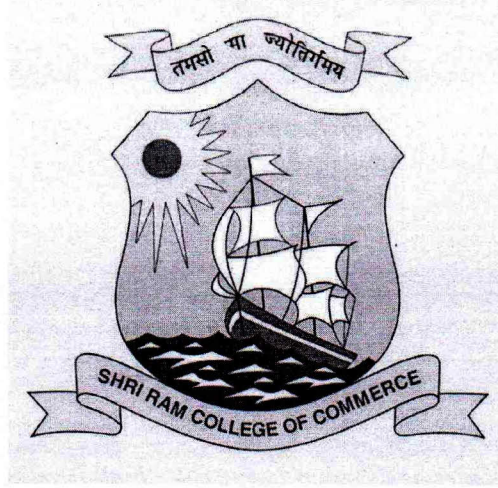


**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**



**SHRI RAM COLLEGE OF COMMERCE (SRCC),
UNIVERSITY OF DELHI, DELHI-110007**

Tender No.	SRCC/AD-221/2022/Porta Cabin Classrooms/02
Project Name	Installation of G+1 Porta Cabins for Class Rooms at Shri Ram College of Commerce (SRCC), University of Delhi.

CONSULTANTS:

DEARCH ENGINEERS PVT LTD
510, BEST BUSINESS PARK
NETAJI SUBHASH PLACE, NEW DELHI 110034
CONTACT: 01140108292
EMAIL- Team@Dearchengineers.com

Date: 14-09-2022



Handwritten initials/signature in blue ink.

**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce(SRCC),
University of Delhi**

TECHNICAL AND COMMERCIAL BID		
PART-I		
SECTION	DESCRIPTION	Page No
I.	PROJECT INFORMATION	3
II.	EXPRESSION OF INTEREST (EOI)	4
III.	NOTICE INVITING TENDER	5-7
IV.	GENERAL CONDITIONS OF CONTRACT	8-18
V.	SCOPE OF WORK AND TECHNICAL SPECIFICATIONS	19-24
VI.	SPECIAL CONDITIONS OF CONTRACT	25-26
VII.	FORMATS: ACCEPTANCE LETTER	27-28
VIII.	AFFIDAVIT FROM BIDDER	29
IX.	APPENDIX TO GCC	30
X.	FORM A,B,C D, E, F	31-37
XI.	LIST OF MAKES	38-43
XII.	TENDER DRAWINGS	D1-D25
FINANCIAL BID		
PART-II		
SECTION	DESCRIPTION	
I.	BILL OF QUANTITIES	1



Handwritten signature and initials in blue ink.

**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

SECTION I -PROJECT INFORMATION

Tender No.	: SRCC/AD-221/2022/ Porta Cabin Classrooms/ 02
Project	: Installation of G+1 Porta Cabins for classrooms at Shri Ram College of Commerce (SRCC), University of Delhi
Client	: Shri Ram College of Commerce (SRCC), University of Delhi
Site Address	: Shri Ram College of Commerce (SRCC), University of Delhi Maurice Nagar, Delhi 110007, Ph 011-27667905
Estimated Build Up Area	: 548.00 Sqm (approx); Total of Ground & First Floors
Estimated Cost	: Rs. 1,00,00,000/- (Rupees One Crore) Approx.
Earnest money Deposit	: Rs.100,000/- (Rupees One Lac only)
Tender Document Fee	: Rs. 1000/- (Rupees One Thousand Only)
Start Date & Time for Downloading Tender Document	: From 15. 09.2022 (11:00 AM)
Last Date & Time for Bid Submission	: 06.10.2022 (04:00 PM)
Pre-bid Meeting	: 27.09.2022 at 11:30 AM At Administrative Office, SRCC, Delhi-110007
Place of Submission of Sealed Hard Copy of Tender	: Administrative Office, SRCC, Delhi-110007 Between 10:00 AM to 04:00 PM on all working days
Date of Technical Bid Opening	: 10.10.2022 at 11:30 AM At Administrative Office, SRCC, Delhi-110007
Date of Financial Opening	: Will be notified to the Shortlisted Bidders.
Eligibility Criteria	: Refer Eligibility Criteria under EOI
Existing Conditions of Site	: To be examined by the Contractor before Bid submission



82
↓

**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

SECTION – II

Expression of Interest (EOI)

Shri Ram College of Commerce (SRCC), University of Delhi.

Sealed Item rate tenders in two bid system (Technical Bid and Financial Bid) are invited by Shri Ram College of Commerce (SRCC), University of Delhi for Works pertaining to the Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC), University of Delhi, from reputed contractors who have executed similar works:, having completed three similar works each costing not less than 40% of the estimated cost of work or two similar works each costing not less than 60% of the estimated cost of work or one similar work costing not less than 80% of the estimated cost of the work in the last Five years for any Govt/Semi-Govt Departments/ Central/State Governments/ PSU's/Reputed Private Companies only.

Similar work means "Construction of Porta Cabins". Similar works should be in the name of bidder itself, any work done on sub-contracting or back to back basis will not be accepted.

Tenderers shall furnish proof of satisfactory completion of such work issued by the client along with their full company profile including list of T&P, technical staff, PAN, Solvency certificate (minimum of 40% of estimated cost of the project) issued by Nationalized or any Schedule Bank and 3 year ITR of company. Technical bid shall be opened first and after evaluation and finalization of technical bid as per Form 'F', the list of eligible contractors shall be prepared and financial bid of the short-listed contractors shall be opened. The college authorities reserves the right to carry- out site inspection of similar works carried out by the contractors before opening of financial bids

Contractor should have an average financial turnover from Construction works of Rs 50 Lacs (50% of Estimated cost of works) in last three financial years ending last FY. Company should be having a positive net worth and should not have incurred loss more than 2 consecutive years.

Note: Tender Document can be downloaded from the college website www.srcc.edu. Downloaded tender shall accompany a DD of Rs. 1000/- drawn in favour of Principal Shri Ram College of Commerce, as cost of tender (Non-refundable). Downloaded tender documents shall be spiral bound before submission. Loose, Stapled or incomplete bid documents will be rejected.

in Doshi

Principal
Shri Ram College of Commerce



gr

**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

SECTION III

NOTICE INVITING TENDER

1. Sealed Tenders are invited by Shri Ram College of Commerce for the works pertaining to the Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC), University of Delhi, Delhi.
2. The Tender shall be submitted in the prescribed Tender form in hardcopy only.
3. The Contractors are required to submit Two Envelope Bids i.e. Technical and Financial, as per prescribed proforma. The two bids should be submitted in two separately sealed envelopes superscribed "Technical Bid for Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC), University of Delhi, Delhi" and "Financial Bid for Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC), University of Delhi, Delhi"
4. Both sealed envelopes should be put in a third sealed envelope superscribed "Tender for Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC) University of Delhi, Delhi" to be submitted to the Administrative Office by hand or speed post before Last Date and time of Submission. Any delay in delivery by speed post shall not be considered. Therefore, bidders are requested to send the bid accordingly, so that it can be reached within stipulated time.
5. The tender shall remain valid for acceptance for 90 days from the last date of submission.
6. The works are required to be completed within a period of Three Months from the date of Acceptance of Workorder by the CONTRACTOR.
7. The work shall be carried out in accordance with the phasing plan approved by the college authorities to avoid disturbance to the normal working of the College. The contractor will prepare and submit a Phasing Plan with Bar Chart of all construction activities with targeted dates of completion for all the construction activities and get it approved from the college authorities
8. CONTRACTORS are advised to inspect and examine the site and the surroundings and satisfy themselves before submitting their Tender as to the nature of the ground and sub- soil (as far as practicable), the form and the nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain necessary information as to the risks, contingencies and other circumstances which may influence or affect their Tender. CONTRACTOR shall be deemed to have full knowledge of the site, whether he inspects it or not and no extra charge consequent to any misunderstanding or otherwise shall be allowed.
9. Submissions of the Tender by the CONTRACTOR implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and local conditions and other factors bearing on the execution of the works.
10. A CONTRACTOR should quote Item Rates in figures as well as in words. The amount for each item should be worked out and the requisite totals given. Special care shall be taken to write rates in figures as well as in words and the amount in figures only in such a way that interpolation is not possible. The total amount shall be written both in figures and in words. In case of figures the words "Rs." should be written before the figure of Rupees and the words "Paise" should be written at the end. Unless the rate is in whole Rupees and followed by the word "only" it should invariably be up to two places of decimals.



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

11. All rates shall be quoted on the Tender form only.
12. The Tender shall be accompanied by earnest money deposit of Rs. 100,000/- (Rupees One Lac Only), in the form of a demand draft/ pay order in favour of the Principal, Shri Ram College of Commerce payable at Delhi. DD/pay order of EMD should be put in the envelope of Technical Bid.
13. On acceptance of the Work Order, contractor shall furnish a Performance Guarantee in the form of DD/ pay order of 3% of the accepted Work Order value in favour of Principal, Shri Ram College of Commerce, within 10 days after the acceptance of Work Order.
14. The CONTRACTOR, whose Tender is accepted, shall permit the Principal, Shri Ram College of Commerce (SRCC), New Delhi at the time of making any payments to him for works done under the contract to deduct towards Security Deposit @10%.
15. Further the Earnest money deposited will be returned to the successful bidder after the submission of Performance Guarantee and Performance Guarantee will be released after the successful completion of work up to the satisfaction of Architect/ Authorized person as appointed by SRCC. 50% of the Security deposit amount deducted will be released after the completion work up to the satisfaction of Architect/ Authorized person as appointed by SRCC and remaining 50% of the amount will be released after the completion of defect liability period of one year. No interest of any sort will be paid upon the above amounts.
16. Shri Ram College of Commerce (SRCC), New Delhi will return the earnest money where applicable, to every unsuccessful CONTRACTOR without any interest, after the award of work to the successful bidder.
17. A CONTRACTOR shall submit the Tender which satisfies each and every condition laid down in this notice, failing which the Tender shall stand to be rejected.
18. Shri Ram College of Commerce (SRCC), New Delhi does not bind itself to accept the lowest or any tender or to give any reasons for their decision.
19. Shri Ram College of Commerce (SRCC), New Delhi reserves the right of accepting the whole or any part of the Tender and CONTRACTOR shall be bound to perform the same at his quoted rates and reserves to itself the authority to reject any or all of the tenders received without assigning any reason.
20. GST or any other tax applicable in respect of this contract shall be payable by the Contractor and Shri Ram College of Commerce (SRCC) will not entertain any claim whatsoever in respect of the same.
21. T.D.S. as per the prevailing rates shall be deducted from the payments to be made to the Contractor and tax deduction certificate shall be issued by Shri Ram College of Commerce (SRCC).
22. This notice of Tender shall form part of the contract documents.



Sh
↓

**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

Contractor:

Duly authorized to sign the On Behalf of M/s

Signature.....

Date.....

Owner:

For and on behalf of

Shri Ram College of Commerce (SRCC), New Delhi



Authorized Signatory



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

**SECTION IV
GENERAL CONDITIONS OF CONTRACT**

Definitions: the contract document consists of the agreement, the special and general conditions of the contract, specifications and bills of quantities including all modifications and the contract drawings prepared by the Architect from time to time

- SRCC: Shri Ram College of Commerce New Delhi
- The site: shall mean the site of contract work at Shri Ram College of Commerce (SRCC), New Delhi.
- Sub-Contractor: includes those who have a direct contract with the Contractor.
- Notice: written notice shall be deemed to have been served if delivered in person to a member of the Contractors firm.
- Owner: Shri Ram College of Commerce (SRCC), New Delhi.
- Work: the term "work" includes both labour and material of the Contractor/Sub- Contractor required for execution of work
- Time limits: time limits or 3 months stated in the contract are essence of the contract.
- Law: law of the place of work shall govern the construction under this contract.
- Virtual completion: date of virtual completion is the date when the construction is sufficiently completed in accordance with the contract documents, including modifications, if any.
- Contract documents: shall consist of the following
 - a) Articles of agreement
 - b) General and special conditions of contract
 - c) Technical specifications
 - d) Bills of quantities
 - e) Tender Document

TYPE OF CONTRACT

It is an item rate contract. The Contractor shall be paid for the actual quantity and quality of work done, as measured at site on the rates quoted by him, on the basis of a payment certificate issued by the Architect/ Authorized person as appointed by SRCC.

SCHEDULE OF QUANTITIES

Schedules of quantities given in the contract are provisional and are meant to indicate the intent of the work and to provide a uniform basis for the contract. The Owner reserves the right to increase or decrease any of the quantities or to totally omit any of them. Contractor shall be bound to carry out the same without claiming any extras.

SRCC, UNIVERSITY OF DELHI

8

DEARCH ENGINEERS PRIVATE LIMITED

[Handwritten signature]



Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC), University of Delhi

CONTRACT DRAWINGS

- In general, drawings shall indicate dimension, position & type of construction.
- Specifications shall indicate the qualities, methods, and bill of quantities shall indicate the quantum and rates. Any work indicated in drawings and not mentioned in the specifications or vice versa shall be furnished as fully set forth in both.
- Contractor shall not deviate from the drawings and Architects interpretation of the drawings shall be final and without appeal.
- Errors/inconsistencies discovered in the drawings shall be instantly brought to the notice of the Architect for interpretation and correction, if any.
- All drawings are the property of the Architect/SRCC and shall not be used on any other project.
- Bar bending schedule/Fabrication Drawings, if requested by the Architect/Authorized person as appointed by SRCC shall be furnished to him prior to construction/fabrication.

ARCHITECTS INSTRUCTIONS

If within seven days of receipt of written instructions from the Architect, requiring compliance with an instruction the Contractor does not comply hence-with, then the Owner may get the work executed through another agency at the risk and cost of the Contractor.

SCOPE OF WORK OF CONTRACTOR

The scope of work to be carried out by the CONTRACTOR shall also include the following:

- a) Setting out of the works in respect of position, level dimensions, alignments, etc. including establishment of bench marks, survey reference points ,etc.
- b) Clearance of the site.
- c) Site leveling /terracing within the limits as shown in the drawings or as directed by the Authorized person as appointed by SRCC.
- d) Disposal of debris, excavated materials, etc. as per the instructions of the Authorized person as appointed by SRCC.
- e) Testing of water, soil and concrete and any other test as required by CPWD norms.
- f) Pumping out rain water/underground water from foundations, excavations and drainage of surface water from worksite without extra cost.
- g) All scaffolding, shorting, centering, shuttering works, etc.
- h) Running and maintenance of all construction plants and equipment, tools and tackles, etc.
- i) All temporary /enabling works such as approach road to the site, water supply, drainage and sewerage, power supply including diesel generator set, temporary offices, stores, construction yard, canteens, toilet blocks, labour camp, fencing, etc.



Handwritten signature or initials in blue ink.

**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

- j) Protection and maintenance of trees, shrubs, green and other surfaces as instructed by the Authorized person as appointed by SRCC.
- k) Any other work required in connection with the execution and successful completion of the contract work.

The cost of all the above mentioned works shall be deemed to be included in the rates for various items of work although such inclusion may not be specifically spelt out.

Whether specified elsewhere in the Agreement or not, the CONTRACTOR shall provide all materials (including steel and cement unless specifically spelt out in the agreement otherwise), labors of every description, energy and water and all tools, tackles, plant and transport necessary for proper execution of the work to the entire satisfaction of the OWNER.

SAMPLES AND SHOP DRAWINGS

The Contractor shall submit samples of materials and shop drawings required by the SRCC/ Architect with promptness within week after receiving the Work Order.

PROGRESS CHART

In order to achieve the completion time as stated above, the CONTRACTOR shall submit to the OWNER within 7 days from the effective date of Agreement a detailed Bar chart/PERT Network showing all the activities including mobilization, site clearance, procurement of major construction materials like steel and cement, excavation, foundation work, sanitary and water supply work, etc. The list of activities for which the Bar chart/ PERT network has been worked out and their commencement, duration and completion shall be subject to the approval of the OWNER

ACCESS FOR ARCHITECT / Authorized person as appointed by SRCC TO THE WORKS

The Architect / Authorized person as appointed by SRCC and their representative shall have access, at all reasonable times, to the work and workshops of the Contractor.

