two (2) copies of 'as built' drawings on completion of the said works.

All equipment offered shall comply with the requirements of the CMC fire department in respect to coupling, standards etc.

Note :-

General preambles are provided, bidder to ignore any item/items if it is not applicable to particular project.

Bill of Quantities

**Proposed Restoration to Pavillion
at Wesley College, Colombo 09.**

GRAND SUMMARY			
BILL	DESCRIPTION		AMOUNT
B	PRELIMINARIES	Rs.	
C	DEMOLITION WORK	Rs.	
D	EXCAVATION AND EARTH WORK	Rs.	
E	CONCRETE WORK	Rs.	
F	MASONRY WORK	Rs.	
G	WATER PROOFING	Rs.	
H	CARPENTARY WORK	Rs.	
J	METAL WORK	Rs.	
K	ROOFING & ROOF PLUMBING	Rs.	
L	PLUMBING INSTALLATION	Rs.	
M	ELECTRICAL INSTALLATION	Rs.	
N	FLOOR, WALL & CEILING FINISHES	Rs.	
P	PAINTING WORK	Rs.	
	SUB TOTAL 1	Rs.	
	DISCOUNT (.....%)	Rs.	
	SUB TOTAL II	Rs.	
	CONTENGECIES 5%	Rs.	
	SUB TOTAL II	Rs.	
	SSCL 2.5%	Rs.	
	GRAND TOTAL (Excluding VAT) C/F TO FORM OF TENDER	Rs.	
	ADD : 15% VAT	Rs.	
	GRAND TOTAL (Including VAT)	Rs.	

No	Description	Qty	Unit	Rate	Amount
B	<p><u>PRELIMINARY WORKS</u></p> <p>The attention of the tenderer is drawn to the use of Bill of Quantities, Drawings, Conditions of Contract, Specifications and any other particulars related to this tender. It is the tenderer's responsibility to see that his price includes for complying with all the requirements of the conditions of contract and other documents whether specifically referred to in this Bill of Quantities or not.</p> <p>The tenderer is advised to visit the site of the proposed work, as it is his responsibility to ascertain the Conditions, governing access to the site, the external working space, storage area, status of the adjoining properties etc.</p> <p>The Contractor shall be responsible for any loss or damage to the works, existing structures, adjoining structures and unfixed materials.</p> <p>The Contractor shall be responsible for maintaining the site in a clean and orderly manner at all times and during the entire contract period.</p> <p>The Contractor shall be responsible for providing adequate provisions to reduce the amount of vibration, dust, pollution, nuisance and noise from the site and shall be the Contractor's responsibility for any complaints, damages or claims in connection with the works.</p> <p>The Contractor shall be responsible for erection and maintaining of necessary protective netting, fencing and other precautions to the required standard and approval of the Engineer.</p> <p>The Contractor shall be responsible for providing necessary lighting, watchmen, and other suitable security measures during construction until handing over.</p> <p>The Contractor shall be responsible for carrying out accurate survey to define the building site works etc., and check the layout and all levels and such other surveys as may be necessary to establish accurately the placing of forms and pouring of concrete and all other works and setting out in both vertical and horizontal plane.</p>		<p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p>		

No	Description	Qty	Unit	Rate	Amount
	The Contractor shall be responsible for providing and maintaining access to the site. It would be his responsibility to complete the access roads to suite the requirement of the project with necessary paving etc. to the approval of the Engineer and to ensure satisfactory maintenance of the access road for movement of plant and traffic.		Note		
	The Contractor shall be responsible for submission of programme of works to the approval of the Engineer and shall include all activities, delivery, construction, installation, testing and commissioning of components and all items associated with setting up on site shall be indicated.		Note		
	The Contractor is allowed to use the electricity and water connections available at the Site and Contractor shall pay monthly water and electricity consumptions charges to the authorities for the construction period.		Note		
	The Contractor shall be responsible for maintaining of quality and standards during construction including supplying specimen or samples of materials and equipment for approvals and for testing.		Note		
	The Contractor shall be responsible for site safety and shall maintain necessary safety equipment and procedures to the satisfaction of the Engineer.		Note		
	All temporary works shall be dismantled and cleared away from the site on completion of the work.		Note		
	Any other preliminary items not listed below but deemed to be included in the tender rates, as no extras would be made.		Note		
B.1	Allow for construction, furnishing and maintaining of temporary site office and sanitary facilities for the Engineer, Contractor and sub Contractors and storage of materials and plant and removal at completion.	1.00	Item		
B.2	Allow for supplying temporary electricity for the work during the construction including distribution system for the work, internal arrangements and all payment to the authorities (Excluding monthly bills) for temporary connection.	1.00	Item		

No	Description	Qty	Unit	Rate	Amount
B.3	Allow for supplying temporary water for the work during the construction including distribution system for the work, internal arrangements and all payment to the authorities (Excluding monthly bills) for temporary connection.	1.00	Item		
B.4	Allow for clearing of site on completion salvaging any serviceable material and stacking them neatly so as to be handed over to employer and removal of all rubbish & debris, leaving all in good condition.	1.00	Item		
	The Contractor shall obtain an insurance policy from a company or companies approved by the Engineer in writing on all risk insurance policy or policies indemnifying the Contractor, the Engineer and the Employer's staff at the site from all liabilities including claims.		Note		
B.5	Builders All Risk Insurance including strike, riots and civil commotion, third party liability, cross liability ,loss or damage to the works, clearing of debris, maintenance cover, extended maintenance visit cover, flood, fire, in land transport, construction plants and equipment at site, existing structures, adjoining structures, unfixed materials at site, materials supplied by the Employer (Actual cost for obtaining insurance cover shall be reimbursed to the Contractor subject to the maximum quoted for this item on submission of documentary evidence).	1.00	Item		
B.6	Workmen's compensation insurance including all sub Contractor's workers. (Actual cost for obtaining insurance cover shall be reimbursed to the Contractor subject to the maximum quoted for this item on submission of documentary evidence).	1.00	Item		
B.7	Allow for submission of performance bond. (Actual cost for submission of performance guarantee shall be reimbursed to the Contractor subject to the maximum quoted for this item on submission of documentary evidence).	1.00	Item		
B.8	Allow for submission of advance payment guarantee (Actual cost for submission of advance payment guarantee shall be reimbursed to the Contractor subject to the maximum quoted for this item on submission of documentary evidence).	1.00	Item		

No	Description	Qty	Unit	Rate	Amount
B.9	Allow for providing and maintaining necessary temporary safety netting for the proper execution of the work, protection of the public and occupants of the adjoining premises and for meeting the requirements of any local authority and remove on completion.	1.00	Item		
B.10	Allow for providing security facilities for site during the construction period.	1.00	Item		
B.11	Allow for commissioning Progress reports and photographs (monthly).	1.00	Item		
	<p><u>Additional Items</u></p> <p>The Contractor shall list here and price any Items shown on the drawings, mentioned in the specifications or required for the satisfactory completion of this section, but not mentioned herein. Any such Items not listed below shall be deemed to be included.</p>				
	TOTAL FOR PRELIMINARIES CARRIED TO SUMMARY				-

No	Description	Qty	Unit	Rate	Amount
C	<p>DEMOLITION WORK</p> <p>The tenderers are requested to refer the general notes, pricing preambles, drawings, specifications, conditions of contract, special conditions of contract and all other relevant documents prior to pricing of the following items.</p> <p>Bidder shall visit the site and gather all necessary information including quantities related to demolition work</p> <p>Debris arising from demolition shall be removed as soon as possible without leaving at the site.</p> <p>Use of explosives or blasting on site in demolishing shall not be allowed.</p> <p>The area or elements where the demolition works being executed shall be adequately barricaded in order to prevent entry of unauthorized personnel.</p> <p>Any temporary shoring, propping, needling and incidental purchasing of any material required shall be allowed.</p> <p>Bidder shall consider the salvage value of any materials that could be recovered from the demolished structures and services.</p> <p>All underground structures shall be removed and void shall be filled with soil and well compacted to receive new foundation.</p> <p>Contractor shall take all necessary safety precautions before starting the Works and during the progress of the works.</p> <p>Existing service connections (Electricity, Water Supply and Drainage) shall be disconnected and properly secured with necessary switches, terminators or valves as appropriate</p> <p>Contractor shall be responsible for any loss or damage to the Works, existing structures, adjoining structures and unfixed materials.</p> <p>Contractor shall be responsible for maintaining the Site in a clean and orderly manner at all times during the entire contract period.</p>		<p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p>		

No	Description	Qty	Unit	Rate	Amount
	Contractor shall be responsible in security of the Site.		Note		
	Contractor shall be responsible for re-organizing works.		Note		
	Contractor shall be responsible in using dust control and noise control operations during demolition and shall not disturb the road traffic during removal of materials and debris arising from demolition.		Note		
	Contractor is responsible in coordinating and obtaining necessary approvals and permits if necessary from statutory authorities required for the Works.		Note		
	Any temporary work used during the Works shall be dismantled and cleared away from the Site on completion of the work.		Note		
	Contractor shall keep the Site clean and tidy manner. All debris shall be removed from the		Note		
	Contractor is responsible in providing necessary scaffolding for the works and shall include for same in rate for relevant works.		Note		
	<u>Walls, partition and finishes removals</u>				
C.1	Demolish and removal of existing 225mm/112mm thick brick walls (Toilet, front entrance wall and above 2.1m area). Rate shall include disposal of all debris away from premises.	80.00	m ²		
C.2	Demolish and removal of brick wall for forming door and window openings. Rate shall include disposal of all debris away from premises.	20.00	m ²		
C.3	Demolish and removal of plaster moulding work column & arch	27.00	m		
	<u>Removal of existing roofing materials</u>				
C.4	Carefull removing of existing tile roof covering with gable side timber louver, valance board, gutters and down pipes, etc. Rate shall include for all scaffolding, temporary covering of removal roof area, safety measures, hoists, stacking carefully etc. and disposal of all debris away from premises.	300.00	m ²		

No	Description	Qty	Unit	Rate	Amount
Removal of doors and windows					
C.5	Carefully removal of existing steel grill including frame at the front & middle walls. Rate shall include disposal of all debris away from premises.	2.00	Item		
C.6	Carefully removal of existing curve shape timber frame and timber planks of front of wall facia. Rate shall include disposal of all debris away from premises.	1.00	Item		
C.7	Removal of all existing electrical wires and equipment (panel boards, lamps, fans) etc., Rate shall include disposal of all debris away from premises.	1.00	Item		
C.8	Repairing cracks on walls and columns of existing building - inner side & outer side. (Give method statement for tender stage)	30.00	m		
C.9	Demolish existing floor concrete with tile and disposal of all debris away from premises.	225.00	m ²		
C.10	Demolish existing wall tile and disposal of all debris away from premises.	75.00	m ²		
C.11	Carefully cleaning for the existing gutter walls & base and disposal of all debris away from premises.	1.00	Item		
<u>Additional Items</u>					
The Contractor shall list here and price any Items shown on the drawings, mentioned in the specifications or required for the satisfactory completion of this section, but not mentioned herein. Any such Items not listed below shall be deemed to be included.					
TOTAL FOR DEMOLITION WORK CARRIED TO SUMMARY					-

No	Description	Qty	Unit	Rate	Amount
D	<p>EXCAVATION AND EARTH WORK</p> <p>The tenderers are requested to refer the general notes, pricing preambles, drawings, specifications, conditions of contract, special conditions of contract and all other relevant documents prior to pricing of the following items.</p> <p>The tender shall refer the followings prior to pricing the items in this trade</p> <p>a. Soil condition of the site b. Specification c. Location of the site and location of each activity d. Access to the site</p> <p><u>Excavation</u></p>		Note		
D.1	Excavation for column footings and foundation	15.00	m ³		-
D.2	Disposal of excavated materials away from premises. Rate shall including loading & unloading work.	15.00	m ³		-
D.3	Backfilling and compacting Foundation with imported earth. Spread, watered and well rammed in layers. Rate shall including leveling and compacting the bottom of excavation (Imported Earth) .	11.50	m ³		Rate Only
D.4	Backfilling and compacting Foundation with available earth. Spread, watered and well rammed in layers. Rate shall including leveling and compacting the bottom of excavation (Available Earth) .	11.50	m ³		-
D.5	Allow for suitable dewatering system (Using submersible pump)	1.00	Item		Rate Only
	<p><u>Anti - Termite Treatment</u></p> <p>Anti termite treatment work shall be entrusted to a reputed Pest-Control Sub-contractor.</p> <p>Allow for anti termite treatment for barrier and colony elimination at preconstruction stage. The service provider should provide certificate in accordance with AS 3660 stating method of application and certificate of completion.</p>		Note		

No	Description	Qty	Unit	Rate	Amount
	<p>Form a complete and continuous barrier of chemically treated ground under the whole of the building under the final ground level, sides of the basement walls down to permanent water table and ground cover up to the site boundary to AS 3660.</p> <p>Provide additional treatment at the following stages</p> <ul style="list-style-type: none"> * Around the building perimeter immediately prior to laying paving against the building * Around the building or paving perimeter on completion of landscaping. * Wherever subsequent ground works such as service trenches or the like disturb previous treatments. <p>The services provider should give minimum 10 years warranty against termite treatment. The service provider should submit the list of Termiticide intended to use for Engineer's approval.</p>		<p>Note</p> <p>Note</p>		
D.6	Anti termite treatment as described above.	280.00	m ²		
D.7	Gauge 100 polythene layer just before to place ready mix Concrete.	225.00	m ²		
	<p><u>Additional Items</u></p> <p>The Contractor shall list here and price any Items shown on the drawings, mentioned in the specifications or required for the satisfactory completion of this section, but not mentioned herein. Any such Items not listed below shall be deemed to be included.</p>				
	TOTAL FOR EXCAVATION AND EARTH WORK CARRIED TO SUMMARY				-

No	Description	Qty	Unit	Rate	Amount
E	<p>CONCRETE WORK</p> <p>The tenderers are requested to refer the general notes, pricing preambles, drawings, specifications, conditions of contract, special conditions of contract and all other relevant documents prior to pricing of the following items.</p> <p>Concrete</p> <p>All concrete shall be made dense with a vibrator and finished to receive respective finishes. The type and stability shall be agreed with the Engineer prior to commencement of concreting of each item.</p> <p>Rates shall include for plant for mixing, handling, hoisting, depositing, compacting, vibrating, curing, making good after removal of formwork and for any tests as necessary.</p> <p>Rate for concrete shall include forming joints between new concrete and old concrete as per drawings and specification unless otherwise measured separately.</p> <p>Concrete mix design details to be submitted to Engineer's approval.</p> <p>Work up to DPC Level</p> <p>Grade 15, 50mm thick screed concrete layer as per drawings and specifications in to the followings</p>		Note		
E.1	Under footings	11.00	m ²		-
E.2	<p>Grade 20 concrete with BRC Mesh (200mmx200mmx6mm) complete as per drawings and specifications in to the followings</p> <p>In ground floor - 100mm thick</p>	228.00	m ²		-
E.3	<p>Grade 25 reinforced concrete complete as per drawings and specifications in to the followings</p> <p>In footings and column shafts</p>	4.00	m ³		-
	Work from ground floor level to roof level				
E.4	In Mezzanine floor slab	11.25	m ³		-
E.5	In staircase	1.50	m ³		-
E.6	In tie beams (roof level)	2.00	m ³		-
E.7	In 300mm height 200mm width concrete ledge mezzanine floor	12.70	m		-