ARCHITECTS STATUS AND DECISIONS

The Architect shall be Owner's representative during the construction period. He shall regularly visit the site to familiarize himself generally with the progress and the quality of work and to determine, in general if the work is proceeding in accordance with the contract documents. During his site inspections the Architect shall inform the Owner about progress of work, defects and deficiencies if any.

The Architect may in his absolute discretion from time to time, issue further drawings, details, written instructions, written decisions and written explanations in regard to:-

- Variation or modification of the design
- Quality or quantity of work, addition/alteration/omissions and substitutions of any work. Any discrepancy and divergence between drawings and specifications.



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

- Removal and re-erection of any works executed by the Contractor
- Dismissal of any persons employed on the site, who in the opinion of the Architect is not fit for the job.
- Opening up for inspection any work-covered up
- Amending and making good any defects under defects liability period
- Removal from site, any materials brought by the Contractor, which in the opinion of the Architect is not up to the desired standard.
- Delay and extension of time Postponement of any work

AUTHORIZED PERSON AS APPOINTED BY SRCC

Authorized person as appointed by SRCC shall mean the person approved by and appointed and paid by the Owner and acting under the directions of the Principal SRCC.

CONTRACTORS FIELD ORGANIZATION AND EQUIPMENT

- The Contractor shall employ qualified and competent licensed Electricians on the site.
- Contractor shall provide and install all necessary hoists, ladders, scaffoldings, tools, tackles, plants and machinery necessary for execution of the works
- Guardrails shall be provided by the Contractor for safety of labour and general public at the site of works.

TAXES

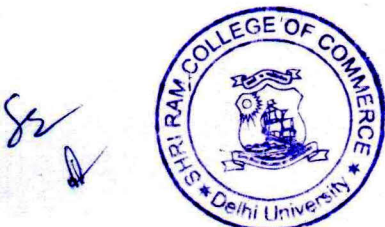
The contractor should quote their rates inclusive of all taxes, levies and GST. Any other tax applicable in respect of this contract shall also be payable by the Contractor and Shri Ram College of Commerce (SRCC) will not entertain any claim whatsoever in respect of the same.

STATUTORY OBLIGATIONS

The Contractor shall comply with and give all notices required by any Govt. authority and instrument, rule or order made under an act of parliament or state assembly or any regulation or bye-law of the local body, relating to the work and indemnify the Owner against any such liability arising out of noncompliance of the law.

By way of illustration of various Acts/statutory compliances as stated above, the following Act as amended from time to time shall be complied with by the CONTRACTOR:

- a) Employee's Provident Fund Act 1952
- b) Contract Labour Act (Regulations and Abolition 1970)
- c) Minimum Wages Act 1948



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

- d) Payment of Wages Act1936
- e) Workmen Compensation Act1923
- f) Factories Act1948
- g) Apprenticeship Act1961

SUB CONTRACTOR

NOT APPLICABLE.

MEASUREMENT OF WORK

Unless otherwise specified, measurement of work shall be carried for the works actually executed. The measurements for the purpose of preparing Bills will be taken jointly by the CONTRACTOR's representative and the Architect/ Authorized person as appointed by SRCC. In measurement of work as stated above, the CONTRACTOR shall certify that the work has been carried out strictly as per the drawings, specifications and item of work in terms of the agreement.

In the event of any dispute with regard to the measurement of the work executed, the decision of the OWNER shall be final and binding on the CONTRACTOR

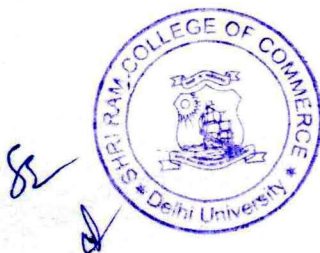
In the case of site measurements, should the CONTRACTOR not attend or neglect or fail to send his representative for taking joint measurements, the measurements taken by the Architect/Authorized person as appointed by SRCC shall be deemed to be the correct measurement of work and shall be binding on the CONTRACTOR. All the measurement works shall be guided as per Standard CPWD Specifications without any deviation. For measurements pertaining to the Porta Cabin, the build-up area consisting of classrooms, corridor and staircase shall be taken into consideration; any canopies/projections will not be paid separately. The agency should ensure and satisfy themselves of any such details as per the drawings before quoting their rates for the works.

REJECTION

If the Contract work or any portion thereof, at any time, is found to be defective or fails to fulfill the requirements of the agreement, the Architect/Authorized person as appointed by SRCC shall give the CONTRACTOR notice in writing setting-forth particulars of such defects or failure and the CONTRACTOR shall forthwith make good the defects or replace or alter the same to make it comply with the requirements of the agreement.

Any materials, equipment, etc. brought to the site and found to be not in accordance with the agreement, shall be rejected by the Architect/Authorized person as appointed by SRCC and the CONTRACTOR shall remove the materials from the site within the period specified by the Authorized person as appointed by SRCC.

The CONTRACTOR shall not be entitled to any extension of time or extra cost for rejection as per above



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

CERTIFICATES OF PAYMENTS

Architect shall issue an interim certificate of payment stating the amount due to the Contractor from the Owner and the Contractor shall be entitled to payment thereof within a period of two week after issue of the certificate. From the total amount, certified deduction shall be made towards payments already made, security deposit, TDS etc. as applicable to Delhi or any other tax applicable at the time of making payment.

All running payments shall be regarded as payment by way of advance against final payment only and not as payment for the work completed till the date of final payment. The running payment made shall not preclude the liability of the CONTRACTOR to finally complete the work strictly in accordance with the specifications and drawings, if required by re- constructing faulty work

CLAIM FOR EXTRA

In the case of extra item(s) (items that are completely new, and are in addition to the items contained in the contract), the contractor will submit rates, supported by rate analysis, for the work and the Authorized person as appointed by SRCC shall within seven days of the receipt of the rates supported by rate analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.

DEDUCTION FOR UNCORRECTED WORK

If the Architect/Authorized person as appointed by SRCC deems it in-expedient to correct work damaged or not done in accordance with the contract, an equitable deduction from the contract price shall be made thereof.

FLUCTUATIONS

Since the duration of contract is Three months only, the Contractor shall not claim any extras for fluctuation of price and the contract price shall not be subjected to any rise or fall in prices.

POSSESSION BEFORE VIRTUAL COMPLETION

If the Owner, with the consent of the Contractor takes possession of part of the building for handing over to the finishing Contractor, such part of the building shall not be deemed to be virtually completed. Virtual completion of such part would occur only on completion of the last part of the structure.

TIME EXTENSION

Upon it becoming reasonably apparent that the progress of the work is delayed, the Contractor shall forthwith give written notice of the cause of delay to the Architect/Authorized person as appointed by SRCC, to enable the Architect and Owner to take a proper decision in the matter.



Handwritten signature/initials in blue ink.

**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

INSPECTION AND TEST

- i. The CONTRACTOR shall ensure inspection and test of all materials and work at his cost through his Authorized person as appointed by SRCC and other technical staff either at site or through any approved laboratory.
- ii. The CONTRACTOR shall ensure proper supervision and inspection during the progress of work at site.
- iii. All materials and work, whether at the site or in the CONTRACTOR's /Sub- Contractor's premises shall be subject to inspection and test by the Authorized person as appointed by SRCC. The CONTRACTOR/ his Sub-Contractor shall provide all facilities free of cost to the Authorized person as appointed by SRCC including all labor, materials, tools, tackles, instruments, appliances, etc. to enable the Authorized person as appointed by SRCC to carry out inspection and/or test.
- iv. All test certificates shall be subject to certification by the Authorized person as appointed by SRCC.
- v. The CONTRACTOR shall submit to the Authorized person as appointed by SRCC three copies of all inspection/ test certificates.
- vi. The CONTRACTOR shall not be entitled to any claim for extra time or cost due to any delay in carrying out inspection and testing or re-inspection and re-testing if so decided by the Authorized person as appointed by SRCC.
- vii. The CONTRACTOR shall take adequate steps to rectify the defects or to replace such materials and work which have failed during inspection/testing

RESPONISBILITY OF COMPLETION

Any work, supplies or services which might have not been specifically mentioned in the specifications, schedule of items or drawings but are necessary for entire completion of the contract work shall be executed / provided/ rendered by the CONTRACTOR without any Extra cost and within the time schedule specified. Rates quoted shall be deemed to include such elements of labour and materials necessary to complete the items of work in all respects.

DAMAGES FOR NON-COMPLETION

If the Contractor fails to complete the works by the date specified or within any extended time granted to him, the Contractor shall allow the Owner to deduct a sum calculated at the agreed liquidated damages, from the money due to him for the period the work remained incomplete, subject to a maximum amount of 10% of the Contract Value.

LIQUIDATED DAMAGES FOR DELAY

If the CONTRACTOR fails to complete the work/item (s) of work in all respects and hand over the same to the OWNER within the time stipulated the CONTRACTOR, without prejudice to any other right or remedy of the OWNER on account of such breach, be liable to pay the OWNER liquidated damages at the rate of 1% (one percent) of the total contract price for delay of every week or part thereof upto a

SRCC, UNIVERSITY OF DELHI

14

DEARCH ENGINEERS PRIVATE LIMITED

SR
↓



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

maximum ceiling of 10% of the gross amount of the contract.

The above provisions shall not apply in cases of delay for which the CONTRACTOR is entitled to extension of completion time

VIRTUAL COMPLETION CERTIFICATE AND DEFECTS LIABILITY PERIOD

When in opinion of the Architect the works are practically completed, he shall in consultation with Principal SRCC will issue a certificate to that effect, that date will be taken as the date of virtual completion.

The Authorized person as appointed by SRCC shall prepare a schedule of defects, not later than 14 days after the expiry of the defects liability period. The Contractor shall within a reasonable period of time after receipt of schedule of defects shall rectify the same, failing which the Architect/Authorized person as appointed by SRCC will make suitable deductions from the contract sum.

MAINTENANCE GUARANTEE / DEFECTS LIABILITY PERIOD

Maintenance Guarantee period / Defect Liability Period will be **12 months** from the actual date of completion and handing over to the OWNER.

- a) The CONTRACTOR guarantees that within the maintenance guarantee period, the contract work shall not show any signs of defects, cracks, settlements, disfigurations, shrinkage, leakage, dampness or any other defects.
- b) The CONTRACTOR shall maintain and satisfactorily execute, at his own cost, all such works of repair, amendment, re-construction, rectification, replacement and any other work to make good the faulty work during the maintenance guarantee period.
- c) The CONTRACTOR shall, if required by the Authorized person as appointed by SRCC, search for the causes of any defects, imperfection or fault under the direction of the Authorized person as appointed by SRCC. The cost of such search shall be borne by the CONTRACTOR.
- d) At intervals specified by the Authorized person as appointed by SRCC the CONTRACTOR, along with the Authorized person as appointed by SRCC, shall inspect the contract work to satisfy him that no defects have cropped up in the contract work. Should there be any signs of defects, the CONTRACTOR shall take immediate steps to rectify the same, failing which; the Authorized person as appointed by SRCC may get the defects rectified at the risk and cost of the CONTRACTOR.
- e) At the end of the maintenance guarantee period, the CONTRACTOR, along with the Authorized person as appointed by SRCC, shall carry out final inspection of the contract work to prove that no defects had appeared in the contract work or that all defects which appeared in the contract work have been rectified to the entire satisfaction of the Authorized person as appointed by SRCC. If during the final inspection it is found that the defects still remain in the contract work, the period of maintenance guarantee shall be extended at the discretion of the Authorized person as appointed by SRCC and the CONTRACTOR shall be liable to make good the defects and be responsible for the maintenance of the work till the defects have been fully rectified.
- f) Upon successful completion of the maintenance guarantee period the OWNER shall issue final acceptance certificate to the CONTRACTOR

SRCC, UNIVERSITY OF DELHI

15

DEARCH ENGINEERS PRIVATE LIMITED



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

PAYMENT WITH HELD

The Architect/ Authorized person as appointed by SRCC may withhold or on account of subsequently discovered evidence nullify the whole or part of any certificate to such an extent as may be necessary in his reasonable opinion to protect the Owner from loss, for defective work, non- payment to Subcontractors, or other claims connected to this work.

INJURY TO PERSONS

The Contractor shall indemnify the Owner against any liability, loss, claim or proceedings whatsoever arising under any statutory or common law in respect of personal injury to or the death of any person, whomsoever arising out of or in the course of or caused by carrying out the work.

INSURANCE

Without prejudice to his ability to indemnify the Owner, the Contractor shall maintain such insurance as are necessary to cover the liability of the Contractor and the sub-Contractors.

INSURANCE AGAINST FIRE

The Contractor shall in the joint name of the Owner and the Contractor, insure against loss or damage due to fire, earthquakes and riots.

COORDINATION OF WORK

Contractor shall extend complete coordination to other agencies i.e. air-conditioning, or any other new agencies working on the same site.

LABOUR

Contractor shall not employ child labour under 18 years of age and if female workers are employed he should make provision for safeguarding the small children to keep them clear of the site. All labour shall wear safety helmets and shoes to protect them from injury.

SAFETY

In respect of all labour directly or indirectly employed in the work for the performance of the contractor's part of this contract, the contractor shall at his own expense arrange for the safety provisions as per C.P.W.D. Safety Code framed from time to time and shall at his own expense provide for all facilities in connection therewith. In case the contractor fails to make arrangement and provide necessary facilities as aforesaid, he shall be liable to pay a penalty of Rs. 1000/- for each default and in addition, the Authorized person as appointed by SRCC shall be at liberty to make arrangement and provide facilities as aforesaid and recover the costs incurred in that behalf from the contractor.



Handwritten initials or signature in blue ink, located to the left of the stamp.

**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

ANTIQUITIES

All fossils and other objects of interest or value, which may be found on the site or in excavating the same during progress of the work, shall become a property of the Owner. The Contractor shall carefully take out and preserve all such objects and hand them over to the Owner, through the Architect.

GUARANTEE

Besides guarantees required elsewhere, the Contractor shall guarantee the works in general for one year after completion of defects liability period.

TREES AND SHRUBS

The Contractor shall protect trees and shrubs designated by the Owner/Architect/ Authorized person as appointed by SRCC from damage during the course of work

PERFORMANCE GUARANTEE

In addition to the Security Deposit the Contractor shall furnish a performance guarantee in the form of a Demand Draft/ Pay Order to the tune of Three percent (3%) of the accepted Work Order value., which will be kept valid upto 12 months after completion of the work.

ARBITRATION

In case of dispute, the difference of opinion on any matter pertaining to the works, the decision of the Principal SRCC shall be final and binding on the contractors. If the contractor is not satisfied with the decision, within 28 days a notice to this effect will be sent to the Principal SRCC in writing. The matter will then be referred to sole arbitrator appointed by the Principal SRCC in this regard.

LIQUIDATION

If the CONTRACTOR commences to be wound up, not being a member's voluntary winding up for the purpose of amalgamation or reconstruction, or carries on his business under a receiver for the benefits of his creditor the OWNER shall be at liberty to:

- i) Give such receiver the liquidator or other person the option of carrying out the performance under the Agreement, subject to the receiver, liquidator or other person providing a guarantee up to an amount to be agreed upon by the OWNER and such receiver liquidator or other person for the due and faithful performance of the CONTRACTOR's obligations under this Agreement, or
- ii) If the receiver, liquidator or other person fails within 30 (thirty) days to exercise the option to carry out performance of the Agreement then the OWNER may terminate the Agreement and give notice in writing to the CONTRACTOR or to the receiver, liquidator or to any person in whom the Agreement may have become vested.