No	Description	Qty	Unit	Rate	Amount
	<p>Formwork</p> <p>Rate shall include for all necessary boarding, supporting, application of mold oil as necessary erecting, framing, cutting angles, cleaning, wetting and treatment before placing concrete and striking or removal etc. construction joints.</p> <p>All formwork shall be in plywood not less than 15mm Thk. With application of mold oil or laid on polythene layer with suitable laps to prevent leaking with suitable up stand at edges. Scaffolding shall be adjustable G.I or steel, scaffolding system.</p> <p>Formwork of the slab soffit should be properly maintained to provide fair face finish on concrete surfaces without plastering.</p> <p>Work up to DPC Level</p> <p>Formwork in 15mm thick plywood, application of mould oil or laid on polythene layer with suitable laps to prevent leaking with suitable up stand at edges complete as per the detailed drawing and specifications.</p>		Note		
			Note		
			Note		
E.8	Sides of footings and column shafts	50.00	m ²		-
E.9	Sides of ground floor	5.00	m ²		-
	<p>Work from ground floor level to roof level</p> <p>Formwork in 15mm thick plywood, application of mould oil or laid on polythene layer with suitable laps to prevent leaking with suitable up stand at edges complete as per the detailed drawing and specifications</p>				
E.10	Sides and soffit of staircase	11.00	m ²		-
E.11	Sides of tie beams (roof level) & concrete ledge	12.00	m ²		-
	<p>Reinforcement</p> <p>The size of reinforcement rods described in the drawing or elsewhere shall be minimum size and the rolling margin and any other tolerance shall be wholly above this size. Hooks and laps have been measured with the quantities.</p> <p>All reinforcement shall be free from dirt, oil, paint, grease, or loose rust before fixing in position and shall be brushed with stiff wire brush.</p> <p>Reinforcement shall be bent cold by applying a slow even pressure on an approved type of bending apparatus.</p> <p>Rate shall include for cutting, bending, fabricating, placing in position, holding and supporting including temporary fixing supports, hangers and binding wire, ties, spaces, chairs.</p> <p>Reinforcement, complete as per drawings and specifications in to the followings.</p>		Note		
			Note		
			Note		
			Note		

No	Description	Qty	Unit	Rate	Amount
E.12	Work up to DPC Level In footings and column shafts	300.00	kg		-
	Work from ground floor level to roof level				
E.13	In Mezzanine slab & staircase	1,400.00	kg		-
E.14	In tie beams (roof level) & concrete ledge	150.00	kg		-
	<u>Lintels</u> 225mm thk reinforced concrete lintels, rate shall include for concreting, form work, reinforcement as per drawings and specifications and completing to working order				
E.15	Ground floor	8.00	m		-
	112.5mm thk reinforced concrete lintels, rate shall include for concreting, form work, reinforcement as per drawings and specifications and completing to working order				
E.16	Ground floor	15.00	m		-
E.17	Upper floor	19.50	m		-
	<u>RCC stiffner</u>				
E.18	Forming of RCC stiffner 225x150mm on sides of window openings on existing walls, rate shall include for concreting, form work, reinforcement T10 as per drawings and specifications and completing to working order	17.50	m		-
	<u>Expansion joint</u>				
E.19	Expansion joint 5mm wide in 50 mm depth groove cut with mechine	90.00	m		-
	Construction of 100mm thk. RCC vanity top slab. Rate shall including laying of black colour granite finished, brick walls plastering & painting. (Vanity basin measured seperatly)				
E.20	1100mmx600mm size	2.00	Nr		-
E.21	900mmx600mm size	1.00	Nr		-
E.22	3100mmx600mm size	1.00	Nr		-
	<u>Additional Items</u> The Contractor shall list here and price any Items shown on the drawings, mentioned in the specifications or required for the satisfactory completion of this section, but not mentioned herein. Any such Items not listed below shall be deemed to be included				
	TOTAL FOR CONCRETE WORK CARRIED TO SUMMARY				-

No	Description	Qty	Unit	Rate	Amount
F	<p>MASONRY WORK</p> <p>The tenderers are requested to refer the general notes, pricing preambles, drawings, specifications, conditions of contract, special conditions of contract and all other relevant documents prior to pricing of the following items.</p> <p>Rate shall include for reinforcement concrete vertical and horizontal stiffeners for all 100mm thk. walls exceeding 3m length and 3m height.</p> <p>All blocks shall be " Amtrad" or equivalent and as per drawings and specifications</p> <p>Rate shall include for scaffoldings</p> <p>Contractor shall finish the exterior and interior surface of blocks work neatly strictly as per the instruction of the Engineer</p> <p>Compressive strength of Hollow blocks shall be minimum 1.5 N/ mm²</p>		Note		
F.1	<p><u>Brick walls</u></p> <p>225mm thick brick work in cement and sand mortar 1:5, for new brick wall</p>	37.50	m ²		
F.2	<p>225mm thick brick work in cement and sand mortar 1:5, for raising of existing walls & gutter wall</p>	32.50	m ²		
F.3	<p>Sealing gap between top of roof tie beam & roof covering with brick work.</p>	62.00	m		
F.4	<p>Existing steel members covering with brick work.</p>	60.00	m		
	<p><u>Additional Items</u></p> <p>The Contractor shall list here and price any Items shown on the drawings, mentioned in the specifications or required for the satisfactory completion of this section, but not mentioned herein. Any such Items not listed below shall be deemed to be included.</p>				
	<p>TOTAL FOR MASONRY WORK CARRIED TO SUMMARY</p>				

No	Description	Qty	Unit	Rate	Amount
G	<p>WATER PROOFING</p> <p>The tenderer is requested to refer general notes, pricing preambles, drawings, specifications, conditions of contract, special conditions of contract and all other relevant documents prior to pricing of the following items.</p> <p>Asphalt work to be carried out by a specialist sub Contractor acceptable to the Engineer.</p> <p>Shop drawings to be submitted for prior approval of the Engineer.</p> <p>The tenderer shall submit the most suitable waterproofing system as specified to suit for different surfaces at location technically acceptable to the Engineer.</p> <p>The tenderer shall submit the following technical details along with the tender.</p> <p>(a) Type of waterproofing. (b) Brand name. (c) Country of origin. (d) Method of application. (e) Detail of guarantee (format) (f) Suitability to the nature of the surfaces. (g) Technical literature</p> <p>The main civil Contractor shall carry out civil work related to water proofing work coordinating with the specialist water proofing Contractor, and provide finishes for the items included below such as screed etc. to the satisfaction of the specialist water proofing Contractor.</p> <p>Water proofing membrane Waterproofing in concrete gutter as per structural engineer's specification ("cementitious" type water proofing material to be used). Rate shall include levelling screed sloping to drain outlet on gutter and protective screed etc.</p>		Note		
G.1	<p>RCC gutter</p> <p>Additional Items The Contractor shall list here and price any Items shown on the drawings, mentioned in the specifications or required for the satisfactory completion of this section, but not mentioned herein. Any such Items not listed below shall be deemed to be included.</p>	18.00	m ²		-
	TOTAL FOR WATERPROOFING WORK CARRIED TO SUMMARY				-

No	Description	Qty	Unit	Rate	Amount
H	<p>CARPENTRARY WORK</p> <p>Rate shall including, All timber section well seasoned and treated</p> <p>All timber section shall be class I Timber</p> <p>existing & new timber section applying paint (apply wood presevative one coate wood primer and two coat enemal matt fininshed.</p> <p><u>Timber doors and windows</u></p>				
H.1	Supply, fabricate and fix door type D1, 900mm x 2100mm size, 75mmx100mm size timber door frame, 38mm thk. Timber sash with all ironmongeries and including apply wood presevative 1 coat wood primer 2 coat enemal (matt finished) complete as per drawings and	3.00	nr		-
H.2	Supply, fabricate and fix door type D2, 750mm x 2100mm size, 75mmx100mm size timber door frame, 25mm thk. Marine plywood sash with all ironmongeries and including apply wood presevative 1 coat wood primer 2 coat enemal (matt finished) complete as per drawings and specifications.	4.00	nr		-
H.3	Supply, fabricate and fix window type FG1, 4965mm x vary size (Trainguler shape), 75mmx100mm size timber window frame, 5mm thk. Clear glass panel with all ironmongeries and including apply wood presevative 1 coat wood primer 2 coat enemal (matt finished) complete as per drawings and specifications.	2.00	nr		-
H.4	Supply, fabricate and fix window type NW1, 1800mm x 1200mm size, 75mmx100mm size timber window frame, 5mm thk. Clear glass panel with timber louver panel with all ironmongeries and including apply wood presevative 1 coat wood primer 2 coat enemal (matt finished) complete as per drawings and specifications.	4.00	nr		-

No	Description	Qty	Unit	Rate	Amount
H.5	Guard rail Supply and fix 750mm high timber handrail, consisting of 75mm x 50mm size timber top & bottom rail, 100mm x 50mm timber uprights, 20mm thk. Timber louver horizontally and including apply wood presevative 1 coat wood primer 2 coat enamel (matt finished) complete as per drawings and specifications (at staircase)	12.00	m		-
H.6	Supply and fix 600mm high GI handrail, consisting of 100mm x 50mm size timber top rail fixed to steel plate, 1.2mm thk. 100mm x 50mm timber uprights, 12mm Ø (approx.) mild steel round bars @ 100c/c uprights, complete and including apply one coat anticorrosive 2 coat enamel (matt finished) as per drawings and specifications (at staircase)	12.50	m		-
H.7	supply, fabricate & erecting of timber strip curve shape façade (match with existing). Rate shall including painting work.		Pro sum		600,000.00
H.8	Supply, fabricate & fixing of pantry cupboard unit in dining area		Pro sum		350,000.00
	<u>Additional Items</u> The Contractor shall list here and price any Items shown on the drawings, mentioned in the specifications or required for the satisfactory completion of this section, but not mentioned herein. Any such Items not listed below shall be deemed to be included.				
	TOTAL FOR METAL WORK CARRIED TO SUMMARY				

No	Description	Qty	Unit	Rate	Amount
J	METAL WORK				
	<p>The Tenderer is requested to refer drawings, specifications, conditions of contract, special conditions of contract and all other relevant documents prior to pricing of the following items.</p>		Note		
J.1	Supply and fixing powder coated zinc alum roller doors RD consisting heavy duty powder coated aluminum slats bearing a thickness of 1.2mm and height of the slat to be 83mm, center bar, pulleys, springs, dust seal, nylon strip, side plate with the racers and strip curtain (curtain measured separately), etc. (Approx. Size: 5750x3300mm with remote operated motor), complete as per drawings and specifications.	3.00	nr		-
J.2	Supply, fabricate and fix Flodable door type NFG1, 2836mm x 2400mm size, 37.5mmx37.5mmx2mm size steel box bar frame, 20mmx3mm flat iron 75mm gap vertically & horizontally panel with all ironmongeries and including apply one coat anticorrosive 2 coat enamel (matt finished) complete as per drawings and specifications.	1.00	nr		-
J.3	Supply, fabricating & erecting of 0.7mm thk. Decking sheet with shear stud, edge board and nut & bolt.	107.50	m ²		-
	<p><u>Additional Items</u></p> <p>The Contractor shall list here and price any Items shown on the drawings, mentioned in the specifications or required for the satisfactory completion of this section, but not mentioned herein. Any such Items not listed below shall be deemed to be included.</p>				
	TOTAL FOR METAL WORK CARRIED TO SUMMARY				-

No	Description	Qty	Unit	Rate	Amount
K	<p>ROOFING & ROOF PLUMBING</p> <p>The tenderers are requested to refer the general notes, pricing preambles, drawings, specifications, conditions of contract, special conditions of contract and all other relevant documents prior to pricing of the following items.</p> <p>Rates shall include for all costs associated with undertaking all precautions against fire while welding and cutting as specified.</p> <p>Rates shall include for all shop fabrication work, waste, including cutting, drilling bolting, reverting, welding, grinding, delivering, unloading, hoisting, erecting and fixing in position., complete with all nails, screws, clips, and straight and square cutting and all waste.</p> <p>Rates shall include for all establishment, plant, cartages, scaffolding and hoisting equipment etc.:</p> <p>The Contractor shall submit shop drawings for timber roof framing etc. for prior approval.</p> <p>All steel members, angle iron, steel plates shall be applied with one coat of wood preservative, two coats of primer and two coats of matt enamel paint</p> <p>All nails and screws shall be galvanized/ stainless steel/ brass finished.</p> <p><u>Modification of existing roof frame and roof covering</u></p>		<p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p>		
K.1	Existing roof frame work clean by cup brushing, replace the damage of the roof frame and roof tiles after engineer's inspection, modify to suit with the existing site condition, apply the paint as per specifications and erecting the roof covering, complete as per the drawings and specifications.		Pro Sum		1,900,000.00
K.2	Supply, fabricating & fixing of steel column with steel plate and nut & bolt. Rate shall including applying 2 coat anticorrosive paint 2 coat enamel matt.	3,840.00	kg		-

No	Description	Qty	Unit	Rate	Amount
K.3	<p>Supply, fabricating & fixing of anchor bolt in stub column. Rate shall including non chrinkage grout as per drawing.</p> <p><u>Additional Items</u></p> <p>The Contractor shall list here and price any Items shown on the drawings, mentioned in the specifications or required for the satisfactory completion of this section, but not mentioned herein. Any such Items not listed below shall be deemed to be included.</p>	1.00	Item		-
TOTAL FOR ROOFING & ROOF PLUMBING CARRIED TO SUMMARY					

No	Description	Qty	Unit	Rate	Amount
L	<p>PLUMBING INSTALLATION</p> <p>The tenderers are requested to refer the general notes, pricing preambles, drawings, specifications, conditions of contract, special conditions of contract and all other relevant documents prior to pricing of the following items.</p> <p>The offer shall be for the complete and fully functioning system. BOQ items are only for major equipment and the quoted price shall include for all the necessary items for the complete and fully functioning of the system.</p> <p><u>Extent of Work</u></p> <p>The extent of the work as provided for in this bill of quantities shall consist of all the items covered under the Specifications.</p> <p>Rates for all items shall be inclusive of the</p> <p>a) Provisions of holes, chases etc. b) All necessary scaffoldings. c) Contractor's overheads & profits. d) Providing of samples, tests, specimens etc. for such items of work as required by the Engineer.</p> <p><u>Plumbing & Drainage Work</u></p> <p>Rate for piping shall include for all screws, nails, clips, saddles, brackets, thrust blocks or any such items required for the installation.</p> <p>Rate for piping shall also include for all the bends, tees, cleaning eye, reducers junctions etc. and for testing of each length of piping.</p> <p>All the work shall conform to the requirements of the relevant local Authorities.</p> <p><u>Water supply and distribution system</u></p> <p>supply & laying water delivery pipe lines (uPVC PNT 11 as per the specification) - floor distribution as connected to sanitary fittings laid under floor or buried inside wall as directed and repairing walls after plumbing</p>		Note		
L.1	32mm diameter with accessories	30.00	m		-
L.2	25mm diameter with accessories	30.00	m		-
L.3	20mm diameter with accessories	35.00	m		-
L.4	<p>Isolating valves with valve socket All valves shall be Pegler-UK or equivalent 32mm dia.</p>	1.00	nr		-