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

TERMINATION OF CONTRACT

If the CONTRACTOR violates the Agreement or shall neglect to execute the work with due diligence or expedition or shall refuse or neglect to comply with any reasonable directions, instructions or orders given to him in writing by the Architect/Authorized person as appointed by SRCC in connection with the work or shall contrivance or breach any provisions of the Agreement, the OWNER may give notice in writing to the CONTRACTOR to make good the failure, neglect or contravention complained of or cure that breach within a period of 30 (thirty) days of receiving such notice and in default of the compliance with the said notice, the OWNER without prejudice to his rights as below may rescind or terminate the Agreement stating therein the effective date of termination, holding the CONTRACTOR liable for the damages that the OWNER may sustain in this behalf.

Without prejudice to any of the rights or remedies under this contract, if the contractor dies, the Owner shall have the option of terminating the contract without compensation to the CONTRACTOR.



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

SECTION V

SCOPE OF WORK AND TECHNICAL SPECIFICATIONS

CIVIL WORKS

EARTH WORK & EXCAVATION

The rates quoted shall include the following:

- a) Excavation either straight, inclined or curved in trenches, footings, rafts, basements etc., including raking out, cutting and dressing sides and bottom to true dimension and depositing excavated stuff beyond three meters clear of the edge of the trench, filling back as required and disposal of surplus earth anywhere within the plot as directed by Authorized person as appointed by SRCC/architect.
- b) Clearing all shrubs, roots, vegetation and trees from alignment of the buildings
- c) Bailing out, pumping out or otherwise removing all water which may accumulate in the excavation from any or all causes whatsoever
- d) All labour and material required for fencing and protection against risk of accident to open excavations etc., with necessary shoring planking and strutting and for providing gangways, with handrails across open trenches etc., where necessary during the progress of the work.
- e) Watching and lighting arrangements wherever necessary whether ordered by the Owner/ Architect/Authorized person as appointed by SRCC or otherwise
- f) Filling back available excavated earth in plinths, sides of foundations, sides of basements, under floors and for ground formation etc., as and where required in 150 mm thick layers, breaking coeds, ramming, watering, consolidation, the same with 10 M.T. Rollers or hand tampers where rollers are not accessible, and dressing the filled up areas.
- g) Battering, benching, forming steps in the sides of foundations and mass excavations where required and removal of the slips and falls. This item is not payable separately.
- h) Water table has to be maintained at least 1.0 Mt., below lean concrete level of raft by providing adequate de-watering arrangements, if required.

PLAIN AND REINFORCED CEMENT CONCRETE

The rates quoted shall include the following:

- a) Making all drips, grooves, moulds, curved surfaces and chamfered edges etc. in concrete and/or



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

plaster work as directed

- b) Forming all expansion and/or construction joints as per standard specification and/or as directed.
- c) All projections, too things, ornamental work etc. and finishing shaping as directed.
- d) Embedding all electric pipes, fan hook boxes, false ceiling suspensions and inserts of any description etc. in R.C.C slab, beam, walls etc., as directed.
- e) Installing a calibrated cube-testing machine at site, getting it calibrated every month and submitting test report to the architects. Alternately getting the cubes tested in an approved lab.
- f) Preparing 7 days and 28 days test cube, testing them at site and /or getting tested in an approved laboratory including all fees, costs, transportation etc. relating to them.
- g) Providing slump tests apparatus at site and test for checking the workability of concrete.
- h) Working up or hacking of concrete surfaces for providing keys for further concrete work including applying thick cement slurry or mortar as directed
- i) Providing 12 mm thick cement plaster 1:6 (1 cement: 6 fine sand) and a coat of lime wash on all brick wall surfaces serving as bearing for RCC work.
- j) Exposed architectural or ordinary centering, shuttering and formwork, strutting, boxing, propping etc. except wherever specified to exclude in the item. Shuttering to be made water tight with plywood and timber if necessary.
- k) Use of shuttering oil as specified
- l) Use of cement slurry over shuttering before commencing concreting
- m) Machine mixing of all concretes and hoisting to all lifts, carrying to all leads, consolidating by Roding, vibrating, tamping and curing.
- n) Sinking of floors in specified areas.
- o) Providing of dowel bars wherever directed by the architect/Authorized person as appointed by SRCC.
- p) Forming cutouts, openings and concreting at a later stage as required.
- q) Providing sleeves for pipes etc. before concreting
- r) Working in narrow widths, small quantities and curved alignments etc.
- s) Removing rust, mild scales, oil, grease, paint etc. from steel
- t) Reinforcement.
- u) Providing 16 gauge annealed binding wire and binding the reinforcement with the same without any extra cost on the account for labour or material
- v) Providing cover to steel with cement concrete briquette spacers at no extra cost.
- w) Payment of labour for laying steel as per Indian standard section weights actually placed in position as per design and drawing or as directed
- x) The contractor shall not undertake the RCC work including form-work of first floor before laying lean concrete on the lowest floor if so directed by the architect/Authorized person as appointed by SRCC.



Handwritten signature or initials in blue ink.

**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

- y) Wherever new structural slab/beam is to be connected with the old structural slab/beam, the cost of chipping the necessary old concrete members and re-casting the same is to be included in the item.

PORTA CABIN

TECHNICAL SPECIFICATIONS

Name of Work :- Installation of G+1 Porta Cabins for class rooms at Shri Ram College of Commerce (SRCC), University of Delhi.

General:

The complete Civil, Electrical, Plumbing and all respective services works will be done through as per the CPWD Building construction norms and specifications without any deviation whatsoever unless specified.

Scope of works:

Tenders are being called from Executing agencies having the experience in past similar works certificate. The scope of work for the agency will be as per following but not limited to :

1. Site Surveying.
2. Seek approval upon the on ground demarcation layout as per the drawings provided.
3. Barricading the proposed site of construction as per the instructions by EIC/Architect.
4. Excavation, refilling of excavated earth post construction of building footing, plinth and other sub structures.
5. Pre and Post Construction anti termite treatment.
6. Construction of various sub/super structure CC/RCC structural members as per drawings including the necessary and required cantering and shuttering.
7. Making the required and necessary plinth protection around the building.
8. Brickwork in foundation, plinth and super structure as per drawings.
9. Construction of various sub structural members as per the detailed drawing issued for construction.
10. Supplying, Installing and commissioning of factory made prefabricated external and internal Porta cabin members as per the detailed approved shop drawings including metal deck roofing as per drawings.
11. Installation of vitrified floor tiles of 600x600 mm for the classrooms and corridors and pre-polished granite flooring for staircase.
12. MS railing as per design/drawings for staircase.
13. All the joints will be sealed properly.
14. Installation of 600x600 mm gypsum board false ceiling.

Je
↓



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

15. Developing and submitting the shop drawings for approval before the start of any construction work on site.
16. Installation of internal and external electrical fixtures and accessories as per electrical drawings including provision of AC wiring/copper piping as per drawings.
17. Installation of wall mounted AC systems along with external wall/floor mounted stand for outdoor units. The systems should be equipped with the wall mounted voltage regulators as per the item.
18. Supply and Installation of Aluminium windows as per details specifications and drawings.
19. Flush door shutters as per tech specs and drawings.
20. The scope will also include the successful installation of internal and external electrical and plumbing fittings and fixtures.
21. Making connection of sewer/drain lines to existing manhole locations nearby.
22. Making necessary connection for the panels to be installed in the building to existing Sub Station/Main panel of the campus.
23. All work mentioned in schedule of works of various sections and general summary to the extent shown.
24. After the completion of work, supplying to SRCC with 4 set of hardcopies and soft copies of all the shop drawings and as build drawings.

TECHNICAL SPECIFICATIONS		
SNo.	Component	Description
01.	Sub Structure	RCC Structure as per drawings
02.	Bottom Frame	As per detailed approved drawings.
03.	Top Frame	As per detailed approved drawings.
04.	Stiffener Bottom	As per detailed approved drawings.
05.	Stiffener Top	As per detailed approved drawings.
06.	Side Post	As per detailed approved drawings.
07.	Side Wall Stiffeners	As per detailed approved drawings.
08.	Panelling Outside	Outer face: Outer face having 6mm thick fiber cement board fixed on 9mm thick fiber cement board, Type A, as per IS:14862:2000 (high pressure steam cured)
09.	Internal Panelling	Inner Face :- 12.5 mm thick gypsum plaster board conforming to IS 2095:2011 fixed on 8 mm thick

Handwritten signature



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

		fibre cement board confirming to IS:14862:2000 of type B (High pressure steam cured).
10.	Roof Outside	Zinc-Aluminum Alloy precoated / Galvalume Profiled high tensile steel sheet of 0.5 mm thick of approved make conforming to relevant IS, properly sloped & water tight.
11.	False Ceiling	600x600 mm gypsy false ceiling with necessary fittings
12.	Flooring	600x600 mm glazed vitrified matt finish tiles.
13.	Aluminium Windows	Double shutter sliding aluminium powder coated windows (size as per drg.) of thickness 1.2mm with 4mm thick glass of make Saint Goblin for all windows, safety grills from outside on the top of windows. Windows to also be accompanied by the Aluminium Grill and fly proof mesh (SS Mesh)
14.	Door	Providing and fixing Flush Door shutter 35mm thick, 2400mm high of varying width of M/s Century plywood / Green Plywood fixed with Decorative laminate/veneer on both the sides. Door frames to be made out of powder coated Aluminium sections of required thickness. Inclusive of making rebate and fixing 2 nd class teak wood edging on all side of flush doors. Also providing and fixing 200 x 600mm high vision panel of 4mm glass. Duly treating flush doors with anti termite solution complete and complete hardware Steel Hinges, L Drop, stainless steel D handles 300mm high, stainless steel 10mm dia Tower Bolt 300mm high, Door King Door Closer and Door Stopper etc.
15.	Insulation	Glass wool insulation of density 64kg/m ³ on side wall & 75 mm thick on ceiling
16.	Finishing	Internal Finishing: Painting to New walls with two coats of acrylic interior emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/ liter of superior quality of approved brand and shade over base coat of cement primer grade -I making three coats. Exterior Finishing: Finishing walls with Premium Acrylic Smooth exterior paint with Silicone



Handwritten signature/initials

**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

		additives of required shade
17.	Height of the porta cabins	As per drawings

FINE AGGREGATE (SAND) :-

Fine aggregate for all concrete works shall be of Badarpur / River sand / stone dust conforming to IS 383.

EXCAVATION AND EARTH WORK :-

Excavation in trenches in soft / loose soil.

Earth obtained from excavation and approved by concerned authority shall be used for filling around foundations.

Surplus spoil obtained from excavation shall be used in earth filling under floors.

BRICK WORK :-

The size of the brick shall be 23 x 11.3 x 7.5 cm of compressive strength 75 kg / sqcm. Permissible tolerance on the dimensions of the bricks shall be + 3%. Brick work shall be built in cement mortar (1:4).

DAMP PROOF COURSE :-

Damp proof course shall consist of 50 mm thick layer of cement concrete (1:2:4) as indicated. DPC shall run the full width of the wall just below it. DPC shall be provided in all openings at plinth level.

FOUNDATION CONCRETE :-

Cement concrete (1:4:8) using 40 mm graded stone aggregate. The foundation for walls shall be about 450 mm to 750mm below the existing ground level depending on existing ground profile over 75 mm plain cement concrete 1 : 2 : 4 (1 Cement : 2 Course Sand : 4 Stone aggregate) as levelling base and 300mm to 700mm brick work as per drawing. (Ground Profile)

FALSE CEILING :-

Providing and fixing Armstrong make (Brand) Dune RH99 tiles false ceiling complete with 600x600x16mm (dust free) tiles and grid section of powder coated M.S. sheet and galvanized in accordance with Micro lock zinc coating upgrade of Microlock (XL 15mm) of Armstrong Brand shall be provided for entire area except veranda and drinking water area.

RAIN WATER PIPES :-

Upvc pipes of 150 dia 6kg. \ Rmt. and 200 dia 8 kg. \ Rmt. laid on bed of concrete.



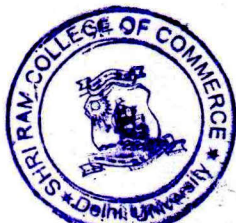
SR

**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

SECTION - VI

SPECIAL CONDITIONS OF CONTRACT

1. The work shall be carried out as per specifications in the Tender schedule/latest C.P.W.D. Specifications, along with the correction slips; issued up to date of acceptance of Tender in case of doubt the decision of the Architect shall be final and binding on the Contractor.
2. The Contractor shall carryout the work in stages as to cause minimum disturbance to the working of Shri Ram College of Commerce (SRCC), New Delhi and other organizations nearby SRCC. He shall be responsible for any damage to the equipment or structures, injury to the personnel during the progress of the work and he shall be liable to pay compensation as may be decided by the Principal or his authorized representative in respect of such damages/injuries.
3. The serviceable materials out of the dismantled materials if any will be the property of the college and properly stacked by the Contractor as directed by the Authorized person as appointed by SRCC. Decision of principal or his authorized representative on the service-ability of the dismantled materials shall be final and binding on the Contractor.
4. All labour Employed by the Contractor shall be covered by the workman's compensation act. Any death, injury or mishap to the workmen of the Contractor will entirely be the Contractor's responsibility and the College, shall not be liable to pay any damages for the same.
5. Contractor shall take adequate safety precautions to avoid any accident etc. at site. Shall erect proper barricades, sign boards, lights, etc. shall provide safety belts, safety shoes, head gears (helmet I.S.I standard) and shall be fully responsible for any criminal & civil liabilities. All safety arrangements are to be made by contractor at his own cost.
6. No labor or material rate escalation claims will be entertained from the contractor as this work has to be completed within 3 months from the date of acceptance of Work Order by the Contractor.
7. Rates quoted shall be applicable equally to all floors and shall include all lifts and leads. No extras on this account shall be payable.
8. Water and electricity shall be arranged by the Contractor. In case it is available, the same can be provided by the College authorities at one point. A recovery @ 1 % for providing electricity and water shall be made by the College authorities on gross value of work done by the contractor.
9. Rates quoted by the contractor shall be inclusive of all items of work listed below and Any work, supplies or services which might have not been specifically mentioned in the specifications,



Handwritten initials/signature

**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

schedule of items or drawings but are necessary for entire completion of the work shall be executed / provided/ rendered by the CONTRACTOR without any Extra cost and within the time schedule specified. Rates quoted shall be deemed to include such elements of labour and materials necessary to complete the items of work in all respects

10. Contractor shall submit only computerized Bills supported with computerized measurement sheets in A4 size hard copy prints and soft copy in Microsoft Excel Format. Manual Handwritten bills or measurement sheets will not be accepted.
11. Labour Camp will be arranged by the contractor outside the college premises at his own cost. Shri Ram College of Commerce (SRCC) does not have space for labour camps inside its premises.
12. Principal SRCC New Delhi reserves the right to decrease or increase the items of work, change the specifications of works or remove the entire/any section of work as may be deemed necessary to finish the works within the available budget.
13. JV or Consortium of Companies will not be accepted.
14. Any subletting of work after the award from the College is not allowed and for any subletting of specialized work bidder needs to take permission prior from College for subletting of specialized works.
15. **Any corrigendum will be uploaded on college website or e-procurement portal. Bidders are advised to check for the same. Any corrigendum uploaded, will be considered a part of the Tender Document.**
16. Bidders registered with Ministry of Micro Small and Medium Enterprises and having valid registration acknowledgement can avail exemption from submission of tender document fee and EMD as per policies of MSME. Bidders taking exemption are required to submit their MSME Certificates, failing of which the bid will be rejected.