No	Description	Qty	Unit	Rate	Amount
L.5	20 mm dia.	5.00	nr		-
L.6	Valve pit having 300x300x 300 mm internally as per drawings with concrete cover	1.00	nr		-
Sanitary fittings and accessories					
L.7	Supply and installation of water closet with low level cistern with angle valve, flexible connection, fixed as including water supply and waste water connection all complete to working order. (PC rate - WC 55,000/=)	4.00	nr		-
L.8	Supply and installation of vanity top type wash basin with angle valve, flexible connection, chromium plated pillar tap, rubber plug and chromium plated chain waste, bottle trap fixed as including water supply and waste water connection all complete to working order. (PC rate - WB 48,000/= & Tap - 15,000/=)	5.00	nr		-
L.9	Supply and installation of urinal sensor type valve with angle valve, flexible connection, fixed as including water supply and waste water connection all complete to working order. (PC rate - Ur 32,000/= & flush valave - 15,000/=)	1.00	nr		-
L.10	Supply and installation of chromium plated shower with concealed valve, fixed as including water supply and waste water connection all complete to working order. (PC rate - Sh 25,000/= & Consealed valave - 9000/=)	1.00	nr		-
L.11	Supply and installation of 450mmx600mm size mirror, fixed. (PC rate - 7,000/=)	5.00	nr		-
L.12	Supply and installation of 150mmx150mm size floor gully with SS grating	7.00	nr		-
L.13	Supply and installation of chromium plated towel rail (PC - 6000/=)	2.00	nr		-
L.14	Supply and installation of chormium plated bidey spray (PC - 7500/=)	4.00	nr		-
L.15	Supply and installation of chormium plated soap tray (PC - 3000/=)	5.00	nr		-
L.16	Upgrade of existing wash rooms at changing room 1 & 2 including supply and installation of sanitary fittings & accessories, wall tiles & floor tiles.	Pro Sum			750,000.00

No	Description	Qty	Unit	Rate	Amount
	Drainage system supply & laying uPVC PNT 7 c/w fittings, supports and all accessories for internal waste water pipes up to the particular stack				
L.17	75mm dia.	10.00	m		-
L.18	63mm dia.	15.00	m		-
L.19	50mm dia.	8.00	m		-
L.20	Waste/Sewer manhole type 450x450mm internally as per drawings with invert depth not exceeding 900mm including excavation and back filling, 150mm thick RCC grade 30 foundation including necessary reinforcement forming channels and benching, 100mm thick grade 25 concrete walls, D/iron covers (450x450mm) with lifting arrangement. Inlet and outlet connections to complete the manhole.	3.00	nr		-
L.20	Waste/sewer water manhole type 600x600mm internally as per drawings with invert depth not exceeding 900mm including excavation and back filling, 100mm thick RCC grade 30 foundation including necessary reinforcement forming channels and benching, 100mm thick grade 25 concrete walls, D/iron 450x450mm double seal cast iron manhole covers with lifting, arrangement. Inlet and outlet connections to complete the manhole.	3.00	No		-
L.21	Interceptor manhole type 600x600mm internally as per drawings with invert depth not exceeding 900mm including excavation and back filling, 150mm thick RCC grade 30 foundation including necessary reinforcement forming channels and benching, 100mm thick grade 25 concrete walls, D/iron 450x450mm double seal cast iron manhole covers with lifting. Inlet and outlet connections to complete the manhole.	1.00	nr		Rate only
L.22	Supply and placing of pre cast septic tank (2400mm length 900 dia) including 300x300mm D/iron double seal covers laid on RCC slab as per detail drawing. Cost shall be with excavation and back filling as per detail.	1.00	Item		-
L.23	Supply and placing of pre cast 900mm diameter , 2400mm height Soakage & waste pit with 300x300mm D/iron laid on RCC slab. Cost shall be with excavation and back filling.	2.00	nr		-

No	Description	Bill of Quantities		
		Qty	Unit	Amount
L.24	supply & laying uPVC PNT 7 pipes including excavation and back filling with suitable foundation and top concrete protection with all fittings and accessories 110 mm dia	30.00	m	-
L.25	Preparation of shop drawings	1.00	item	-
L.26	Preparation of As-built drawings	1.00	item	-
L.27	Testing and commissioning of total plumbing	1.00	item	-
	<p><u>Additional Items</u> The Contractor shall list here and price any Items shown on the drawings, mentioned in the specifications or required for the satisfactory completion of this section, but not mentioned herein. Any such Items not listed below shall be deemed to be included.</p>			
TOTAL FOR PLUMBING INSTALLATION CARRIED TO SUMMARY				

No	Description	Qty	Unit	Rate	Amount
M	<p>ELECTRICAL INSTALLATION</p> <p>The tenderers are requested to refer the general notes, pricing preambles, drawings, specifications, conditions of contract, special conditions of contract and all other relevant documents prior to pricing of the following items.</p> <p>The offer shall be for the complete and fully functioning system. BOQ items are only for major equipment and the quoted price shall include for all the necessary items for the complete and fully functioning of the system.</p> <p>Ground floor & upper floor</p> <p>Main electrical supply</p>		Note		
M.1	<p>Upgrade of existing main distribution board at main building including supply and installation of MCB with all necessary accessories.</p>		Pro Sum		125,000.00
M.2	<p>Supply and installation of 3 phase Main Distribution Board including MCBs, RCDs, Surge protectors, bus bars, terminals, enclosure and all required accessories. Quantity and current rating of equipment to be installed in panel board shall be as given in the drawings.</p> <p>Main Distribution Board (MDB) at ground floor, wall mounted type</p>		Pro Sum		250,000.00
M.3	<p>Earthing system</p> <p>Supply and installation of earth pit including earth electrode (Earth rod or plate) and all accessories as per B.S 6651 standard for earthing to achieve an earth resistance of less than 10 ohms.</p>	1.00	Item		-
M.4	<p>Cables</p> <p>Supply and installation of 600/1000V main feeder cable in PVC conduit, XLPE insulated or PVC insulated, PVC sheathed, copper conductor cable with four core.</p> <p>Rate to include for supply and installation of cable terminations at both ends and necessary glands</p>		Note		
M.4	<p>Power cable from external power source (Main Distribution Board of the main building) to MDB of new building: 1 x 4C x 6sqmm Cu/XLPE/SWA/PVC cable including termination cost at both ends.</p>	30.00	m		-

No	Description	Qty	Unit	Rate	Amount
	<p>Final sub circuit point wiring Supply all materials and provide final sub circuit point wiring for the following outlets with PVC conduit, 10A switches and connectors Including other materials required to make complete installation as specified and as shown in the electrical drawings.</p>				
M.5	Wiring of light point using 2x1Cx1Sqmm Cu/PVC/PVC and 1Cx1.5 sqmm PVC/Cu earth cable in PVC conduits and controlled by a 10A switch.	40.00	nr		-
M.6	Wiring of two way light point using 2x1Cx1Sqmm Cu/PVC/PVC and 1Cx1.5 sqmm PVC/Cu earth cable in PVC conduits and controlled by 10A two way switches.	2.00	nr		-
M.7	Wiring of ceiling fan point using 2x1Cx1.5 Sqmm Cu/PVC/PVC and 1Cx1.5 sqmm PVC/Cu earth cable in PVC conduits and controlled by a 10A switch and a fan regulator.	10.00	nr		-
M.8	Wiring of wall mounted fan point using 2x1Cx2.5 Sqmm Cu/PVC/PVC and 1Cx2.5 sqmm PVC/Cu earth cable in ring circuit with PVC conduits, 13A switched socket outlet and fixing accessories at high level.	3.00	nr		-
M.9	Wiring of 13A switched socket outlet using 2x1Cx2.5Sqmm Cu/PVC/PVC and 1Cx2.5Sqmm Cu/PVC earth cable in ring circuit with PVC conduits c/w PVC conduit and fixing accessories.	11.00	nr		-
	<p>Supply and installation of lighting fixtures / fans Supply & installation of the following lighting fixtures/ fans with all accessories as per the specifications of lighting fixtures.</p>				
M.10	20W LED soffit mounted or pendent light (PC - 20,000.00)	39.00	nr		-
M.11	12W LED Wall mounted light (PC - 10,000.00)	3.00	nr		-
M.12	KDK Ceiling Fan of 1400mm sweep diameter (PC - 35,000.00)	10.00	nr		-
M.13	KDK Wall Fan of 1400mm sweep diameter (PC - 25,000.00)	3.00	nr		-

No	Description	Qty	Unit	Rate	Amount
	Final document				
M.14	Preparation of Shop Drawings, As-built drawings, operation and Maintenance manuals	1.00	Item		-
M.15	Obtain a Chartered Electrical Engineer's Certificate for the final testing and commissioning report as per the requirement	1.00	Item		-
	Additional Items				
	The Contractor shall list here and price any Items shown on the drawings, mentioned in the specifications or required for the satisfactory completion of this section, but not mentioned herein. Any such Items not listed below shall be deemed to be included.				
	TOTAL FOR ELECTRICAL INSTALLATION CARRIED TO SUMMARY				

No	Description	Qty	Unit	Rate	Amount
N	<p>FLOOR, WALL & CEILING FINISHES</p> <p>The tenderers are requested to refer the general notes, pricing preambles, drawings, specifications, conditions of contract, special conditions of contract and all other relevant documents prior to pricing of the following items.</p> <p>The Contractor shall submit samples of all materials, tile layout etc. for prior approval of the Engineer as necessary.</p> <p>The Contractor shall use adhesives compatible with properties of tile, etc. material as per manufacturer's instruction of which shall not effect to any discolorations on the surface of tiles, discolorations on the surface of tiles, etc. to be rectified by the Contractor by replacing the same if necessary without any additional cost to the Employer.</p> <p>The tenderer is requested to refer the General Note, Pricing Preambles, Drawing, Specification, Condition of Contract, Special Conditions of Contract and other relevant documents prior to pricing of the following items.</p> <p>Rates shall include for all temporary rules, screeds, grounds etc.; for raking out knots of new brick work, hacking new concrete for internal and curved angles, cuttings, arises, quirks, intersections between curved and irregular pipes, bedding and pointing and making good of different surfaces, sanitary fittings and similar fixtures and cleaning down upon completion.</p> <p>Rates shall include for door and window reveals, plaster bands, tapered work, recesses, patterned work and the like. No additional payment shall be made.</p> <p>Tile sample should be provided for approval by the Engineer.</p> <p>Contractor shall refer the finishing schedule and the Specification for relevant areas and finishes.</p> <p>All timber sections shall be well seasoned class one timber members with wood preservative with spray paint as per the instructions.</p> <p>Ceiling rate shall include making holes for electrical fittings and painting.</p>		<p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p>		

No	Description	Qty	Unit	Rate	Amount
	<u>Floor Finishes</u>				
	Cement rendered finish including 20mm thick 1:3 cement sand bedding finish with neat cement putty with necessary expansion joint complete as per the drawings and specifications.				
N.1	In plinth beam	30.00	m ²		-
N.2	600x600mm semi rough nonskid homogeneous floor tiles laid on 20mm thk. 1:5 cement sand bedding including tile adhesive as specified by tile supplier with 3mm joints grouted with waterproof grout and matching colours, complete as per the drawings and specifications. (Brand 'Rocell or Lanka Tiles' or equivalent, Prime Cost Rs. 2,000.00 per tile)	35.00	m ²		-
N.3	100mm high Tile skirting with cement bed	12.00	m		-
N.4	Neat cement rendering in RCC gutter, complete as per the drawings and specifications.	18.00	m ²		-
	Supply & laying of High performance - UV light stable, pigmented hybrid PU coating system (Semi gloss finish - Non slip type) on smooth power trowelled finished floor complete as per manufacturer's specifications. (sample approved by engineer)				
N.5	In Ground floor	200.00	m ²		-
N.6	In Mezzanine floor with staircase	108.00	m ²		-
	PU coating skirting				
N.7	In Ground floor	62.00	m		-
N.8	In Mezzanine floor with staircase	53.40	m		-
	Power troweled RCC Floor finish with floor in ground floor & Mezzanine floor (without floor hardener)				
N.9	In Ground floor	200.00	m ²		-
N.10	In Mezzanine floor	108.00	m ²		-
	<u>Wall Finishes</u>				
	Rates for plastering shall includes for forming doors and windows reveals.		Note		
	Rates for plastering shall includes for expanded metal lath at different mode of materials used.		Note		
	<u>Internal wall plaster</u>				
	Internal plaster in new brick walls in cement, sand 1:5 to a thickness not less than 16 mm finished smooth to trowel including forming door and window reveals to the following				
N.11	In ground level to roof level	150.00	m ²		-

No	Description	Qty	Unit	Rate	Amount
N.12	Wire brush & clean surfaces of existing walls in the following In ground level to roof level	243.00	m ²		-
N.13	Wall Tile 600x300mm glazed wall tiles laid on 20mm thk. 1:5 cement sand bedding including tile adhesive as specified by tile supplier with 3mm joints grouted with waterproof grout and matching colours, complete as per the drawings and specifications. (Brand 'Rocell or Lanka Tiles' or equivalent, Prime Cost Rs. 1,600.00 per tile)	115.00	m ²		-
N.14	External wall plaster External plaster in new brick/ block walls & columns in cement and sand 1:5 to a thickness not less than 18mm thick finished semi rough to walls and columns in the following. In ground level to roof level	60.00	m ²		-
N.15	Cleaning and shaving off uneven surfaces of existing walls in the following. In ground level to roof level	243.00	m ²		-
N.16	Ceiling Finishes Exposed soffit finish with 18mm tk. 1:3 cement : sand plaster finished smooth to trowel on soffit of slab to the satisfaction of the Engineer, complete as per the drawings and specifications. (Type C2) In ground to upper floor level - staircase & Gutter	20.00	m ²		-
N.17	Construction of arch with plaster moulding (match the existing)	1.00	Item		-
	Additional Items The Contractor shall list here and price any Items shown on the drawings, mentioned in the specifications or required for the satisfactory completion of this section, but not mentioned herein. Any such Items not listed below shall be deemed to be included.				
	TOTAL FOR FINISHES WORK CARRIED TO SUMMARY				-

No	Description	Qty	Unit	Rate	Amount
P	<p><u>PAINTING WORK</u></p> <p>The tenderers are required to refer the general notes, pricing preambles, drawings, specifications, conditions of contract, special conditions of contract and all other relevant documents prior to pricing of the following items.</p> <p>Internal painting shall be interior quality emulsion paint in an approved color and manufacture, and color to suit with the environment, climate and location of this project.</p> <p>External painting shall be exterior quality weather resistant paint in an approved color and manufacture, and color to suit with the environment, climate and location of this project and must be applied over one coat of primer.</p> <p>Rate for painting shall include for painting to door and window reveals.</p> <p>The Contractor shall prepare a sample area or sample board bearing finish coating and submit the same to the Engineer's approval.</p> <p><u>Internal wall painting</u></p> <p>Internal paint on new plastered surfaces with application of wall putty, 1 coat of filler and 2 coats of emulsion paint as per manufacturer's specification (of approved colour) and sample approved by consultant. The contractor to submit the methodology specified by manufacturer for approval by consultant prior to ordering of any material. Ideally the painting is required to carry a life span of more than 3 years as assured by manufacturer.</p>		Note		
P.1	<p>In ground floor to roof level</p> <p>Internal paint on existing plastered surfaces with application of 1 coat of filler and 2 coats of emulsion paint as per manufacturer's specification (of approved colour) and sample approved by consultant. Ideally the painting is required to carry a life span of more than 3 years as assured by manufacturer.</p>	150.00	m ²		-
P.2	<p>In ground floor to roof level</p> <p><u>External wall painting</u></p> <p>External paint on new plastered surfaces with application of 01 coat of recommended primer and sealer ,02 coats of crack bridging wall primer and 02 coats of weather resistant emulsion as per manufacturer's specifications (05 coat system to be used for painting). The contractor to submit the methodology specified by manufacturer for approval by consultant prior to ordering of any material. Colour shall be as approved by consultant. Ideally the painting is required to carry not less than 03 years warranty / guarantee by manufacturer.</p>	243.00	m ²		-
P.3	<p>In ground floor to roof level</p>	60.00	m ²		-

No	Description	Qty	Unit	Rate	Amount
	External paint on existing plastered surfaces with application of 01 coat of recommended primer and sealer, 02 coats of crack bridging wall primer and 02 coats of weather resistant emulsion as per manufacturer's specifications (05 coat system to be used for painting). The contractor to submit the methodology specified by manufacturer for approval by consultant prior to ordering of any material. colour shall be as approved by consultant. Ideally the painting is required to carry not less than 03 years warranty / guarantee by manufacturer.				
P.4	In ground floor to roof level	243.00	m ²		-
P.5	In plinth	30.00	m ²		-
	<u>Ceiling painting</u>				
	Soffit paint on plastered surfaces with application of wall putty, 1 coat of filler and 2 coats of emulsion paint as per manufacturer's specification (of approved colour) and sample approved by consultant. The contractor to submit the methodology specified by manufacturer for approval by consultant prior to ordering of any material. Ideally the painting is required to carry a life span of more than 3 years as assured by manufacturer.				
P.6	In ground to upper floor level - staircase & Gutter	20.00	m ²		-
P.7	Clean the existing steel members with cup brush. Rate shall including supply & applying 2 coat of anticorrosive and 2 coat of enamel paint.		Pro Sum		450,000.00
P.8	Clean and repair the existing timber doors & windows. Rate shall including supply & applying 2 coat of enamel paint.		Pro Sum		250,000.00
	<u>Additional Items</u>				
	The Contractor shall list here and price any Items shown on the drawings, mentioned in the specifications or required for the satisfactory completion of this section, but not mentioned herein. Any such Items not listed below shall be deemed to be included.				
	TOTAL FOR PAINTING WORK CARRIED TO SUMMARY				

SECTION – 8

Drawings

SECTION – 9

Standard Forms (Bid)

- **Bid Security**
- **Bid Securing Declaration**

FORM OF BID SECURITY

[this Guarantee form shall be filled in accordance with the instructions indicated in brackets]
 ----- *[insert issuing agency's name, and address of issuing branch or office]*

Beneficiary: -----
[insert (by PE) name⁵⁹ and address of Employer]

Date: ----- *[insert (by issuing agency) date]*

BID GUARANTEE No.: ----- *[insert (by issuing agency) number]*

We have been informed that ----- *[insert (by issuing agency) name of the Bidder]* (hereinafter called "the Bidder") has submitted to you its bid dated ----- *[insert (by issuing agency) date]* (hereinafter called "the Bid") for the execution of *[insert name of Contract]* under Invitation for Bids No. ----- *[insert IFB number]* ("the IFB").

Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid Guarantee.

At the request of the Bidder, we ----- *[insert name of issuing agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- *[insert amount in figures]* ----- *[insert amount in words]* upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
- (c) having been notified of the acceptance of its Bid by the Employer during the period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This Guarantee shall expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the Bidder and of the Performance Security issued to you by the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of the successful bidder furnishing the performance security, otherwise it will remain in force up to ----- *(insert date⁶⁰)*

Consequently, any demand for payment under this Guarantee must be received by us at the office on or before that date.

[signature(s) and name(s) of authorized representative(s)]

⁵⁹ Name of the Employer as given in Sub-Clause 1.1 of the Instructions to Bidders

⁶⁰ Insert date in accordance with Sub-Clause 16 of Instruction to Bidders

FORM OF BID SECURING DECLARATION

*[If required, the Bidder shall fill in this form in accordance with the instructions indicated in brackets: * delete as appropriate]*

Name of contract ----- *[insert name by PE]*

Contract Identification N^o: ----- *[insert number by PE]*

Invitation for Bid No.: ----- *[insert number by PE]*

To: ----- *[insert the name of the Employer preferably PE to fill before issuing the bidding document]*

I/We*, the undersigned, declare that:

1. I/We* understand that, according to instructions to bidders (hereinafter "the ITB"), bids must be supported by a bid-securing declaration;
2. I/We* accept that we shall be suspended from being eligible for contract award in any contract where bids have being invited by any of the Procuring Entity as defined in the Procurement Guidelines published by National Procurement Agency of Sri Lanka, for the period of time of *three years starting on the latest date set for closing of bids of this bid*, if I/We:
 - (a) withdraw our Bid during the period of bid validity specified; or
 - (b) do not accept the correction of errors in accordance with the Instructions to Bidders of the Bidding Documents; or
 - (c) having been notified of the acceptance of our Bid by you, during the period of bid validity, (i) fail or refuse to execute the Contract Form, if required, or (ii) fail or refuse to furnish the performance security, in accordance with the ITB.
3. I/We* understand if we are not the successful bidder, this bid securing declaration shall expire upon the earlier of (i) the successful bidder furnishing the performance security; or (ii) twenty-eight days after the expiration of the validity of the bid.

Signed *[insert signature(s) of authorized representative]*

In the Capacity of *[insert title]*

Name *[insert printed or typed name]*

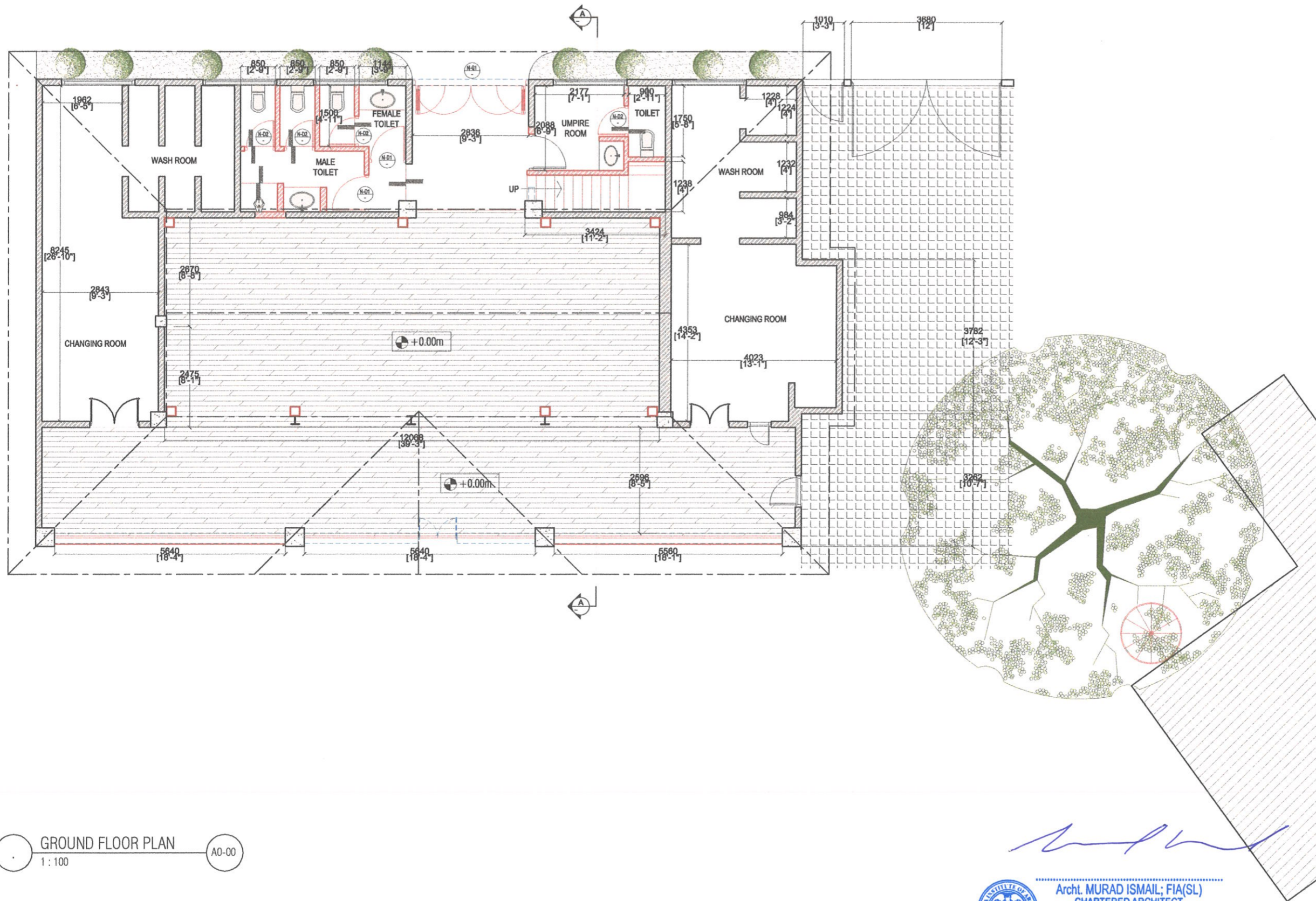
Dated on *[insert day]* day of *[insert month]*, *[insert year]*



Check List for Bidders

Bidders are advised to fill the following table:

ITEM	ITB Clause	YES (tick)	REFERENCE
Form of Bid			
Addressed to the Employer ?	18		
Completed ?	18		
Signed ?	18		
Bid Securing Declaration Form (if required)			
Properly filled and signed	16		
Bid Security (if required)			
Addressed to the Employer ?	16		
Format as required?	16		
Issuing Agency as specified?	16		
Amount as requested?	16		
Validity 28 days beyond the validity of Bid?	16		
Qualification Information			
All relevant information completed ?	4		
Signed?	4		
Addendum			
Contents of the addendum (if any) taken in to account ?	10		
BID package			
All the documents given in ITB Clause 12 enclosed in the original and copy ?	12		
ITB Clause 19 followed before Sealing the Bid Package ?	19		



General Note(s) :

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NO.	REVISION / ISSUE	DATE

TENDER DRAWING

- New Wall Shown thus
- Existing Wall Shown thus
- Wall to be Demolished

Dwg. Title :
GROUND FLOOR PLAN

Project Title :
WESLEY COLLEGE PAVILION

Architects :
ATS C
ATS Consultant (pvt) Ltd
56 Rev. Dhammarathane Mawatha,
Madiwela, Kotte, Sri Lanka
Tel. +94-11 2 799288 - 92 Fax. +94-11 2 799053
E-mail : miod@atc.lk

Date **02-08-2023** Drawn By *Buddini*
Scale **1 : 100** Checked/Approved *Amith*

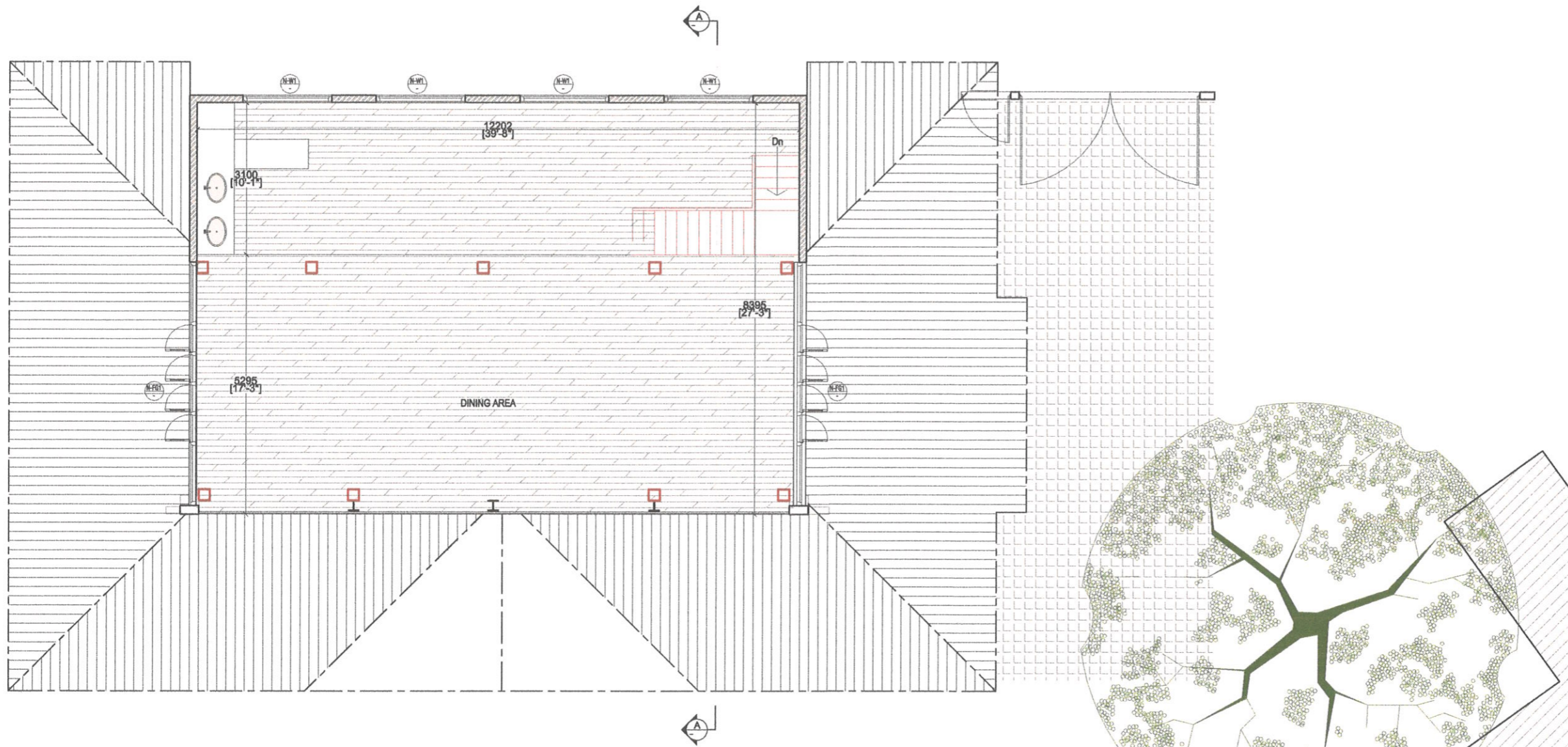
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2023/ATSC/WC/ARIA/1-01