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

SECTION VII

Formats

ACCEPTANCE LETTER

(On Company's Letter Head)

To,
The Principal
Shri Ram College of Commerce (SRCC)

Dear Madam,

I/We have read and examined the following documents relating to tender for works pertaining to Installation of G+1 Porta Cabins for classrooms at Shri Ram College of Commerce (SRCC), University of Delhi.

- 1) Notice Inviting Tender Specifications
- 2) Drawings
- 3) General Conditions of Contract
- 4) Special Conditions
- 5) Tender Schedule

I/We hereby Tender for execution of the works referred to in the aforesaid, documents upon the terms and conditions contained or referred to therein and in accordance in all respects with the specifications, designs, drawings and other relevant details at the rates quoted by us in the Tender schedule. We have visited and examined the site of works and are fully aware of the site conditions, having a bearing on the contract.

In consideration of I/We being invited to the Tender, I/We agree to keep the Tender open for acceptance for 90 Days from the due date of submission thereof and not make any modifications in the terms and conditions which are not acceptable to Principal, Shri Ram College of Commerce (SRCC), New Delhi 110007.

A sum of Rs. One Lac (Bank Draft/PO No.....Dated.....) is hereby forwarded in Bank Draft in the favour of Principal, Shri Ram College of Commerce (SRCC), New Delhi as earnest money. If I/we fail to keep the Tender open as aforesaid or make any modifications in the terms and conditions of the Tender which are not acceptable to Principal, Shri Ram College of Commerce (SRCC), New Delhi. I/We agree that Principal, Shri Ram College of Commerce (SRCC), New Delhi, Shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Should this Tender be accepted, I/we hereby agree to abide by and fulfill all the terms, conditions and provisions of the afore said documents.

Handwritten signature



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

If after the Tender is accepted, I/we fail to commence the execution of the works as provided in the conditions, I/we agree that Principal, Shri Ram College of Commerce (SRCC), New Delhi shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely.

I/We agree that should Principal, Shri Ram College of Commerce (SRCC), New Delhi. decide to forfeit earnest money as aforesaid, unless a sum equal to the earnest money mentioned above is paid by us forth-with, the principal Shri Ram College of Commerce (SRCC), New Delhi may at its option recover it out of the deposit and in the event of deficiency, out of any other money due to me/us or otherwise.

Duly authorized to sign the Tender On behalf of M/s

.....

Signature.....

Dated.....

Postal Address.....

SR
↓



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

AFFIDAVIT / UNDERTAKING

I/We have read and understood the instructions and the terms and conditions contained in the document .I/We do hereby declare that the information furnished/uploaded is correct to the best of my/our knowledge and belief .It is certified that we have not been blacklisted by the Organization Of Government of India including CVC. I /We have neither failed to perform on any agreement nor been expelled from any project or agreement nor have been any agreement terminated for breach during the last seven years .I/We further undertake and confirm that eligible similar work(s) has/have not been got executed through any agency/ firm(s) on back to back basis. Further that ,if such a violation comes to the notice of Department. Then I/We shall be debarred for tendering in SHRI RAM COLLEGE OF COMMERCE (SRCC) in future forever. Also, if such a violation comes to the notice of department before or after the date of start of work. The SRCC shall be free to forfeit the entire amount of earnest Money Deposit and Performance Guarantee. The undersigned is fully authorized to submit this document on behalf of the organization. We authorize SHRI RAM COLLEGE OF COMMERCE (SRCC) to approach individuals, employers, firms and corporations to verify our competence and general reputation.

(Signature of the Bidder)

Name and Address of the bidder

Date:

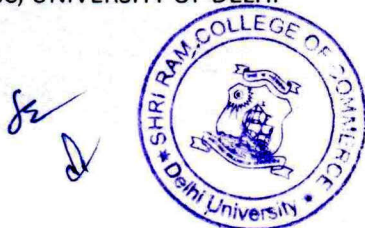
[Handwritten signature]



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce (SRCC),
University of Delhi**

APPENDIX TO GENERAL CONDITIONS OF CONTRACT SCHEDULE OF FISCAL ASPECTS

Name of Work:	Installation of G+1 Porta Cabins for classrooms at Shri Ram College of Commerce (SRCC), University of Delhi
Defect Liability Period	12 Months after the completion of entire work. During defect liability period of 12 months the contractor will depute their staff for attending all types of construction defects included under the scope of contract and rectify the defects free of cost
Period of Final Measurement and Valuation	Within 30 days from date of handing over the work
Time for Completion	3 months
Agreed liquidated damages	The quantum of LD shall be 1% of the contract sum of the works per week of delay subject to maximum of 10% of contract
Performance Guarantee	3% of the accepted Work Order/Contract Value
Security Deposit Percentage	10% from Gross amount each bill
Limit of Security Deposit	7% of the gross amount of work
Refund of Security Deposited after the virtual completion	50% after virtual completion of the works subject to finalization of bill and rest 50% after defect liability period of 12 months, subject to all defects
Period of honouring certificate	75% within 10 days of submission of bill, duly certified by the Site engineer and Architect. Balance within 20 days of submission of bill duly measurement checked and verified by the Site Engineer and certified by Architect.
Mobilisation Advance	Nil
Escalation Clause	Nil as the period of contract is 3 months only.



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce(SRCC),
University of Delhi**

FORM 'A'

FINANCIAL INFORMATION

I. Financial Analysis – Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the last three years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

Years

SNo.	2019-20	2020-21	2021-22
Turnover			
Profit and Loss			

- (i) Gross Annual turnover on construction works.
- (ii) Profit/Loss.

II. Financial arrangements for carrying out the proposed work.

NOTE: - Average Annual Financial turnover for similar work

Signature of Chartered Accountant with Seal

Signature of Bidder(s).



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce(SRCC),
University of Delhi**

FORM 'B'

**Details Of Eligible Similar Nature of Works Completed During The Last Five Years Ending Previous Day
Of Last Date Of Submission Of Tenders**

S. No.	Name of work/ project and location	Owner or sponsoring organization	Cost of work in crores of rupees	Date of commen cement as per contract	Stipulated date of completion	Actual date of completion	Litigation/arbitrati on cases pending/in progress with details*	Name and address/ telephone number of officer	Whether then work was done on back to back basis Yes/No
1	2	3	4	5	6	7	8	9	10

* Indicate gross amount claimed and amount awarded by the Arbitrator.

Signature of Bidder(s)

Se
D



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce(SRCC),
University of Delhi**

FORM 'C'

PERFORMANCE REPORT OF WORKS REFERRED TO IN FORMS "B"

1. Name of work/project & location
2. Agreement no.
3. Estimated cost
4. Tendered cost
5. Date of start
6. Date of completion
 - (i) Stipulated date of completion
 - (ii) Actual date of completion
7. (a) Whether case of levy of compensation for delay has been decided or not Yes/No
(b) If decided, amount of compensation levied for delayed completion, if any
8. Performance Report
 - (1) Quality of work Outstanding/Very Good/Good/Poor
 - (2) Financial soundness Outstanding/Very Good/Good/Poor
 - (3) Technical Proficiency Outstanding/Very Good/Good/Poor
 - (4) Resourcefulness Outstanding/Very Good/Good/Poor
 - (5) General Behavior Outstanding/Very Good/Good/Poor

Dated:

Executive Engineer or Equivalent



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce(SRCC),
University of Delhi**

FORM "D"

STRUCTURE & ORGANISATION

1. Name & address of the bidder
2. Telephone no./Telex no./Fax no.& Email id
3. Legal status of the bidder (attach copies of original document defining the legal status)
 - (a) An Individual
 - (b) A proprietary firm
 - (c) A firm in partnership
 - (d) A limited company or Corporation
4. Particulars of registration with various Government Bodies (attach attested photocopy)

Organization/Place of registration

Registration No.

- 1.
- 2.
- 3.
5. Names and titles of Directors& Officers with designation to be concerned with this work.
6. Designation of individuals authorized to act for the organization
7. Has the bidder, or any constituent partner in case of partnership firm Limited Company/Joint Venture, ever been convicted by the court of law? If so, give details.
8. In which field of construction the bidder has specialization and interest?
9. Any other information considered necessary but not included above.

Signature of Bidder(s)



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce(SRCC),
University of Delhi**

FORM 'E'

Details Of Eligible Similar Nature of Ongoing Works

S. No.	Name of work/ project and location	Owner or sponsoring organization	Cost of work in crores of rupees	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation/arbitra tion cases pending/in progress with details*	Name and address/ telephone number of officer	Whether then work was done on back to back basis Yes/No
1	2	3	4	5	6	7	8	9	10

* Indicate gross amount claimed and amount awarded by the Arbitrator.

Signature of Bidder(s)

Handwritten signature



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce(SRCC),
University of Delhi**

FORM F

CRITERIA FOR EVALUATION OF THE PERFORMANCE OF CONTRACTORS FOR PRE-ELIGIBILITY

	ATTRIBUTES	EVALUATION	
(a)	Financial Strength (20)		
	1. Avg Annual turnover :- 16 marks 2. Solvency Certificate :- 4 marks	(i) 60% marks for minimum eligibility criteria (ii) 100% marks for twice the minimum eligibility criteria or more In between (i) & (ii) - on pro-rata basis	
(b)	Experience in similar Works: (20 marks)	(i) 60% marks for minimum eligibility criteria (ii) 100% marks for twice the minimum eligibility criteria or more In between (i) & (ii) - on pro-rata basis	
(c)	Performance on works (time over run) (10 marks)		
	Parameter Calculation for points	Score	Max Points
	If TOR= 1. Without levy of compensation 2. With levy of compensation 3. Levy of compensation not decided	1.00 2.00. 3.00 >3.50 10. 08. 05. 05 10. 05. 00. -05 10. 08. 00. 00	10
	TOR = AT/ST, where AT=Actual Time; ST=Stipulated Time in the Agreement plus (+) justified period of Extension of Tim Note: Marks for value in between the stages indicated above is to be determined by straight line variation basis. Average of qualifying project having minimum marks shall be taken for evaluation.		
(d)	Performance of works (Quality)	40 Marks	
	1. Outstanding. 40 2. Very Good 30 3. Good 20 4. Poor 00		
Note: Evaluation of Performance of Work (d) shall be based on site visit and interaction with client & user by committee member of college.			



Handwritten signature and initials in blue ink.

**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce(SRCC),
University of Delhi**

(e)	Disputes in last five years	(Max 10 marks)	(If none, affidavit to that effect)
	1. No disputes	10	
	2. Not more than 3 disputes	5	
	3. More than 3 disputes	0	

Evaluation of the Technical Bid shall be carried out of a total of 100 marks allocated as per table in Form- 'F'. The prospective APPLICANT has to score minimum of 50 percent marks in each and 60 marks in aggregate to qualify. Financial bid will be open for those who are successfully qualified in technical evaluation.



[Handwritten signature]

**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce(SRCC),
University of Delhi**

SECTION - XII: LIST OF APPROVED MAKES

LIST OF APPROVED MAKES FOR CIVIL & FINISHING WORKS

S. No.	Details of Materials / Equipment	Manufacturer's Name
--------	----------------------------------	---------------------

A. CONCRETE

1.	Concrete Admixtures	Fosroc, Sika, BASF
2.	Cementitious non shrink	Fosroc, Sika, CICO
3.	Grey Cement (OPC) Grade 43/53 equivalent Approved	Ambuja, ACC, JK/Birla/Shree Cement or
4.	Integral Water Proofing Compound	Fosroc, Sika, Dr. Fixit
5.	Reinforcement Steel	TATA, SAIL, VIZAG
6.	Structural Steel/ hollow tube section	TATA, SAIL, VIZAG, Jindal
7.	Anti-Termite Treatment Buildings	Dusban TC, Chlorpyrifos, Dhanvka
8.	Anchor fasteners	Hilti, Fischer, Anchor-man
9.	SBR Latex	Fosroc, BASF, Rouf

B. DOORS & WINDOWS

1.	Fire door	Navair, Adhunik, Balco, TATA
2.	Aluminium Sections	Jindal, Hindalco, Jindal
3.	Glass	Saint Gobain, Modi float, AsahiIndia
4.	Glass wool	Up Twiga, Ilyod
5.	Ply & Boards/ Flush door shutters / Block boards	Greenply, Kitply, Century
6.	Pressed Steel Door / Windows Frames & Shutters	Perfect, Agew, Anand Windows (New



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce(SRCC),
University of Delhi**

Delhi)

7.	Hardware (Door Fittings or Door Lock)	Door set, Dorma, Ozone
8.	Adhesives	Araldite, Fevicol SH
9.	EPDM Gasket	Dow Corning
10.	Veneers 3/4"	Euro, Greenply, Anchor
11.	Laminates 1mm and 1.5 mm	Greenlam, Century, Kitply
12.	ACP Panels	Alucobond, Alstrong
13.	Door Lock	Dorset, Godrej, Ozone
14.	Hydraulic Door Closer	Dorset, Everite, Ozone
15.	Floor Spring	Dorma, Everite, Geze
16.	Patch Fittings	Ozone, Enox, Zaha
17.	Glass door Handles	Kich, Dunex, Dorma
18.	Mortice	Godrej, Dunex, Kich
19.	Handles	Dorma, Dorest, Ozone
20.	Pre-laminated Particle board	Green ply, Century ply, Archid ply
C.	FINISHING	
1.	Cement Paint	Super Snowcem, Nitcocem, Asian
2.	PAINTS - Plastic Emulsion / Acrylic Emulsion / Synthetic Enamel OBD / Luster	c: Asian Paints ICI Berger
3.	External Paint	Asian Apex Ultima



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce(SRCC),
University of Delhi**

		ICI Dulex weather-shield Max Berger Weather- coat long life
4.	Epoxy Paint	Asian, Berger, MRF
6.	PU Paint	BASF, Berger, Asian
7.	Thermo Plastic Paint	Shalimar, Asian, BASF
8.	Primer / PUTTY	Birla, JK, ICI
9.	Wood preservative	Wood guard, Termiseal, MRF
10.	Fire retardant paint	BASF, Noble, Firetard
11.	False Ceiling (Calcium Silicate Board), Accessories	Arm-strong , Ramco India Gypsum Saint Govin
12	Board Partition (Calcium Silicate Board)	Ramco India Gypsum Saint Govin
13	Silicon Sealant	Dow Corning Wacker GE
14	Poly-sulphide Sealant	Fosroc, Dr. Fixit Choksey Chemicals
15	Gypsum Plaster	St. Gobain, Birla, Dudhi
16	Gypsum Board	India Gypsum, Boral
17	SS Pipes	Magnum, Dorma, Jindal
D. FLOORING		
1.	Ceramic / Vitrified Tile	H & R Johnson, Kajaria, Somany



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce(SRCC),
University of Delhi**

- | | | |
|----|---------------------------------|-----------------------|
| 2. | PVC Vinyl Flooring | Armstrong, RMG, Bhor |
| 3. | Paper Block | GICO, Tulsi |
| 4. | White Cement | Birla White, JK White |
| 5. | Laminated Wooden Floor/Skirting | Vista, Pergo |

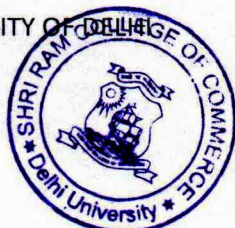
D. ROOFING

- | | | |
|----|---------------------|--|
| 1. | Galvalume Precoated | TATA BLUE SCOPE, Multi Colour
Interarch |
| 2. | GI Fittings | R' Brand, Unik |
| 3. | GI Pipes | Tata, Surya, Jindal |
| 4. | Polycarbonate Sheet | LEXAN, Lloyd, GE |

ELECTRICAL WORKS

S.no	Equipment / Material	Approved Makes
A	Distribution Boards	
•	MCB / ELCB / RCCB / EL+MCB / Isolators	: Legrand / Schneider / Siemens / Hager
•	Distribution Boards	: Legrand / Schneider / Siemens / Hager
•	Enclosure for MCB / ELCB / Isolator	: Legrand / Schneider / Siemens / Hager
•	Sub-Meters (Digital Type) with / without built-in selector switch	: Conzerv / Secure / L&T
B.	LT Cables, Mains & Sub-mains	
•	Aluminum Conductor Armoured / Unarmoured Cable	: Finolex / Gloster/ Polycab

(Handwritten signature)



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce(SRCC),
University of Delhi**

•	Copper Conductor Armoured / Unarmoured Cable	:	Finolex / Gloster/ Polycab
•	Copper Conductor Armoured / Unarmoured Control Cable	:	Finolex / Ralison / Polycab
•	Single core unsheathed copper wires	:	Finolex / Gloster/ Polycab
•	Thimbles & Lugs	:	Dowells / Action or Equal
•	Brass Glands	:	Comet / Gripwell / Electromec or Equal
C.	Earthing(Maintenance free)		
•	GI / Copper Earth Tapes	:	As per Specifications (Copper earth tapes to have conductivity not less than 85%)
•	GI / Copper Earth Pipes	:	As per Specifications (Copper earth tapes to have conductivity not less than 85%)
•	GI / Copper Plates	:	As per Specifications (Copper earth tapes to have conductivity not less than 85%)
•	GI / Copper Pipes	:	As per Specifications (Copper earth tapes to have conductivity not less than 85%)
•	GI Pipe	:	TATA / Jindal Hissar / Surya
D.	Conduits and Wiring		
•	MS Conduits / Accessories	:	BEC / STEEL KRAFT/ RM CON (ISI Marked)
•	PVC Conduits	:	Indiana / Polypack / AKG (2 mm Wall Thickness)
•	FR PVC Insulated Copper Wires	:	Ralison / KEI / Finolex / Polycab or Equal
E.	Receptacles		
•	Switch, Socket Outlet and Receptacle	:	Legrand (Myrius Series) / MK India (Blenze)/ Clipsal - Zencelo or equal / Anchor(Sample & Colour to be approved by Owner / Architect)
F.	Telephone System		
•	Telephone Armoured Cable	:	Skytone / Delton / Finolex/Polycab
•	Telephone Wires	:	Skytone / Delton / Finolex/Polycab
•	TV Co-axial Cable	:	Skytone / Delton / Finolex/Polycabb



**Installation of G+1 Porta Cabins for Classrooms at Shri Ram College of Commerce(SRCC),
University of Delhi**

- Cat VI Cable : Legrand / Panduit(Pannet) / Siemon
- Patch Panel : Legrand / Panduit(Pannet) / Siemon
- Patch Cord : Legrand / Panduit(Pannet) / Siemon
- Racks : Legrand / Rittal / APW
- Telephone Tag Boxes : Krone in Metal Enclosure
- G. Lighting Fixtures & Lamps**
- Light Fixtures : Philips / Bajaj / Osram
- Lamps : Philips / Bajaj / Osram
- H. UPS** : ABB / Bemic / Schneider

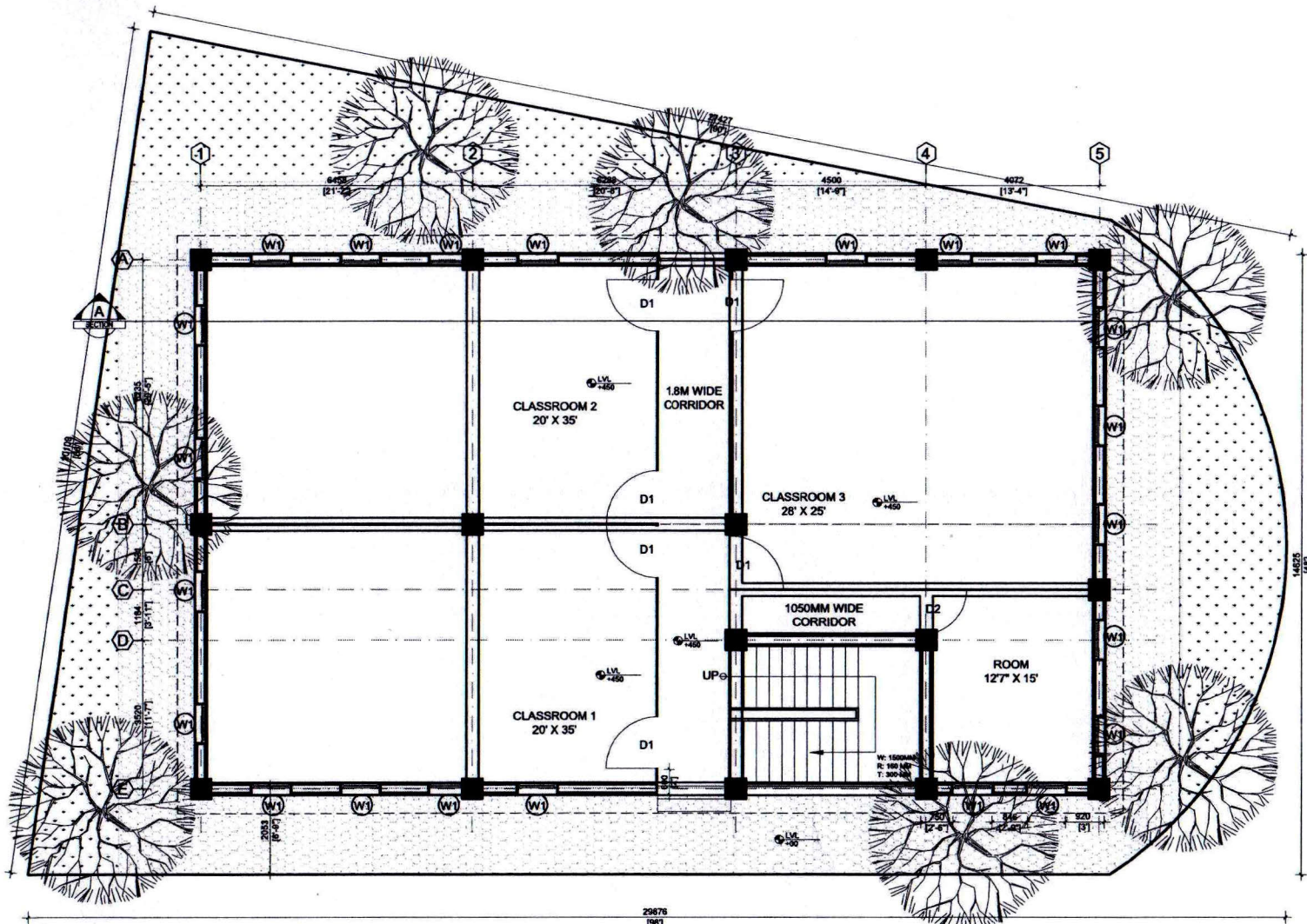
- I** : CCTV : Tyco / Pelco / Axis

- J** : Fire alarm system : Honey well / jhonsan / Notifier
- K** : Motorized Screen : Benq/Epson/Vivitek

- L** : Brightness of 3500 Lumens,WXGA (1280 x 800) Native Resolution,1.21 to 1.57:1 Throw Ratio,VGA, Composite, S-Video, 2x HDMI Inputs,Integrated 10-Watt Speaker,Ethernet& RS-232 Controllable : Benq/Epson/Vivitek

Handwritten signature



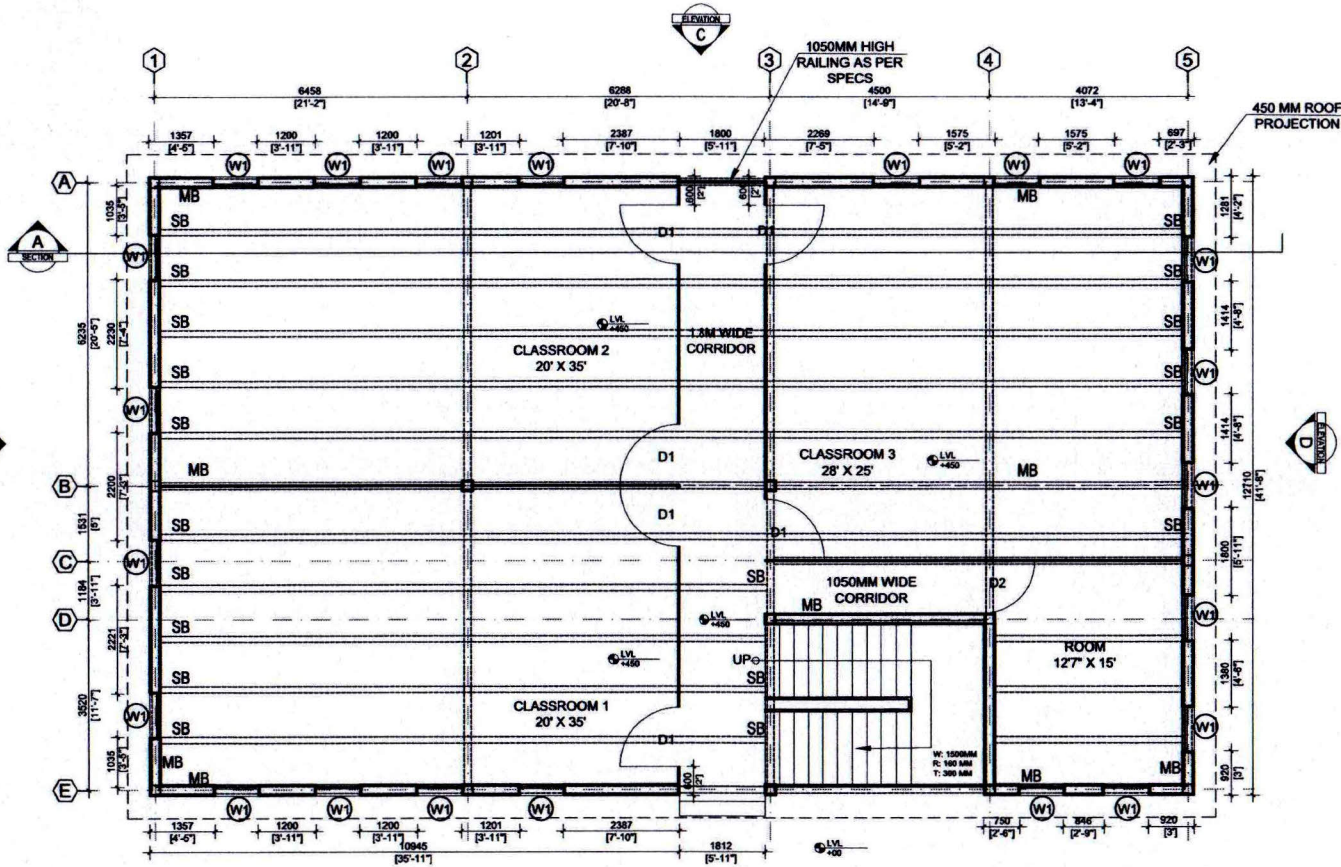


SITE PLAN



D-1

NOTES:-			
1. All dimensions are in Millimeters, unless otherwise noted. Do not scale drawing, only written dimensions to be followed.			
2. In case of discrepancy in drawing the same may be notified to DEPL before commencing work at site.			
3. All structural / services drawings to be read in conjunction with Architectural Drawings.			
4. The details in all the drawings to be read properly, understood and executed by competent qualified engineering personnel, trained in construction activities of such nature and magnitude. He/ she should possess adequate knowledge of Good engineering practices, relevant codes & standards for the area of concern.			
5. This document should not be used in circumstances other than for those for which it was originally prepared and for which DeArch Engineers Pvt. Ltd. was commissioned.			
6. DEPL cannot be held responsible for errors/ lapses during execution as a consequence of improper, inadequate or incompetent study of the drawings.			
7. Refer door and window schedule drawing for opening we have marked included hinge dimension with opening dimension in the drawing			
REV	DATE	REVISION NOTE	
REVISION INDEX			
CLIENT:-			
Shri Ram College of Commerce			
REVIEWED BY:-		APPROVED BY:-	
CONSULTANTS:-			
		DeArch ENGINEERS	
510 Best Business Park Netaji Subhash Place New Delhi 110034.O:011 40108292 Email Id:-Team@DeArchengineers.com			
PROJECT:-			
Development of Miscellaneous Infrastructure at Shri Ram College of Commerce.			
DRAWING TITLE:-			
PORTA CABIN-SITE PLAN			
DRAWING No:- DEPL/SRCC/PC/ A01			
DRAWN BY:-		CHECKED BY:-	
VAISHALI VERMA		NIPUN ARORA	
SHEETSIZE	A3	REV.NO.	NORTH
SCALE	1:100		
DATE	29.08.2022	R0	
<input checked="" type="checkbox"/>	FOR TENDER PURPOSE	<input type="checkbox"/>	ADVANCE COPY
<input type="checkbox"/>	FOR APPROVAL	<input type="checkbox"/>	GOOD FOR CONSTRUCTION



GROUND FLOOR PLAN



NOTES:-

1. All dimensions are in Millimeters, unless otherwise noted. Do not scale drawing, only written dimensions to be followed.
2. In case of discrepancy in drawing the same may be notified to DEPL before commencing work at site.
3. All structural / services drawings to be read in conjunction with Architectural Drawings.
4. The details in all the drawings to be read properly, understood and executed by competent qualified engineering personnel, trained in construction activities of such nature and magnitude. He/she should possess adequate knowledge of Good engineering practices, relevant codes & standards for the area of concern.
5. This document should not be used in circumstances other than for those for which it was originally prepared and for which DeArch Engineers Pvt. Ltd. was commissioned.
6. DEPL cannot be held responsible for errors/ lapses during execution as a consequence of improper, inadequate or incompetent study of the drawings.
7. Refer door and window schedule drawing for opening we have marked included hinge dimension with opening dimension in the drawing

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-

Shri Ram College of Commerce



REVIEWED BY:-

APPROVED BY:-

CONSULTANTS:-



510 Best Business Park Netaji Subhash Place New Delhi 110034.O:011 40108292 Email Id:-Team@DeArchengineers.com

PROJECT:-

Development of Miscellaneous Infrastructure at Shri Ram College of Commerce.

DRAWING TITLE:-
PORTA CABIN-GROUND FLOOR PLAN

DRAWING No:- DEPL/SRCC/PC/ A02

DRAWN BY:-

VAISHALI VERMA

CHECKED BY:-

NIPUN ARORA

SHEET SIZE

A3

SCALE

1:100

DATE

29.08.2022

REV.NO.