Sheet No **A 1-01** Sheet Size **A3**
Rev. No :

GROUND FLOOR PLAN
1 : 100 A0-00

(Signature)


Archt. MURAD ISMAIL; FIA(SL)
CHARTERED ARCHITECT
REGISTRATION No. CA 98122
ARCHITECTS REGISTRATION BOARD
GAZETTE REF. No: 2316/61 of 27.01.2023



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NO.	REVISION / ISSUE	DATE

TENDER DRAWING

Dwg. Title :

MEZZANINE FLOOR PLAN

Project Title :

WESLEY COLLEGE PAVILION

Architects :

ATS C

ATS Consultant (pvt) Ltd

56 Rev. Dhammarathana Mawatha,
Madiwela, Kotte, Sri Lanka
Tel - +94-11 2 799298 - 92 Fax - +94-11 2 799053
E - mail : mtc@atc.lk

Date **02-08-2023** Drawn By *Buddini*

Scale **1 : 100** Checked/Approved *Amith*

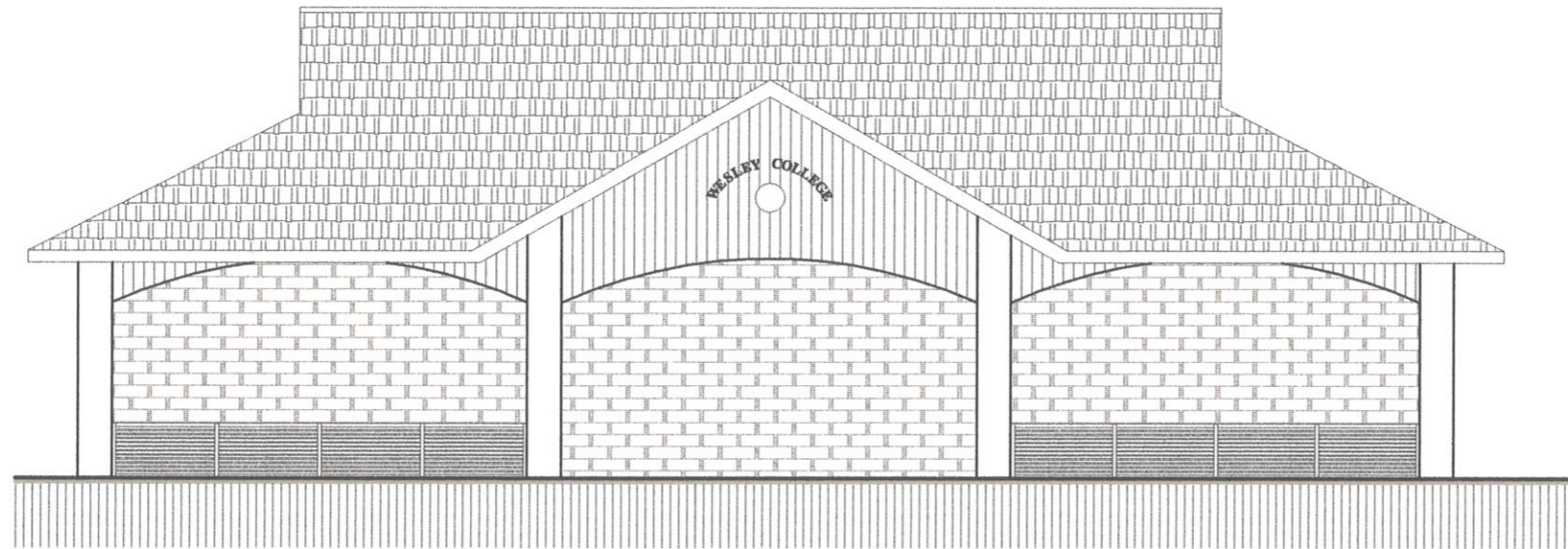
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Sheet No Sheet Size **A3**

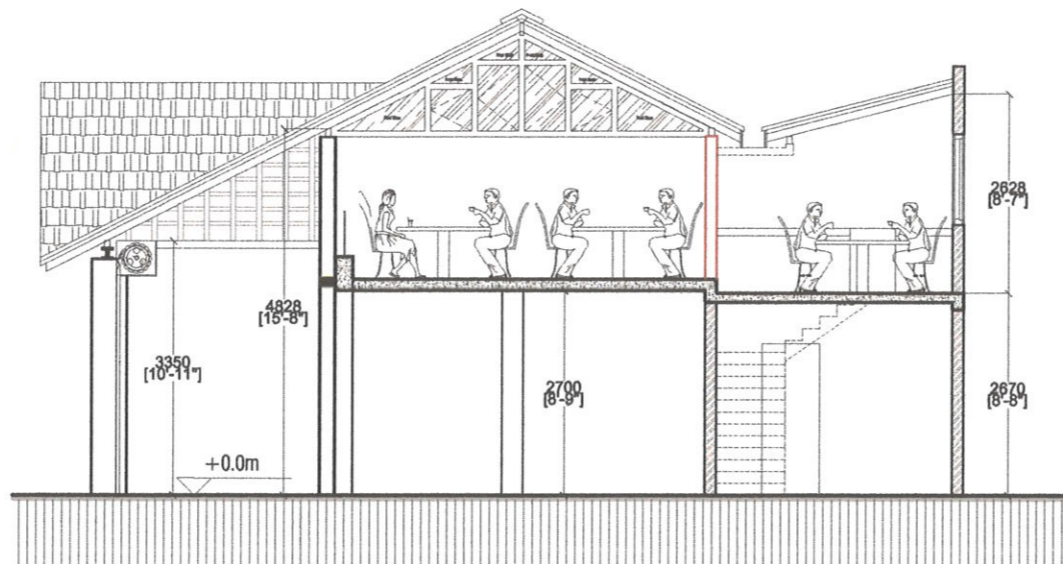
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MEZZANINE FLOOR PLAN
1 : 100 A0-00

Murad Ismail
Arch. MURAD ISMAIL; FIA(SL)
CHARTERED ARCHITECT
REGISTRATION No. CA 98122
ARCHITECTS REGISTRATION BOARD
GAZETTE REF. No: 2316/61 of 27.01.2023



FRONT ELEVATION
1:100



SECTION A - A
1:100

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NO.	REVISION / ISSUE	DATE

TENDER DRAWING

Dwg. Title :

FRONT ELEVATION
&
SECTION A - A

Project Title :

WESLEY COLLEGE
PAVILION

Architects :

ATS C

ATS Consultant (pvt) Ltd

56 Rev. Dhammarathane Mawatha,
Madiwela, Kotte , Sri Lanka
Tel - +94-11 2 799288 - 92 Fax - +94-11 2 799033
E - mail : misc@atc.lk

Date
02-08-2023

Drawn By
Buddini

Scale
1 : 100

Checked/Approved
Amith

Dwg. No
2023/ATSC/WC/ARIA1-03

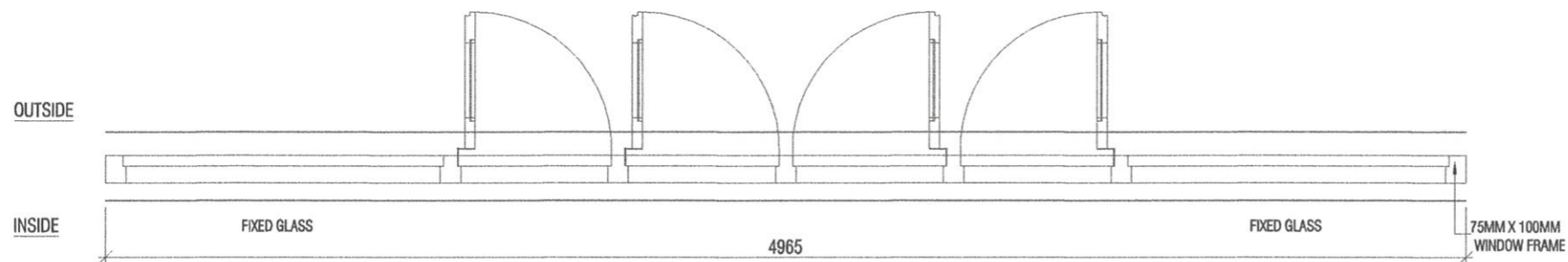
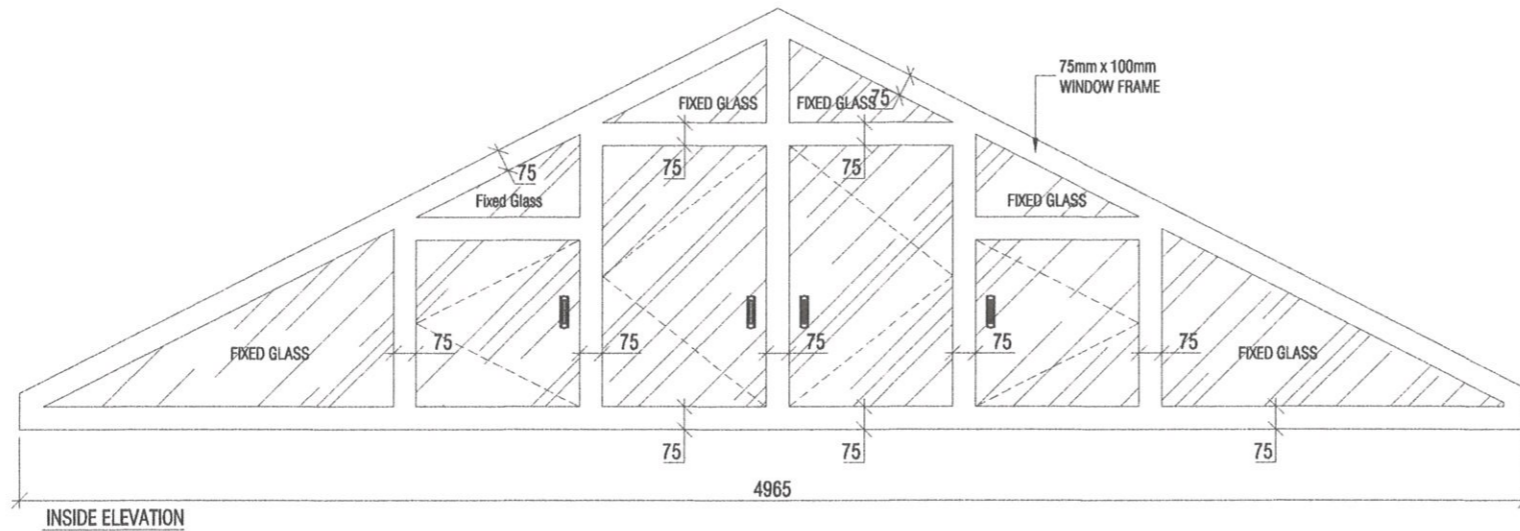
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A1-03

Sheet Size
A3

Rev. No :
-



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CHARTERED ARCHITECT
REGISTRATION No. CA 98122
ARCHITECTS REGISTRATION BOARD
GAZETTE REF. No: 2316/61 of 27.01.2023



N-FG1 - FIXED GLASS DETAIL

General Note(s) :

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NO.	REVISION / ISSUE	DATE

TENDER DRAWING

Dwg. Title :

DOORS AND WINDOWS DETAILS

Project Title :

WESLEY COLLEGE PAVILION

Architects :

ATS C

ATS Consultant (pvt) Ltd

56 Rev. Dhammarathane Mawatha,
Madiwala, Kotte, Sri Lanka
Tel - +94-11 2 799288 - 92 Fax - +94-11 2 799053
E - mail : mtc@col.k

Date **02-08-2023** Drawn By *Buddini*

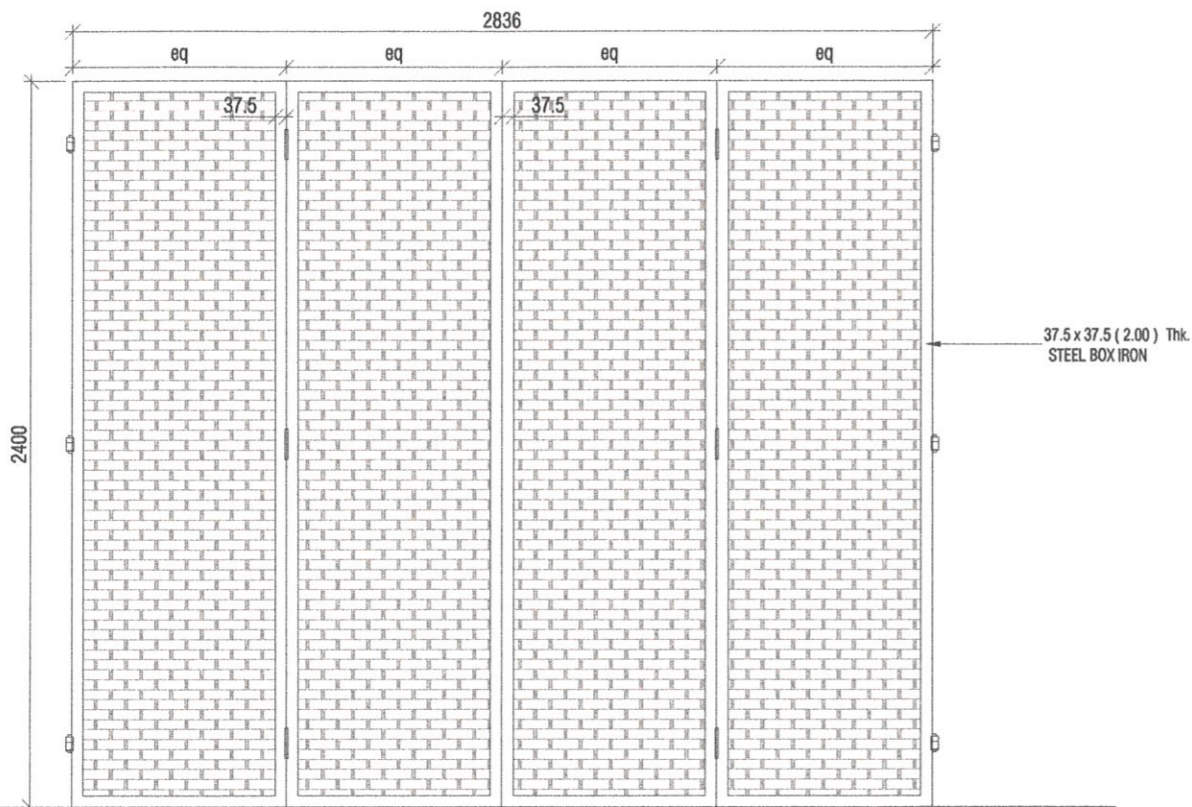
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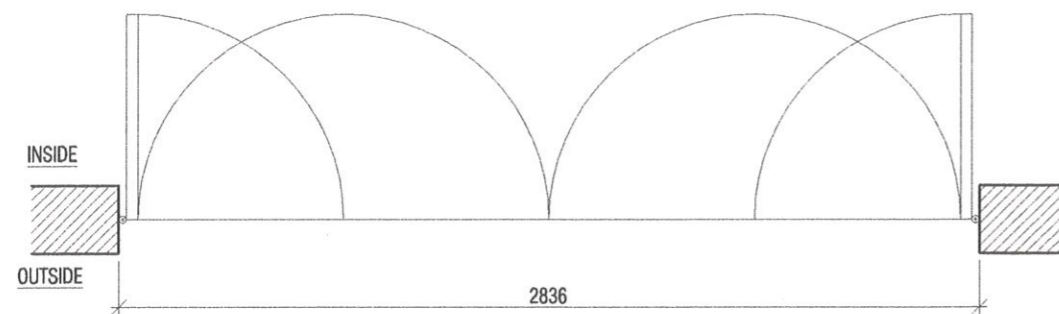
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Rev. No :	■



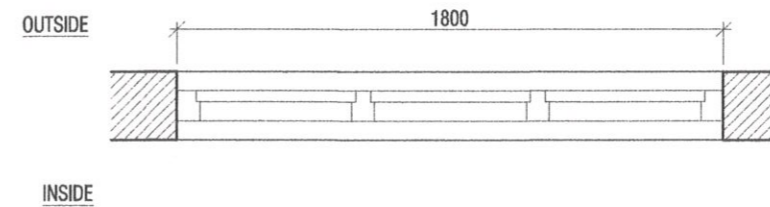
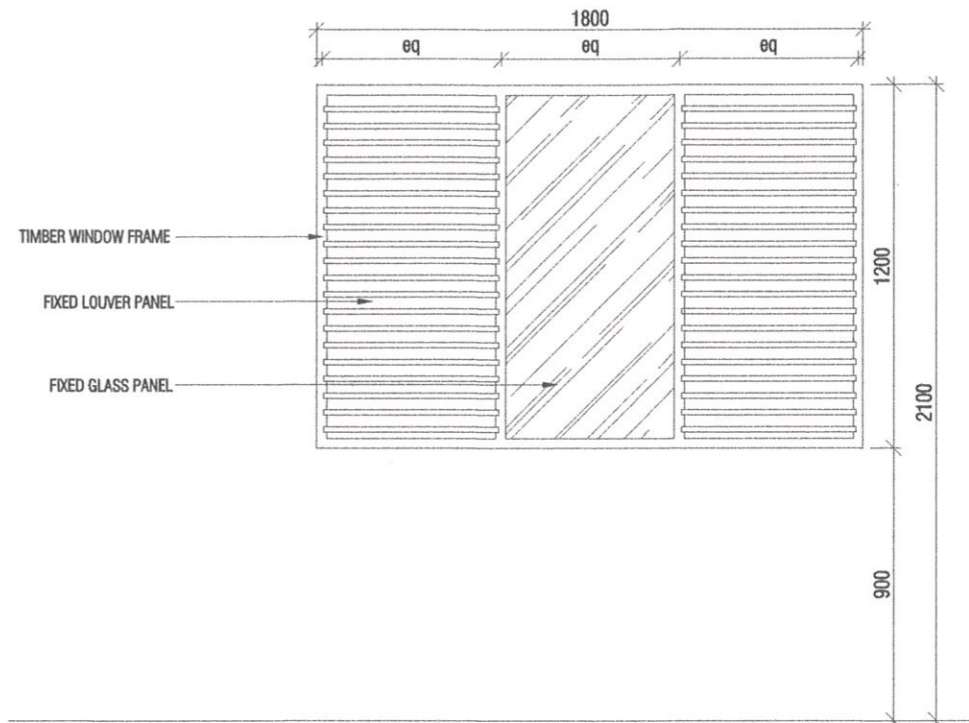
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CHARTERED ARCHITECT
REGISTRATION No. CA 98122
ARCHITECTS REGISTRATION BOARD
GAZETTE REF. No: 2316/61 of 27.01.2023



INSIDE ELEVATION



(N-FG1) - GATE DETAIL



(N-G1) - FIXED GLASS DETAIL

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NO.	REVISION / ISSUE	DATE

TENDER DRAWING

Dwg. Title :

DOORS AND WINDOWS DETAILS

Project Title :

WESLEY COLLEGE PAVILION

Architects :

ATS C

ATS Consultant (pvt) Ltd

56 Rev. Dhammarathane Mawatha,
Mediwela, Kotte, Sri Lanka
Tel : +94-11 2 799288 - 92 Fax : +94-11 2 799053
E-mail : miod@col.lk

Date **02-08-2023** Drawn By *Buddini*

Scale **1 : 25** Checked/Approved *Smith*

Dwg. No **2023/ATSC/WCI/ARIA2-02**

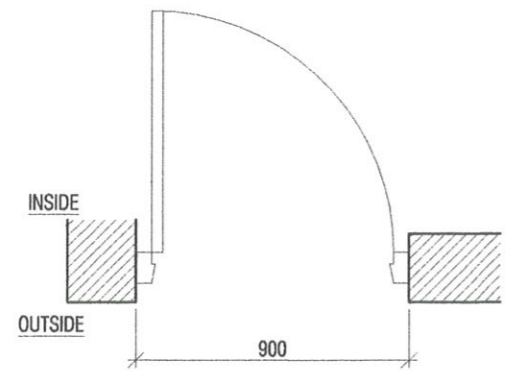
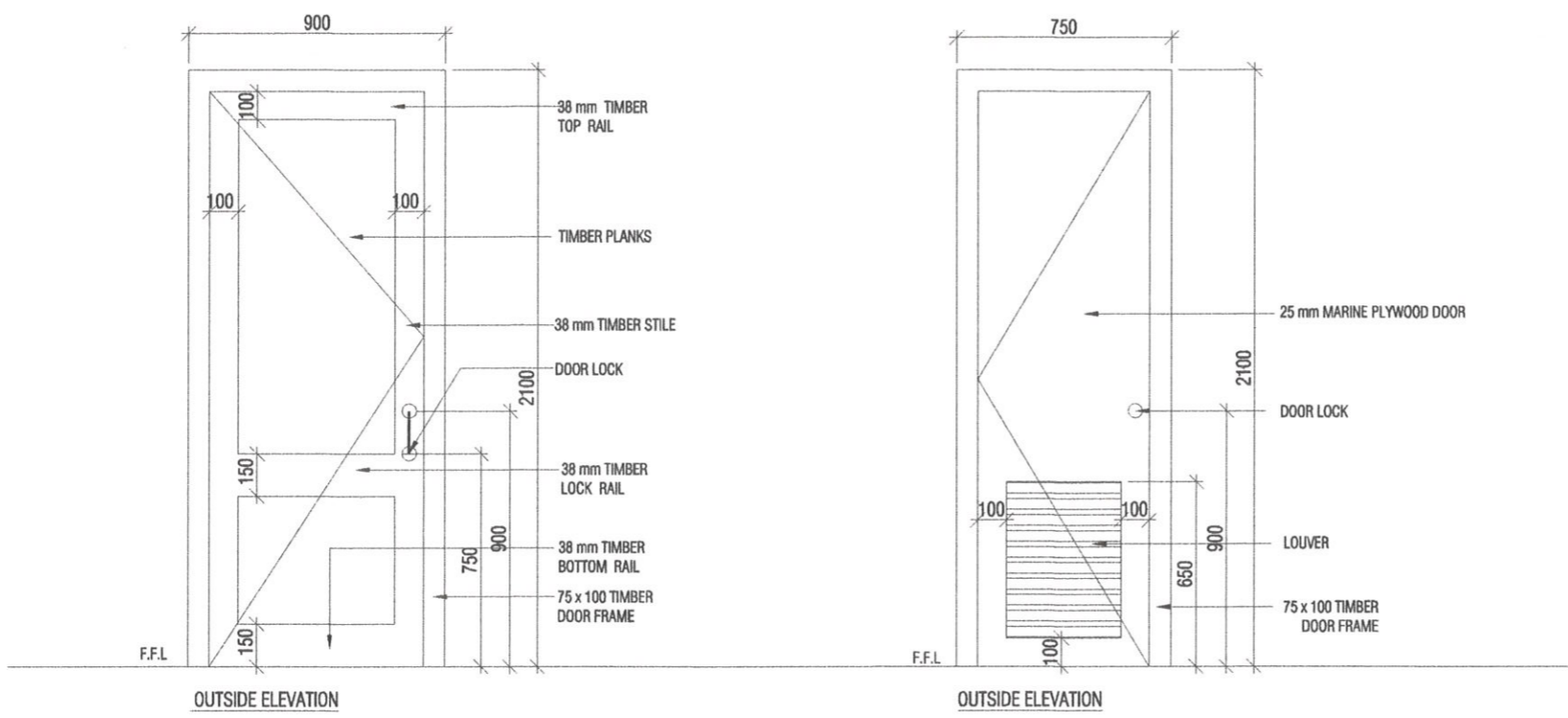
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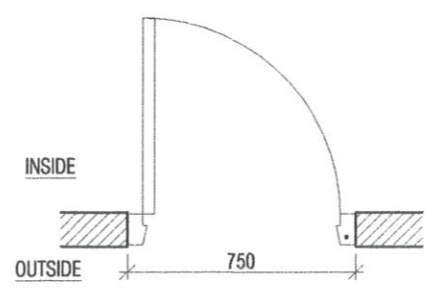
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N-D1 - SINGLE SASH FRAME WITH TIMBER DOOR



N-D2 - SINGLE SASH MARINE PLYWOOD DOOR WITH LOUVER PANEL



Archt. MURAD ISMAIL; FIA(SL)
 CHARTERED ARCHITECT
 REGISTRATION No. CA 98122
 ARCHITECTS REGISTRATION BOARD
 GAZETTE REF. No: 2316/61 of 27.01.2023

NO.	REVISION / ISSUE	DATE

TENDER DRAWING

Dwg. Title :
DOORS AND WINDOWS DETAILS

Project Title :
WESLEY COLLEGE PAVILION

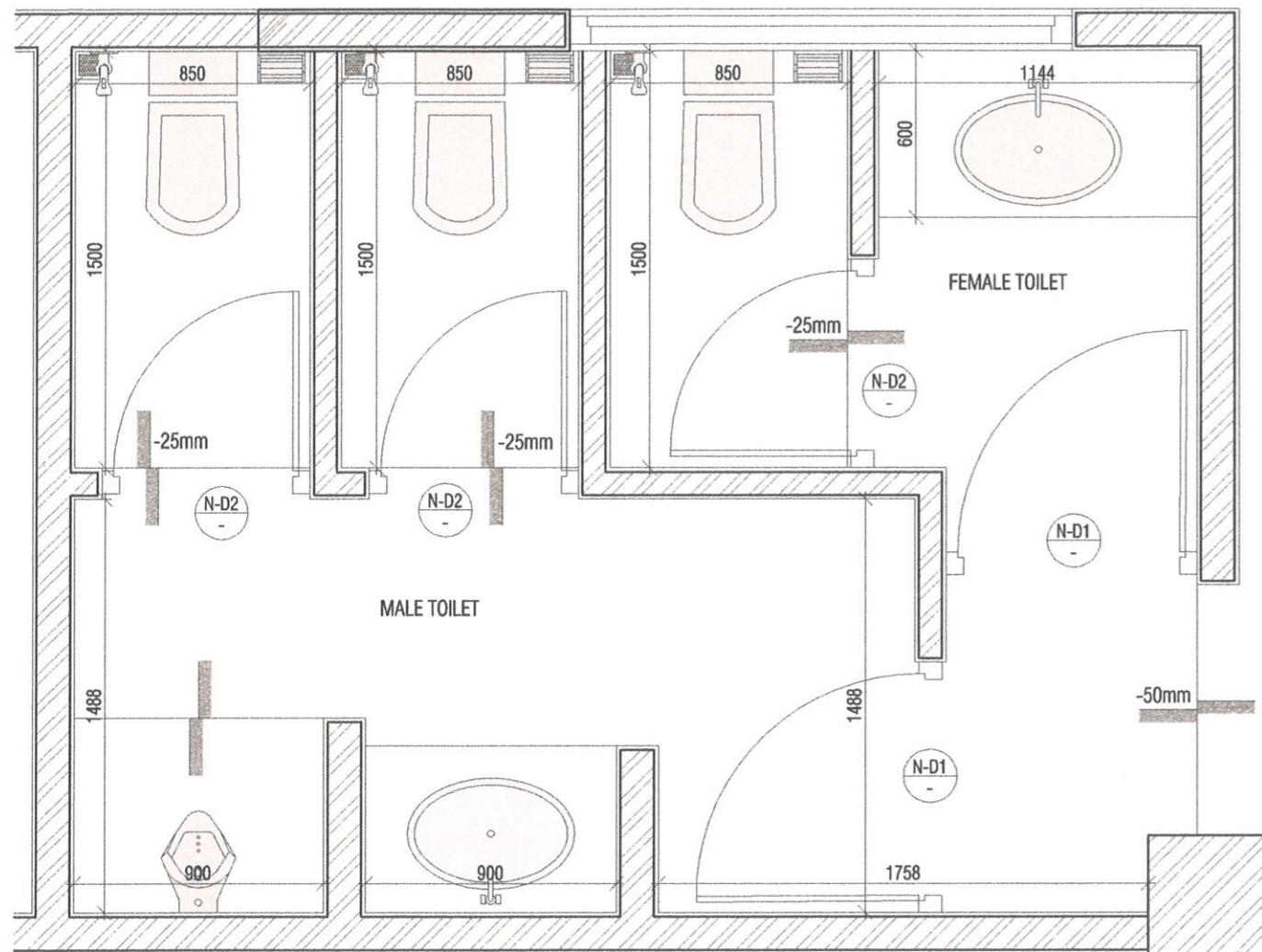
Architects :
ATS C
 ATS Consultant (pvt) Ltd
 56 Rev. Dhammarathane Mawatha,
 Madiwela, Kotte, Sri Lanka
 Tel - +94-11 2799288 - 92 Fax - +94-11 2799053
 E - mail : miod@atc.lk