R0

NORTH



FOR TENDER PURPOSE

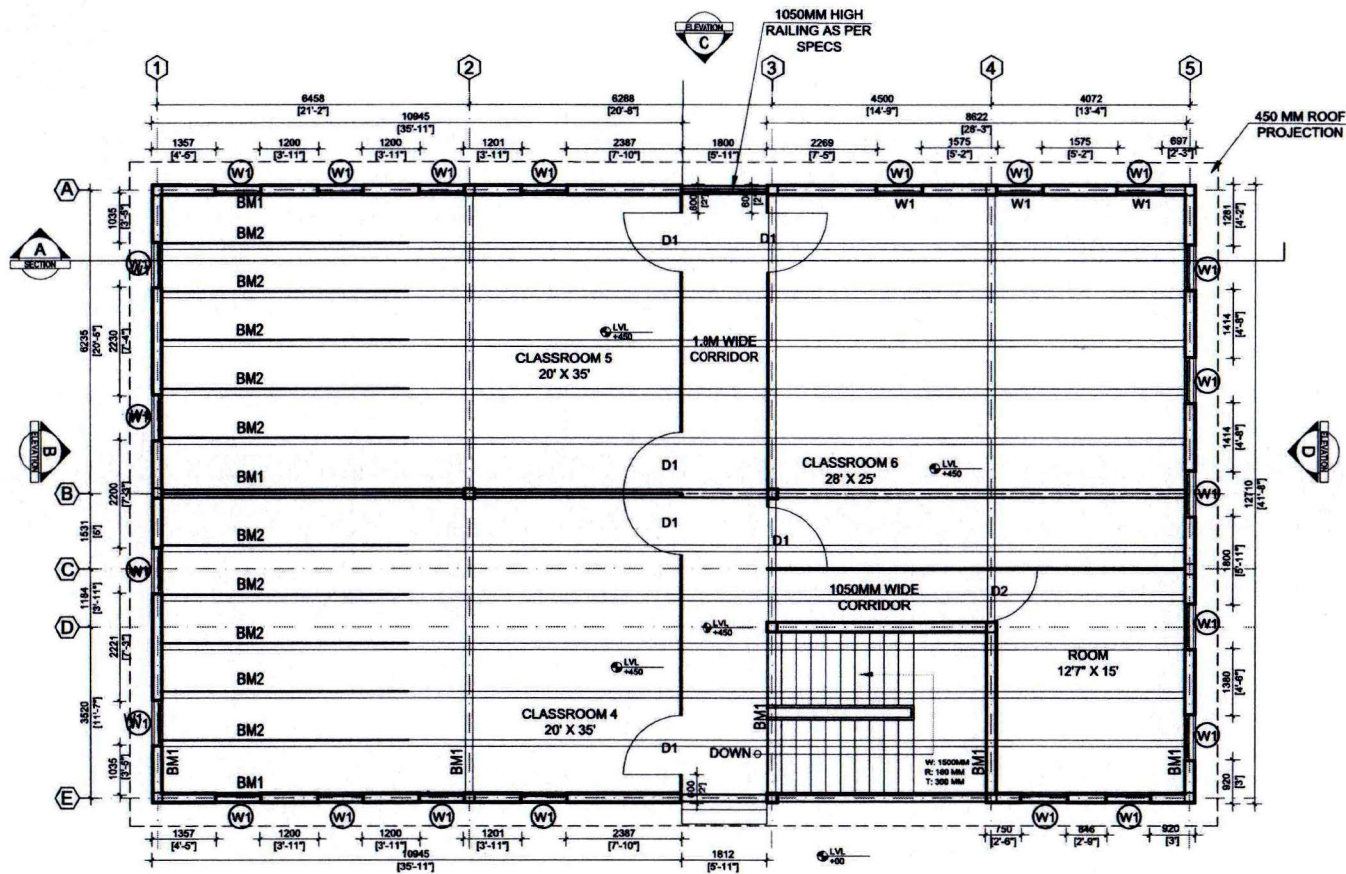
ADVANCE COPY

FOR APPROVAL

GOOD FOR CONSTRUCTION

Handwritten signature and initials.

D-2



FIRST FLOOR PLAN



- NOTES:-
1. All dimensions are in Millimeters, unless otherwise noted. Do not scale drawing, only written dimensions to be followed.
 2. In case of discrepancy in drawing the same may be notified to DEPL before commencing work at site.
 3. All structural / services drawings to be read in conjunction with Architectural Drawings.
 4. The details in all the drawings to be read properly, understood and executed by competent qualified engineering personnel, trained in construction activities of such nature and magnitude. He/ she should possess adequate knowledge of Good engineering practices, relevant codes & standards for the area of concern.
 5. This document should not be used in circumstances other than for those for which it was originally prepared and for which DeArch Engineers Pvt. Ltd. was commissioned.
 6. DEPL cannot be held responsible for errors/ lapses during execution as a consequence of improper, inadequate or incompetent study of the drawings.
 7. Refer door and window schedule drawing for opening we have marked included hinge dimension with opening dimension in the drawing

REV	DATE	REVISION NOTE
-----	------	---------------

REVISION INDEX

CLIENT:-
Shri Ram College of Commerce



REVIEWED BY:-
 APPROVED BY:-

CONSULTANTS:-



510 Best Business Park Netaji Subhash Place New Delhi 110034.O:011 40108292 Email Id:-Team@DeArchengineers.com

PROJECT:-
 Development of Miscellaneous Infrastructure at Shri Ram College of Commerce.

DRAWING TITLE:-
 PORTA CABIN-FIRST FLOOR PLAN

DRAWING No:- DEPL/SRCC/PC/ A03

DRAWN BY:-
 VAISHALI VERMA

CHECKED BY:-
 NIPUN ARORA

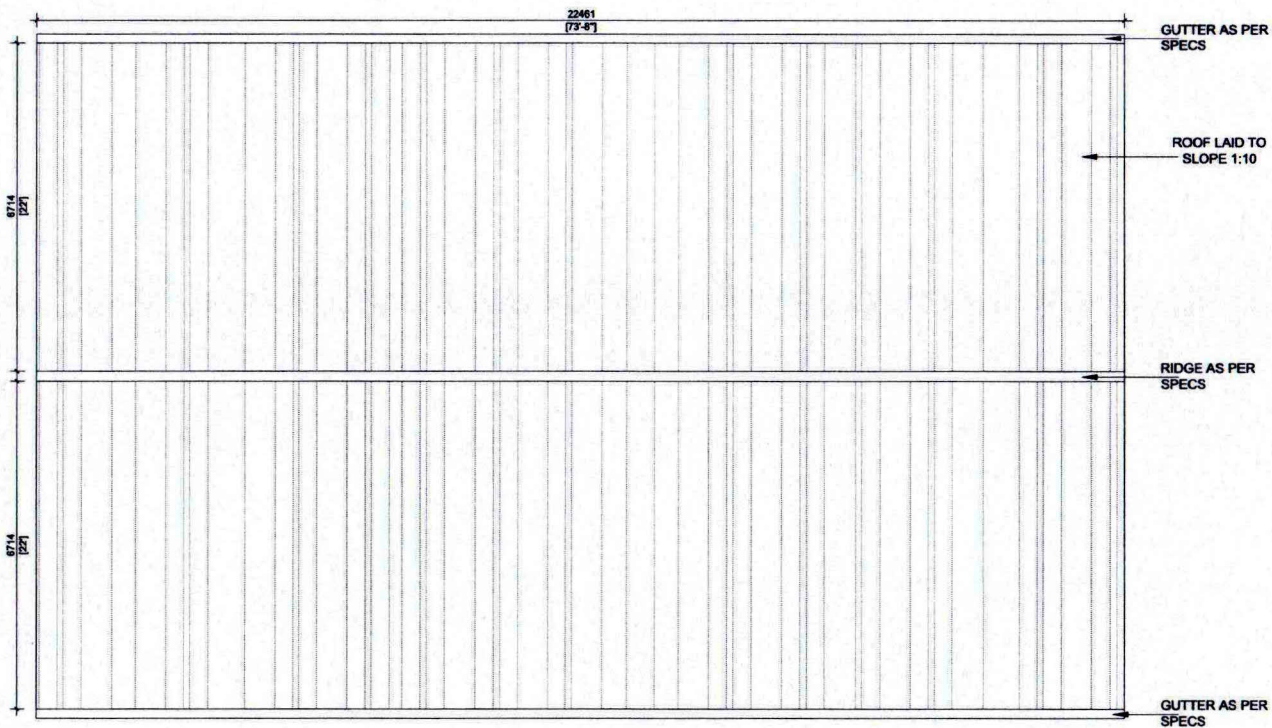
SHEETSIZE A3
 SCALE 1:100
 DATE 29.08.2022

REV.NO. R0

NORTH

- FOR TENDER PURPOSE
- FOR APPROVAL
- ADVANCE COPY
- GOOD FOR CONSTRUCTION

Handwritten signature and initials: *[Signature]* D-3



ROOF PLAN



Handwritten signatures and initials: JS, D-4


- NOTES:-
- All dimensions are in Millimeters, unless otherwise noted. Do not scale drawing, only written dimensions to be followed.
 - In case of discrepancy in drawing the same may be notified to DEPL before commencing work at site.
 - All structural / services drawings to be read in conjunction with Architectural Drawings.
 - The details in all the drawings to be read properly, understood and executed by competent qualified engineering personnel, trained in construction activities of such nature and magnitude. He/ she should possess adequate knowledge of Good engineering practices, relevant codes & standards for the area of concern.
 - This document should not be used in circumstances other than for those for which it was originally prepared and for which DeArch Engineers Pvt. Ltd. was commissioned.
 - DEPL cannot be held responsible for errors/ lapses during execution as a consequence of improper, inadequate or incompetent study of the drawings.
 - Refer door and window schedule drawing for opening we have marked included hinge dimension with opening dimension in the drawing

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-

Shri Ram College of Commerce



REVIEWED BY:-

APPROVED BY:-

CONSULTANTS:-



DeArch ENGINEERS


510 Best Business Park Netaji Subhash Place New Delhi 110034.O:011 40108292 Email Id:-Team@DeArchengineers.com

PROJECT:-
Development of Miscellaneous Infrastructure at Shri Ram College of Commerce.

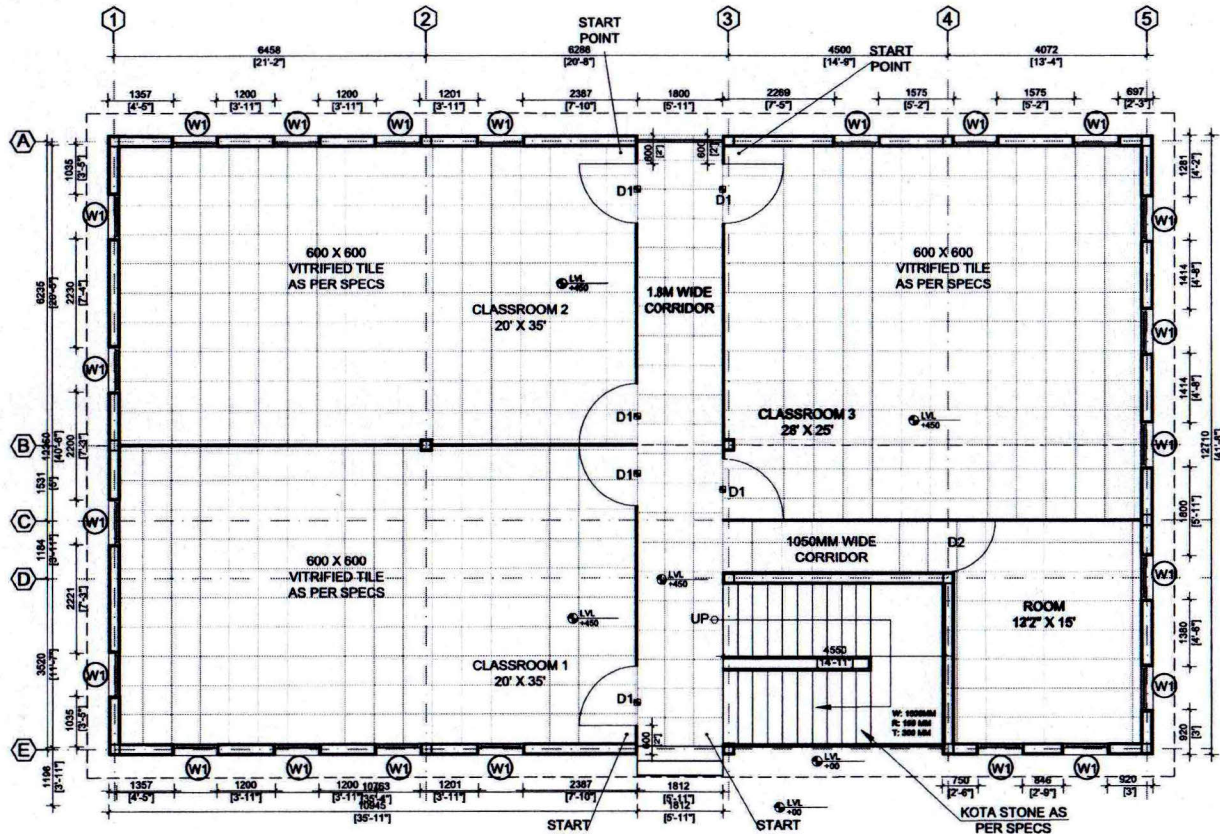
DRAWING TITLE:-
PORTA CABIN-ROOF PLAN

DRAWING No:- DEPL/SRCC/PC/ A04

DRAWN BY:- VAISHALI VERMA	CHECKED BY:- NIPUN ARORA
------------------------------	-----------------------------

SHEET SIZE A3	REV. NO. R0	NORTH 
SCALE 1:100		
DATE 29.08.2022		

<input checked="" type="checkbox"/> FOR TENDER PURPOSE	<input type="checkbox"/> ADVANCE COPY
<input type="checkbox"/> FOR APPROVAL	<input type="checkbox"/> GOOD FOR CONSTRUCTION



FLOORING PATTERN



Handwritten signatures and initials: J.S. and D-5

NOTES:-

- All dimensions are in Millimeters, unless otherwise noted. Do not scale drawing, only written dimensions to be followed.
- In case of discrepancy in drawing the same may be notified to DEPL before commencing work at site.
- All structural / services drawings to be read in conjunction with Architectural Drawings.
- The details in all the drawings to be read properly, understood and executed by competent qualified engineering personnel, trained in construction activities of such nature and magnitude. He/she should possess adequate knowledge of Good engineering practices, relevant codes & standards for the area of concern.
- This document should not be used in circumstances other than for those for which it was originally prepared and for which DeArch Engineers Pvt. Ltd. was commissioned.
- DEPL cannot be held responsible for errors/ lapses during execution as a consequence of improper, inadequate or incompetent study of the drawings.
- Refer door and window schedule drawing for opening we have marked included hinge dimension with opening dimension in the drawing

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-

Shri Ram College of Commerce



REVIEWED BY:-

APPROVED BY:-

CONSULTANTS:-



510 Best Business Park Netaji Subhash Place New Delhi 110034.O:011 40108292 Email Id:-Team@DeArchengineers.com

PROJECT:-

Development of Miscellaneous Infrastructure at Shri Ram College of Commerce.

DRAWING TITLE:-

PORTA CABIN-FLOORING PATTERN

DRAWING No:- DEPL/SRCC/PC/ A05

DRAWN BY:-

VAISHALI VERMA

CHECKED BY:-

NIPUN ARORA

SHEETSIZE A3

SCALE 1:100

DATE 29.08.2022

REV.NO.

R0

NORTH

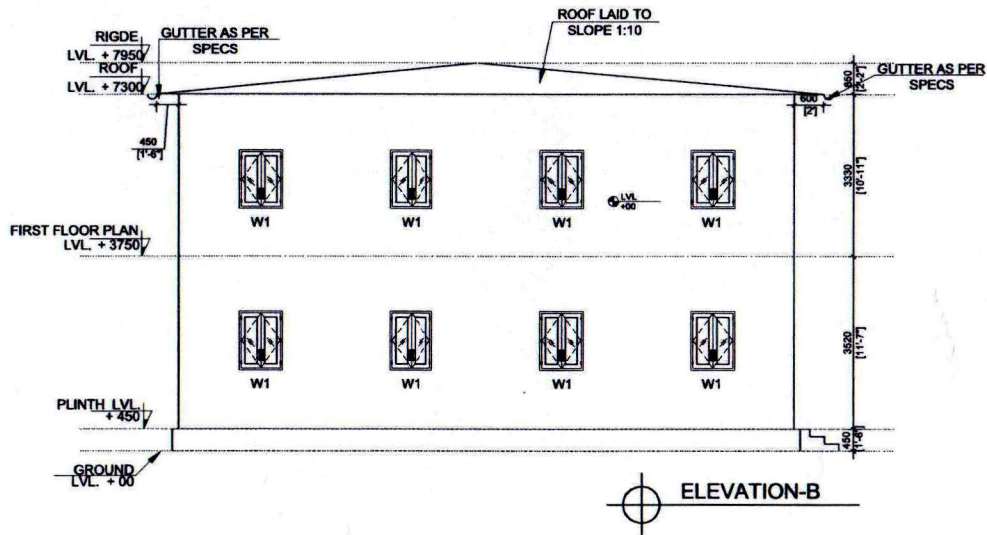
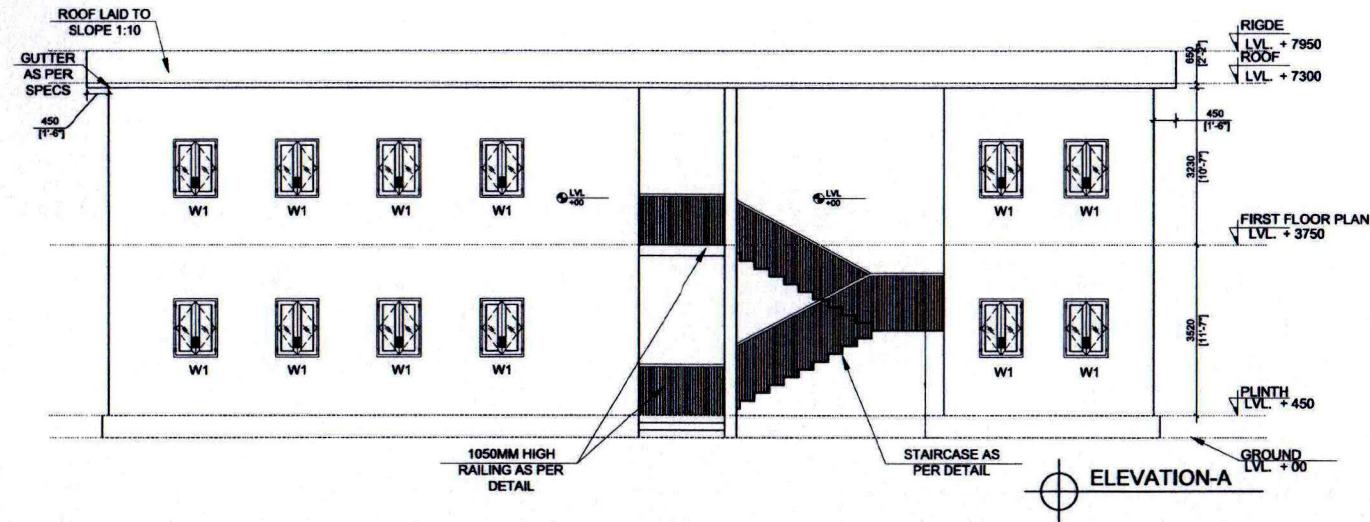


FOR TENDER PURPOSE

FOR APPROVAL

ADVANCE COPY

GOOD FOR CONSTRUCTION



Handwritten signature and the number 'D-6' at the bottom center of the page.

NOTES:-

1. All dimensions are in millimeters, unless otherwise noted. Do not scale drawing, only written dimensions to be followed.
2. In case of discrepancy in drawing the same may be notified to DEPL before commencing work at site.
3. All structural / services drawings to be read in conjunction with Architectural Drawings.
4. The details in all the drawings to be read properly, understood and executed by competent qualified engineering personnel, trained in construction activities of such nature and magnitude. He/ she should possess adequate knowledge of Good engineering practices, relevant codes & standards for the area of concern.
5. This document should not be used in circumstances other than for those for which it was originally prepared and for which DeArch Engineers Pvt. Ltd. was commissioned.
6. DEPL cannot be held responsible for errors/ lapses during execution as a consequence of improper, inadequate or incompetent study of the drawings.
7. Refer door and window schedule drawing for opening we have marked included hinge dimension with opening dimension in the drawing

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-

Shri Ram College of Commerce



REVIEWED BY:-

APPROVED BY:-

CONSULTANTS:-



510 Best Business Park Netaji Subhash Place New Delhi 110034. O:011 40108292 Email Id:-Team@DeArchengineers.com

PROJECT:-

Development of Miscellaneous Infrastructure at Shri Ram College of Commerce.

DRAWING TITLE:-

PORTA CABIN-ELEVATIONS

DRAWING No:- DEPL/SRCC/PC/ A06

DRAWN BY:-

VAISHALI VERMA

CHECKED BY:-

NIPUN ARORA

SHEET SIZE A3

SCALE 1:100

DATE 29.08.2022

REV.NO.

R0

NORTH

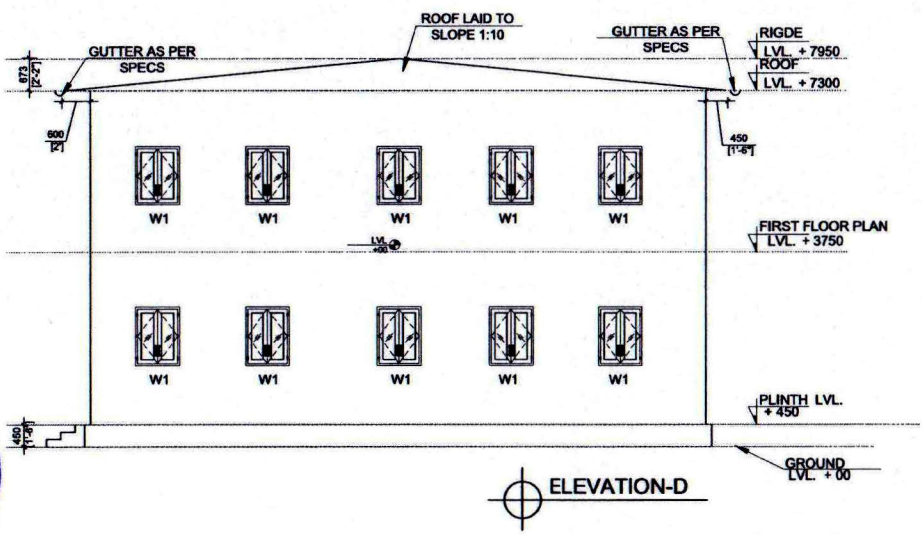
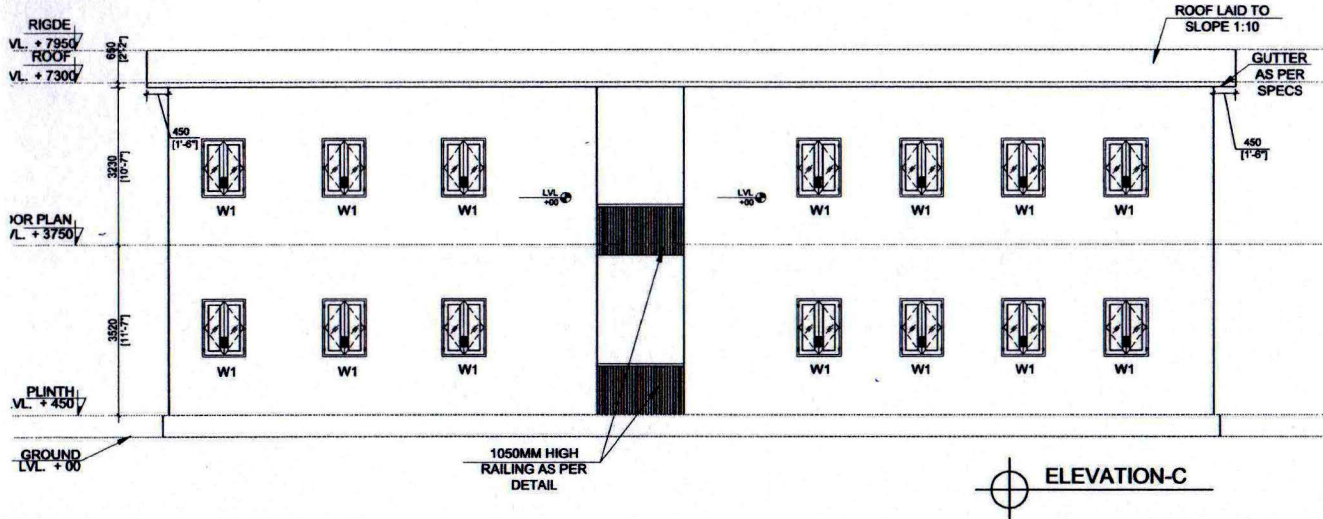


FOR TENDER PURPOSE

ADVANCE COPY

FOR APPROVAL

GOOD FOR CONSTRUCTION



83 D-7

- NOTES:-
- All dimensions are in Millimeters, unless otherwise noted. Do not scale drawing, only written dimensions to be followed.
 - In case of discrepancy in drawing the same may be notified to DEPL before commencing work at site.
 - All structural / services drawings to be read in conjunction with Architectural Drawings.
 - The details in all the drawings to be read properly, understood and executed by competent qualified engineering personnel, trained in construction activities of such nature and magnitude. He/she should possess adequate knowledge of Good engineering practices, relevant codes & standards for the area of concern.
 - This document should not be used in circumstances other than for those for which it was originally prepared and for which DeArch Engineers Pvt. Ltd. was commissioned.
 - DEPL cannot be held responsible for errors/ lapses during execution as a consequence of improper, inadequate or incompetent study of the drawings.
 - Refer door and window schedule drawing for opening we have marked included hinge dimension with opening dimension in the drawing

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-
 Shri Ram College of Commerce

REVIEWED BY:-
 APPROVED BY:-



CONSULTANTS:-

DeArch ENGINEERS

510 Best Business Park Netaji Subhash Place New Delhi 110034. O:011 40108292 Email Id:-Team@DeArchengineers.com

PROJECT:-
 Development of Miscellaneous Infrastructure at Shri Ram College of Commerce.

DRAWING TITLE:-
 PORTA CABIN-ELEVATIONS

DRAWING No:- DEPL/SRCC/PCJ A07

DRAWN BY:-
 VAISHALI VERMA

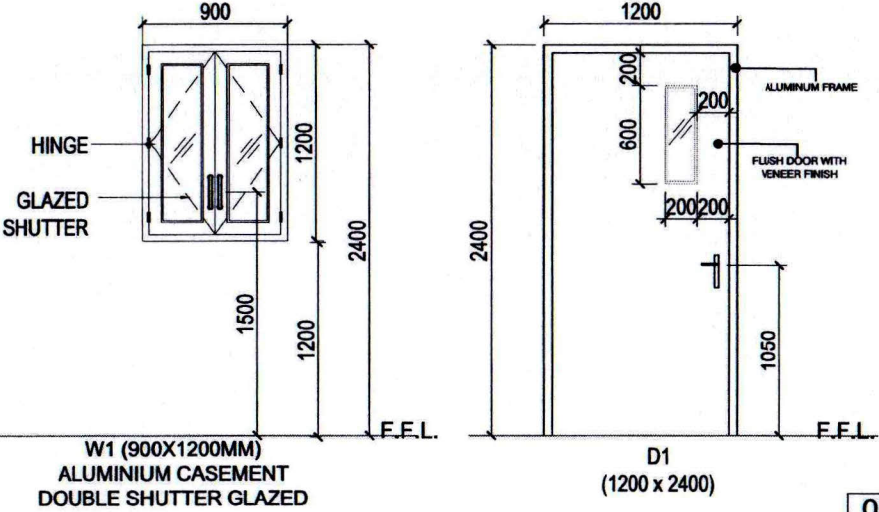
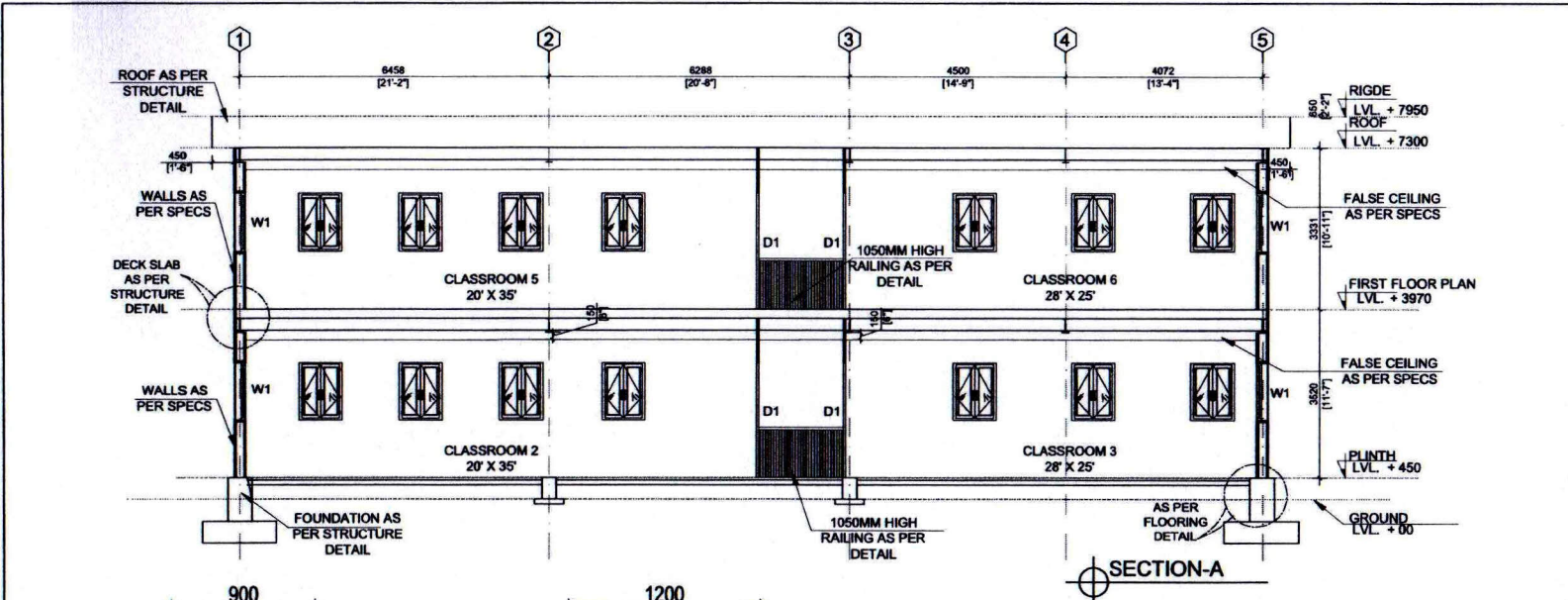
CHECKED BY:-
 NIPUN ARORA

SHEETSIZE A3
 SCALE 1:100
 DATE 29.08.2022

REV.NO. R0

NORTH

- FOR TENDER PURPOSE
- FOR APPROVAL
- ADVANCE COPY
- GOOD FOR CONSTRUCTION



OPENING SCHEDULE					
DW	SIZE	SILL	LINTEL	DESCRIPTION	FRAME
DOOR :-					
D1	1200x2400	--	2400	FLUSH DOOR	ALUMINIUM
D2	1050x2400	--	2400	FLUSH DOOR	ALUMINIUM
WINDOW					
W1	900x1200	1200	2400	DOUBLE REBATE WINDOW 1. CASEMENT DOUBLE SHUTTER 2. FLY MESH SINGLE SHUTTER	ALUMINIUM



- NOTES:-**
- All dimensions are in Millimeters, unless otherwise noted. Do not scale drawing, only written dimensions to be followed.
 - In case of discrepancy in drawing the same may be notified to DEPL before commencing work at site.
 - All structural / services drawings to be read in conjunction with Architectural Drawings.
 - The details in all the drawings to be read properly, understood and executed by competent qualified engineering personnel, trained in construction activities of such nature and magnitude. He/ she should possess adequate knowledge of Good engineering practices, relevant codes & standards for the area of concern.
 - This document should not be used in circumstances other than for those for which it was originally prepared and for which DeArch Engineers Pvt. Ltd. was commissioned.
 - DEPL cannot be held responsible for errors/ lapses during execution as a consequence of improper, inadequate or incompetent study of the drawings.
 - Refer door and window schedule drawing for opening we have marked included hinge dimension with opening dimension in the drawing

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-
Shri Ram College of Commerce



REVIEWED BY:- **APPROVED BY:-**

CONSULTANTS:-
DeArch ENGINEERS
510 Best Business Park Netaji Subhash Place New Delhi 110034.O:011 40108292
Email Id:-Team@DeArchengineers.com

PROJECT:-
Development of Miscellaneous Infrastructure at Shri Ram College of Commerce.