Date **02-08-2023** Drawn By *Buddini*

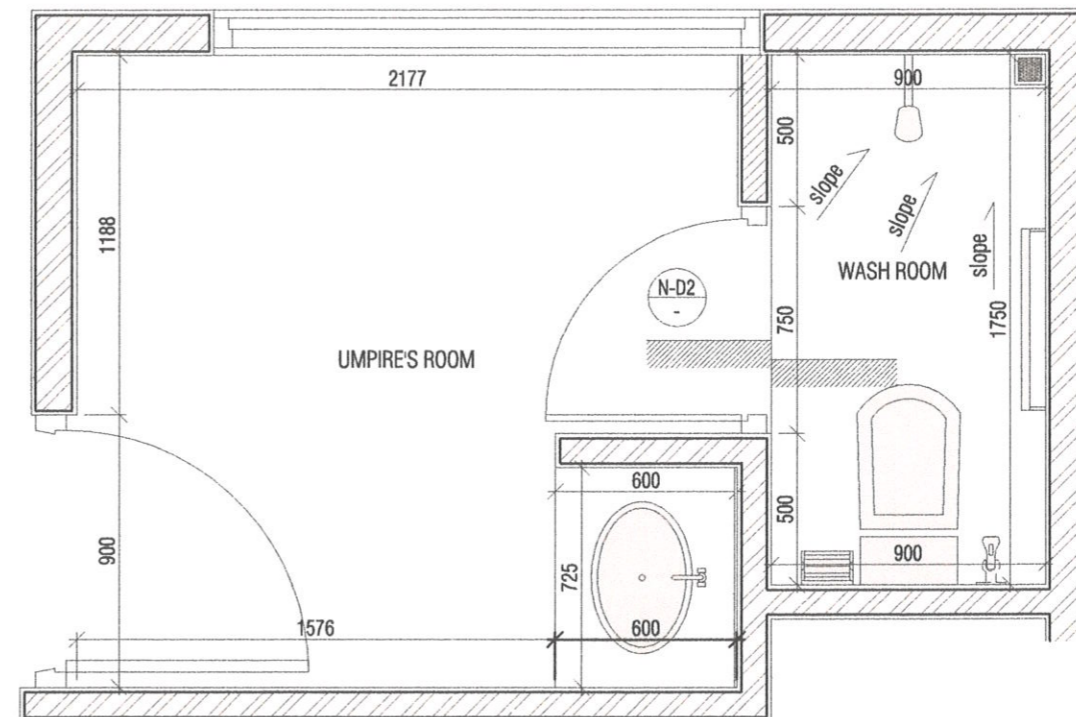
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Dwg. No **2023/ATSC/WC/ARIA2-03**

Sheet No	Sheet Size
A2-03	A3
Rev. No :	■




MALE AND FEMALE TOILET
 1 : 25 @ A3




TOILET DETAIL
 1 : 25 @ A3



Arch. MURAD ISMAIL; FIA(SL)
 CHARTERED ARCHITECT
 REGISTRATION No. CA 98122
 ARCHITECTS REGISTRATION BOARD
 GAZETTE REF. No: 2316/61 of 27.01.2023

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NO.	REVISION / ISSUE	DATE

TENDER DRAWING

Dwg. Title :

TOILET DETAILS

Project Title :

**WESLEY COLLEGE
PAVILION**

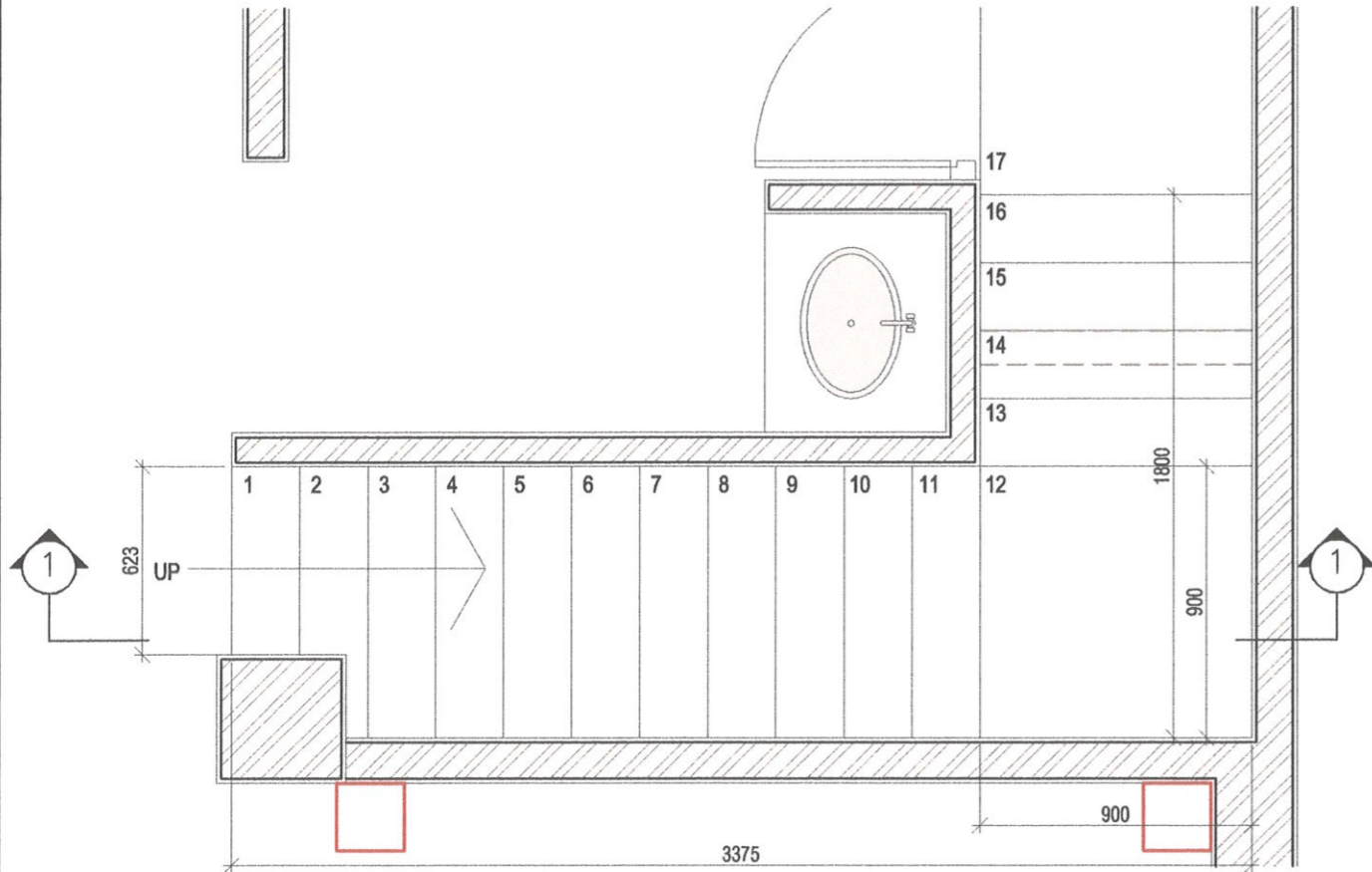
Architects :

ATS C

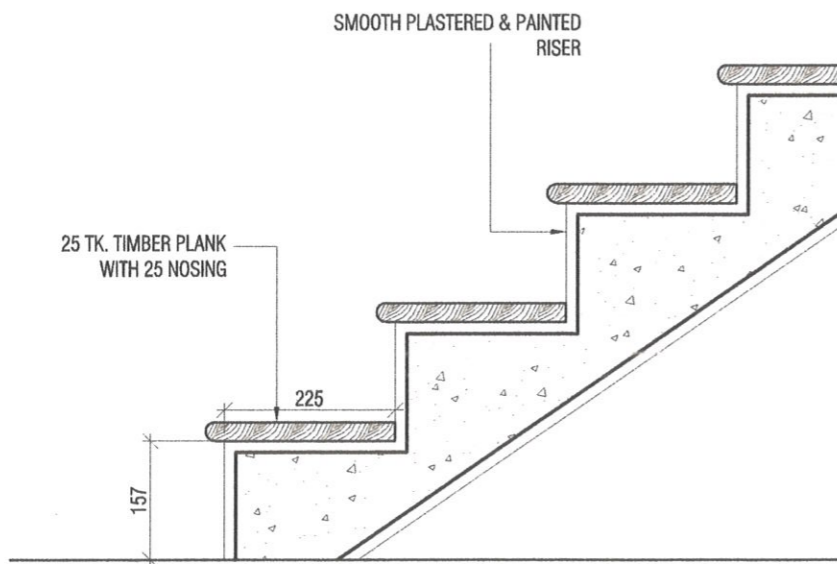
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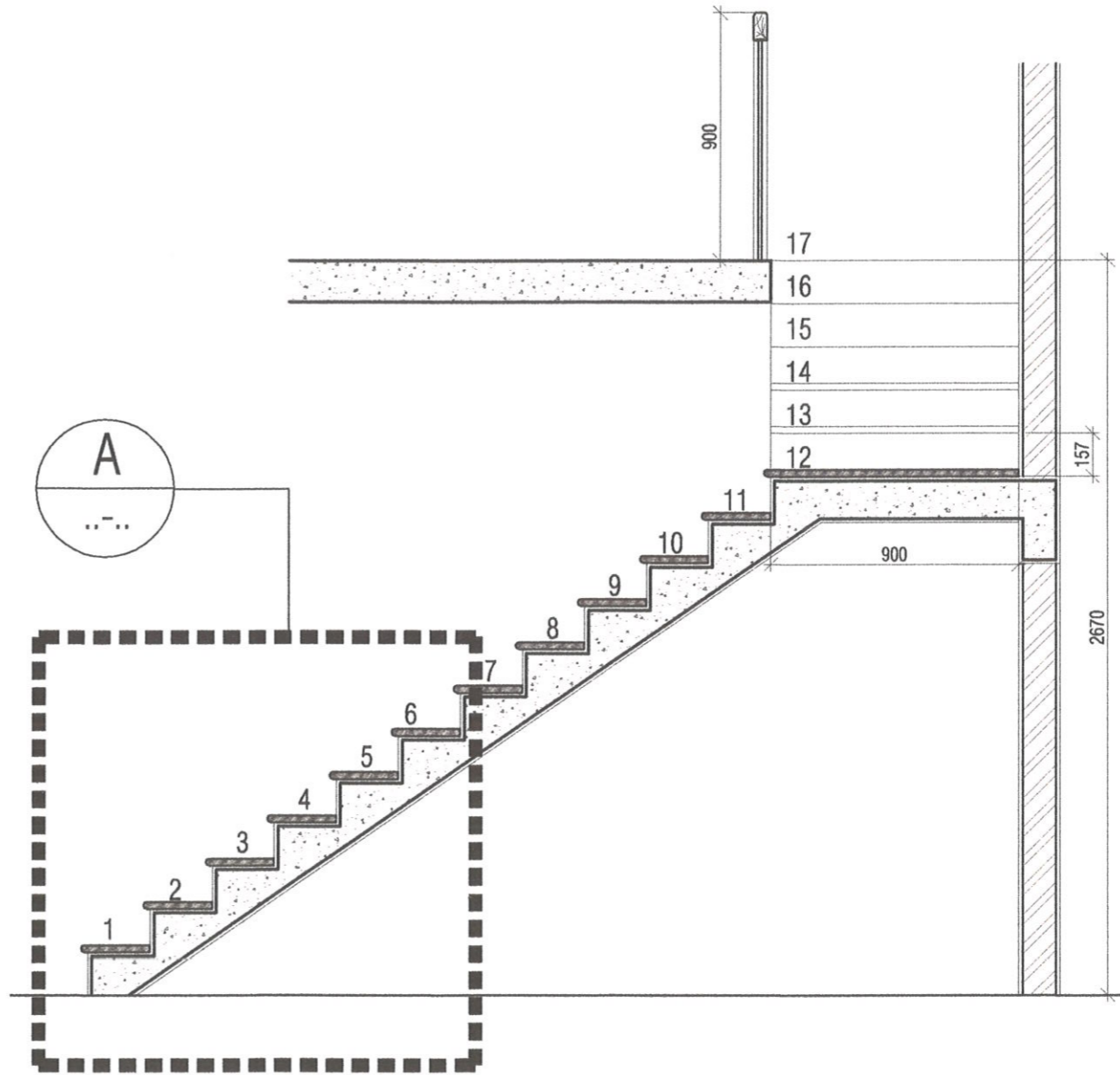
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Dwg. No 2023/ATSC/WCI/AR/A3-01	
Sheet No A3-01	Sheet Size A3
Rev. No : -	



1 Detail of Stair case - Ground Floor plan to Mezzanine floor plan
1 : 25 @ A3



DETAIL - A
1:10



2 Section 1 - 1
1 : 25 @ A3



Archl. MURAD ISMAIL; FIA(SL)
CHARTERED ARCHITECT
REGISTRATION No. CA 98122
ARCHITECTS REGISTRATION BOARD
GAZETTE REF. No: 2316/61 of 27.01.2023

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NO.	REVISION / ISSUE	DATE

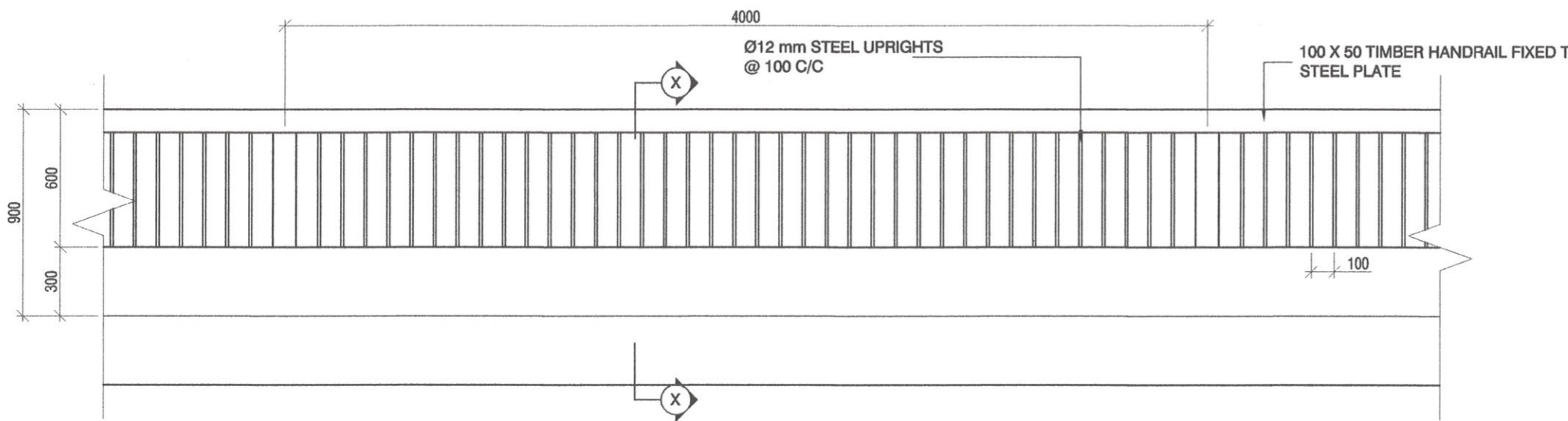
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Dwg. Title :
STAIR CASE DETAILS

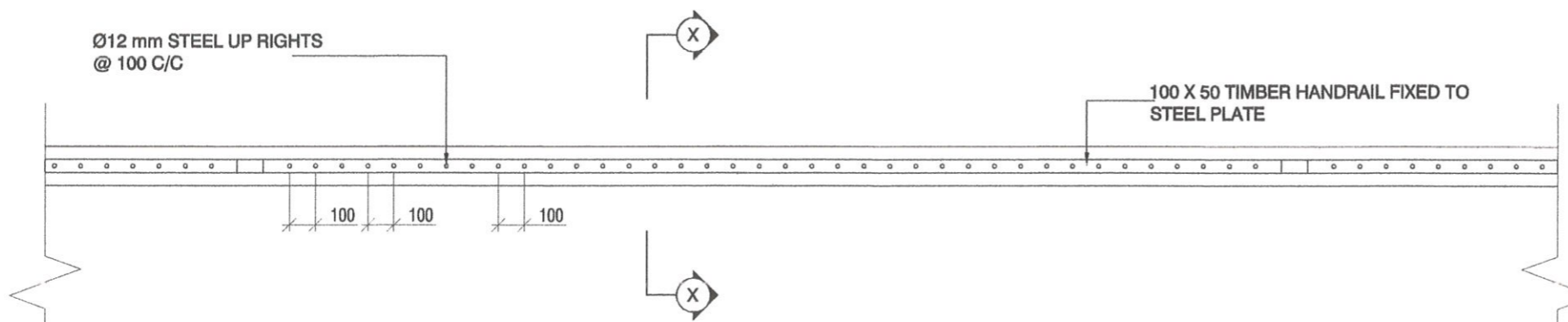
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58 Rev. Dhammarathana Mawatha,
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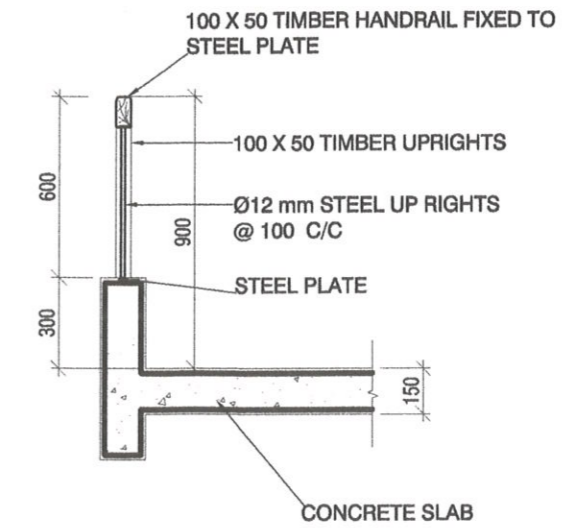
Date 02-08-2023	Drawn By <i>Buddini</i>
Scale 1 : 25	Checked/Approved <i>Smith</i>
Dwg. No 2023/ATSC/WCI/RIA/4-01	
Sheet No A4-01	Sheet Size A3
Rev. No : -	



2 ELEVATION
1 : 25 @ A3



1 HANDRAIL DETAIL - PLAN
1 : 25 @ A3



3 SECTION X - X
1 : 25 @ A3

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NO.	REVISION / ISSUE	DATE

TENDER DRAWING

Dwg. Title :
HAND RAIL DETAILS

Project Title :
WESLEY COLLEGE PAVILION

Architects :
ATS C
ATS Consultant (pvt) Ltd
56 Rev. Dhammarathane Mawatha,
Maduwela, Kotte, Sri Lanka
Tel : +94-11 2 799288 - 92 Fax : +94-11 2 799053
E-mail : miod@atc.lk

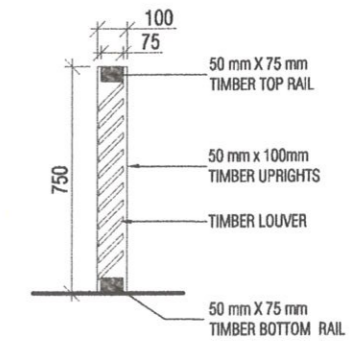
Date: **02-08-2023** Drawn By: *Buddini*

Scale: **1 : 25** Checked/Approved: *Amith*

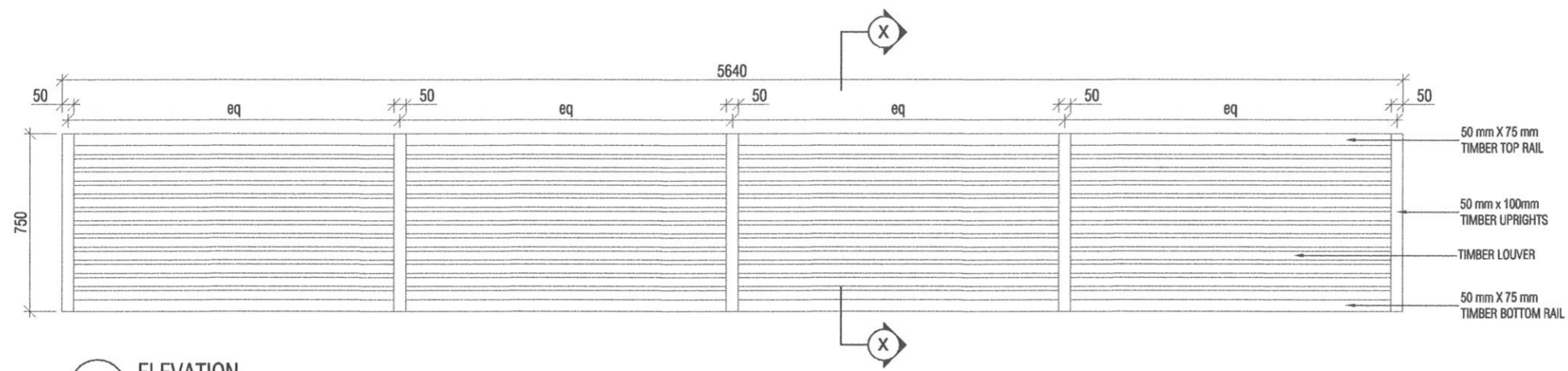
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A4-02	A3
Rev. No:	

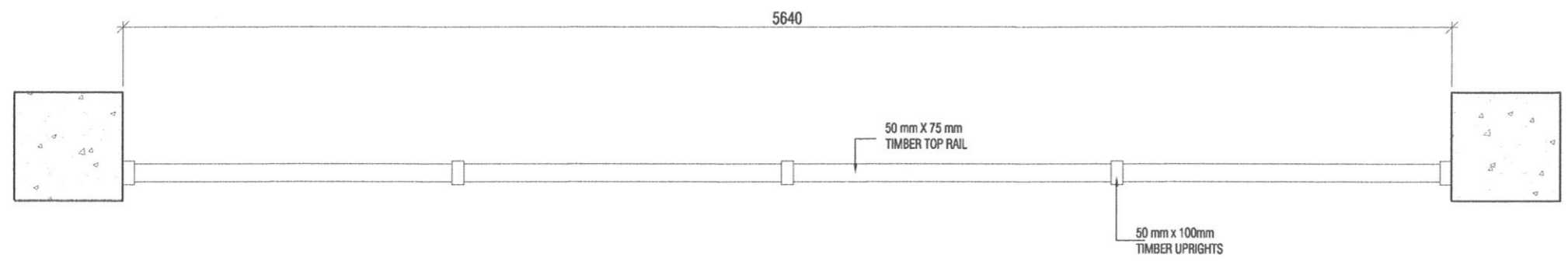
(Signature)
Arch. MURAD ISMAIL; FIA(SL)
CHARTERED ARCHITECT
REGISTRATION No. CA 98122
ARCHITECTS REGISTRATION BOARD
GAZETTE REF. No: 2316/61 of 27.01.2023



3 SECTION X - X
1 : 25 @ A3



2 ELEVATION
1 : 25 @ A3



1 TIMBER DETAIL - PLAN
1 : 25 @ A3

- General Note(s) :
1. ALL DIMENSIONS ARE GIVEN IN METRIC.
 2. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL DIMENSIONS AT SITE.
 3. CONSTRUCTION OF ALL STRUCTURAL ELEMENTS SHOULD BE CARRIED OUT WITH REFERENCE TO THE RELEVANT STRUCTURAL DRAWINGS.
 4. RELATIVE LEVELS ARE DESIGNATED: 0.000 ABSOLUTE LEVELS REFERRING TO MEAN SEA LEVEL (MSL) ARE DESIGNATED: 0.000
 5. ALL FLOOR LEVELS GIVEN IN ARCHITECTURAL DRAWINGS ARE TO BE FINISHED FLOOR LEVELS.
 6. ANY DISCREPANCY BETWEEN ARCHITECTURAL DRAWINGS AND STRUCTURAL, ELECTRICAL AND MECHANICAL OR ANY OTHER ITEMS SHOULD BE BROUGHT TO THE NOTICE OF ARCHITECT FOR CLARIFICATION AND FINALIZATION PRIOR CONSTRUCTION.

NO.	REVISION / ISSUE	DATE

TENDER DRAWING

Dwg. Title :
TIMBER DETAILS

Project Title :
WESLEY COLLEGE PAVILION

Architects :
ATS C
ATS Consultant (pvt) Ltd
56 Rev. Dhammarathane Mawatha,
Madiwela, Kotte, Sri Lanka
Tel : +94-11 2 799288 - 92 Fax : +94-11 2 799053
E-mail : miod@ed.lk

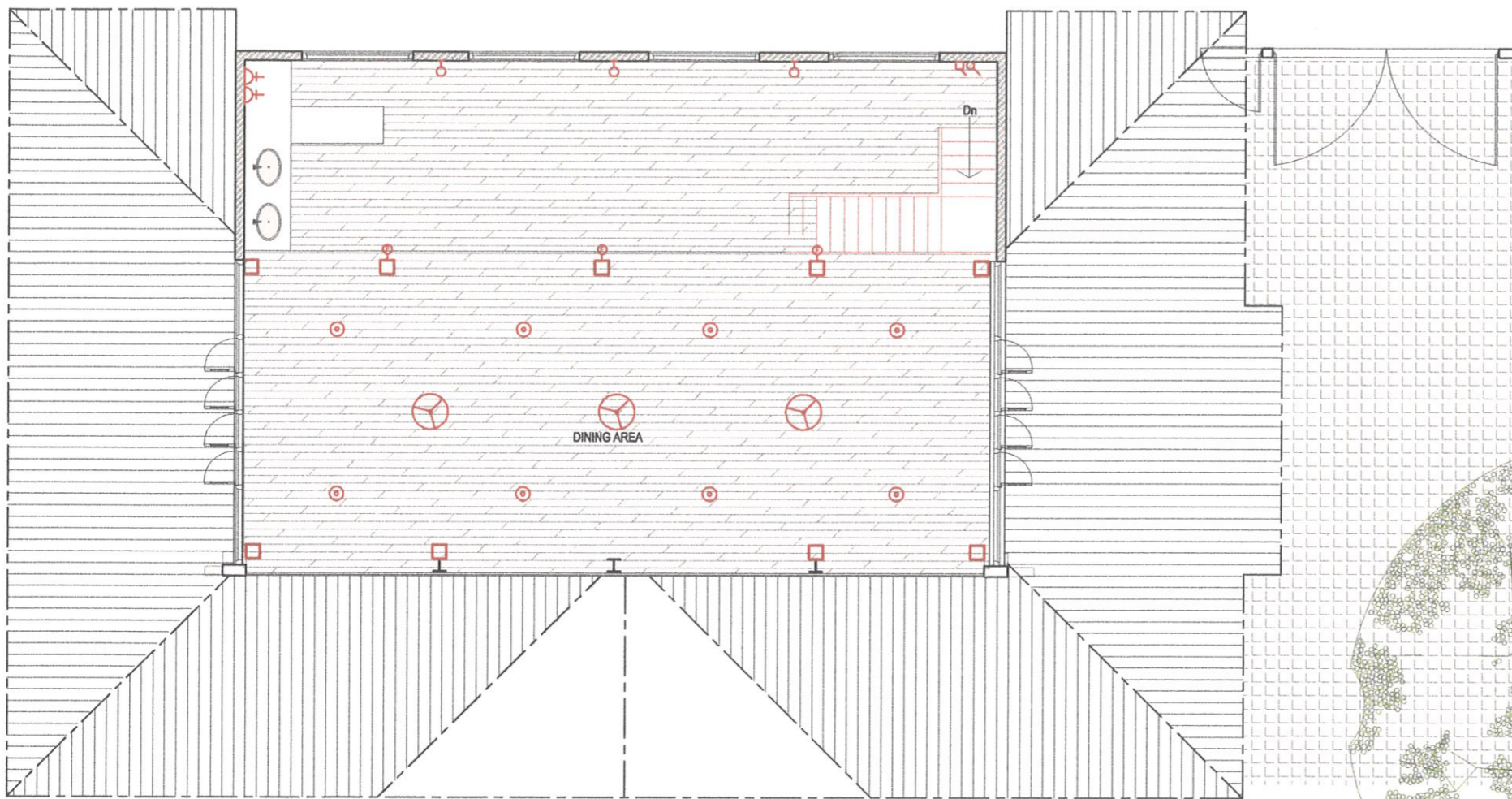
Date: **02-08-2023** Drawn By: *Buddini*

Scale: **1 : 25** Checked/Approved: *Smith*

Dwg. No: **2023/ATSC/WC/AR/A4-03**

Sheet No	Sheet Size
A4-03	A3
Rev. No:	

(Signature)
Arch. MURAD ISMAIL; FIA(SL)
CHARTERED ARCHITECT
REGISTRATION No. CA 98122
ARCHITECTS REGISTRATION BOARD
GAZETTE REF. No: 2316/61 of 27.01.2023



General Note(s) :

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NO.	REVISION / ISSUE	DATE

TENDER DRAWING

Dwg. Title :

MEZZANINE FLOOR PLAN ELECTRICAL LAYOUT

Project Title :

WESLEY COLLEGE PAVILION

Architects :

ATS C

ATS Consultant (pvt) Ltd

56 Rev. Dhammarathane Mawatha,
Maduwela, Kotte, Sri Lanka
Tel. +94-11 2 799288 - 92 Fax. +94-11 2 799033
E-mail: mic@eol.lk

Date
02-08-2023

Drawn By
Buddini

Scale
1 : 100

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Smith

Dwg. No
2023/ATSC/WC/ARIA/5-01

Sheet No
A5-01

Sheet Size
A3

Rev. No : **■**

ELECTRICAL LEGEND

	SOFFIT MOUNTED LIGHT
	FAN DIMMER SWITCH
	13 A SINGLE SWITCH SOCKET OUTLET
	ONE WAY LIGHT SWITCH
	CEILING FAN
	WALL LIGHT
	WALL FAN

MEZZANINE FLOOR PLAN
1 : 100 A0-00



Arch. MURAD ISMAIL; FIA(SL)
CHARTERED ARCHITECT
REGISTRATION No. CA 98122
ARCHITECTS REGISTRATION BOARD
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