DRAWING TITLE:-
PORTA CABIN-SECTION AND DETAILS

DRAWING No.:- DEPL/SRCC/PC/ A08

DRAWN BY:- VAISHALI VERMA **CHECKED BY:-** NIPUN ARORA

SHEET SIZE: A3 **REV. NO.:** R0 **NORTH**

SCALE: 1:100

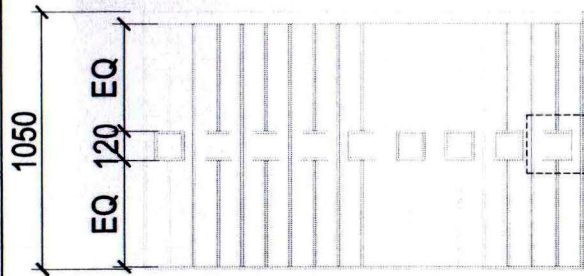
DATE: 29.08.2022

FOR TENDER PURPOSE ADVANCE COPY

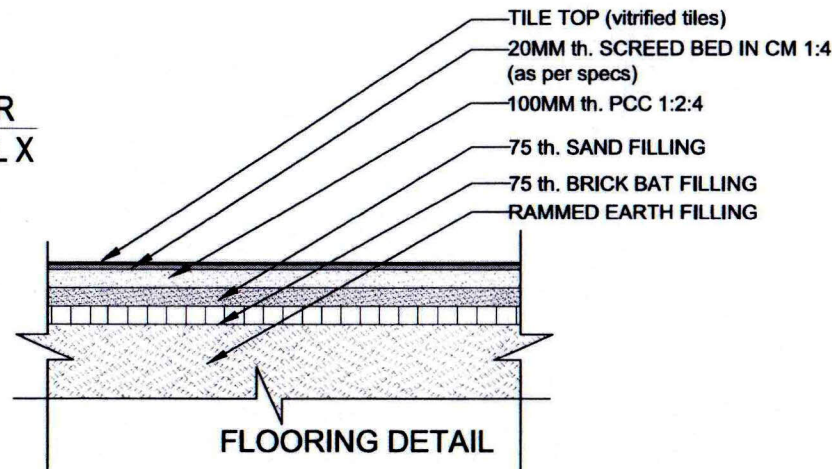
FOR APPROVAL GOOD FOR CONSTRUCTION

85 A

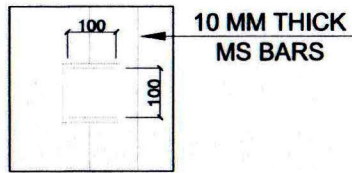
D-8



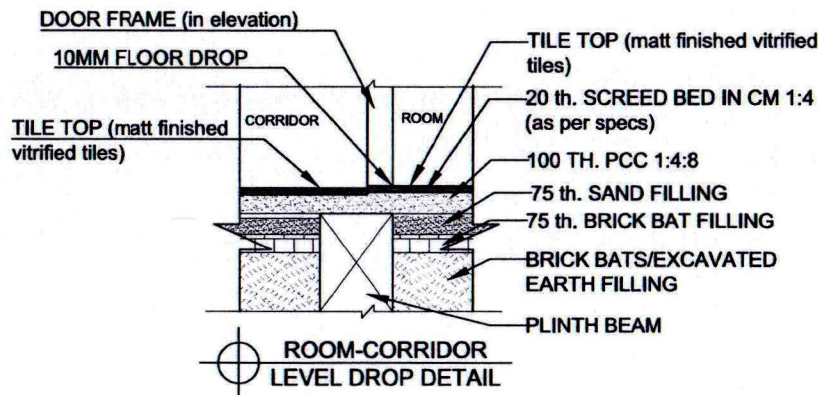
RAILING DESIGN



FLOORING DETAIL



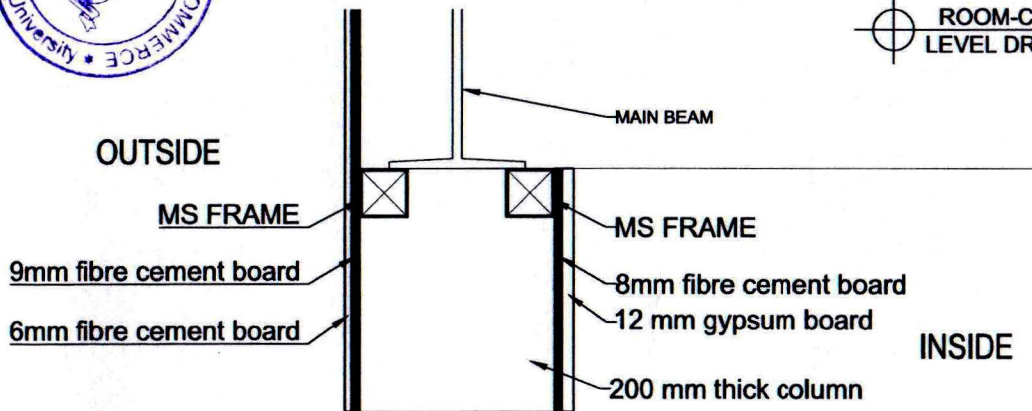
DETAIL X



ROOM-CORRIDOR LEVEL DROP DETAIL



OUTSIDE



TYPICAL WALL SECTION

NOTES:-

- All dimensions are in Millimeters, unless otherwise noted. Do not scale drawing, only written dimensions to be followed.
- In case of discrepancy in drawing the same may be notified to DEPL before commencing work at site.
- All structural / services drawings to be read in conjunction with Architectural Drawings.
- The details in all the drawings to be read properly, understood and executed by competent qualified engineering personnel, trained in construction activities of such nature and magnitude. Her site should possess adequate knowledge of Good engineering practices, relevant codes & standards for the area of concern.
- This document should not be used in circumstances other than for those for which it was originally prepared and for which DeArch Engineers Pvt. Ltd. was commissioned.
- DEPL cannot be held responsible for errors/ lapses during execution as a consequence of improper, inadequate or incompetent study of the drawings.
- Refer door and window schedule drawing for opening we have marked included hinge dimension with opening dimension in the drawing

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-

Shri Ram College of Commerce



REVIEWED BY:-

APPROVED BY:-

CONSULTANTS:-

...\\...\\General Documents\\DEPL Logo\\DEPL.png

510 Best Business Park Netaji Subhash Place New Delhi 110034. O:011 40108292 Email Id:-Team@DeArchengineers.com

PROJECT:-

Development of Miscellaneous Infrastructure at Shri Ram College of Commerce.

DRAWING TITLE:-

PORTA CABIN-DETAILS

DRAWING No:- DEPL/SRCC/PC/ A09

DRAWN BY:-

VAISHALI VERMA

CHECKED BY:-

NIPUN ARORA

SHEETSIZE

A3

SCALE

1:20

DATE

28.06.2022

REV.NO.

R0

NORTH



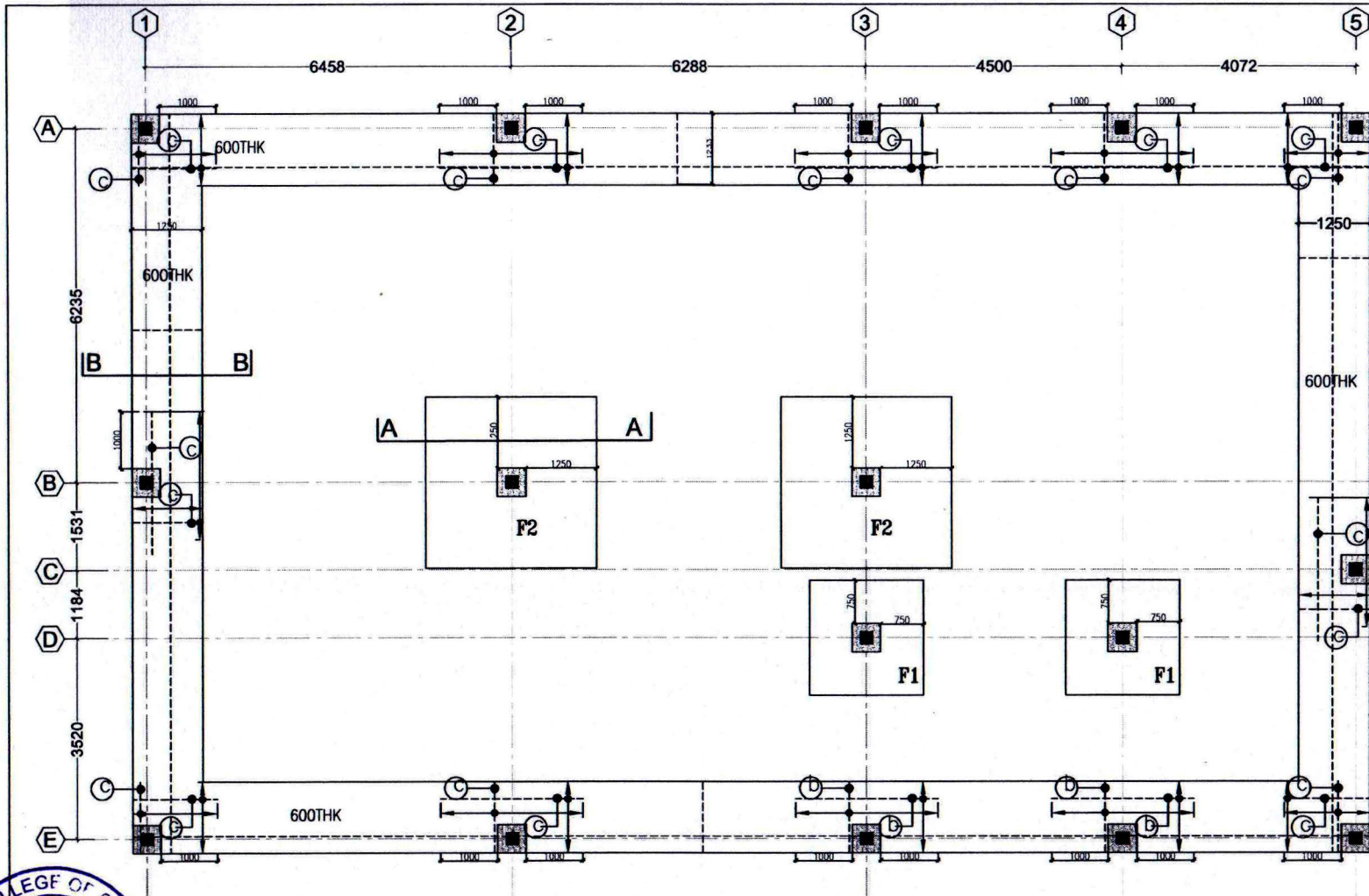
FOR TENDER PURPOSE

ADVANCE COPY

FOR APPROVAL

GOOD FOR CONSTRUCTION

Handwritten signature and date 'J-9'.



FOUNDATION PLAN

- NOTES
1. ALL DIMENSIONS ARE IN MM.
 2. DO NOT SCALE. FOLLOW WRITTEN DIMENSION ONLY.
 3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND STRUCTURAL DRGS.
 4. REINFORCEMENT SHALL BE TMT BARS OF GRADE FE 500D AND FE 500 FOR SHEAR R/F CONFORMING TO IS-1786-2008.
 5. CONC. MIX SHALL BE:
 - (i) FOR PLINTH BEAM -M25
 - (ii) FOR ISOLATED FOOTING -M25
 - (iii) FOR GRADE SLAB -M25
 - (iv) FOR PEDESTAL -M25
 6. ALL ISOLATED FOOTING SHALL BE PLACED W.R.T COLUMN AXIS.

Subject to the confirmation of structural consultant.

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-
Shri Ram College of Commerce



REVIEWED BY:- APPROVED BY:-

STRUCTURE CONSULTANTS:-
PARAVENDRA SINGH & ASSOCIATES

HOUSE NO. 23, STREET NO. 10A,
MOLARBAND EXTN., BADARPUR
NEW DELHI-110044
PH. +91-8505974666, 9968429421

CONSULTANTS:-



510 Best Business Park Netaji Subhash
Place New Delhi 110034.O:011 40108292
Email Id:-Team@DeArchengineers.com

PROJECT:-
Development of Porta Cabin G+1 at Shri Ram College of Commerce.

DRAWING TITLE:-
PORTA CABIN- FOOTING PLAN

DRAWING No:- DEPL/SRCC/PC/ S01

DRAWN BY:- SAJID
CHECKED BY:- PARAVENDRA SINGH

SHEETSIZE A3
SCALE NTS
DATE 26.08.2022
REV.NO. R0
NORTH

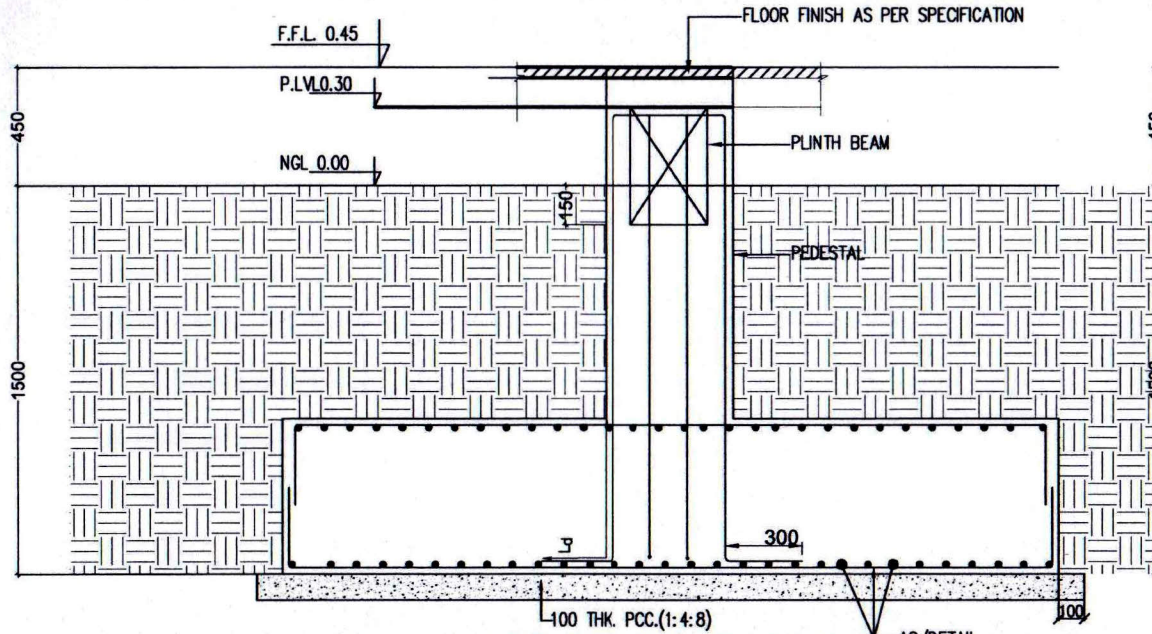
<input checked="" type="checkbox"/> FOR TENDER PURPOSE	<input type="checkbox"/> ADVANCE COPY
<input type="checkbox"/> FOR APPROVAL	<input type="checkbox"/> GOOD FOR CONSTRUCTION

FOOTING MARK	BOTTOM STEEL			TOP STEEL			
	L	B	D	LONG BAR	SHORT BAR	LONG BAR	SHORT BAR
F1	2000	2000	450	10@125	10@125	10@125	10@125
F2	3000	3000	600	12@100	12@100	10@100	10@100

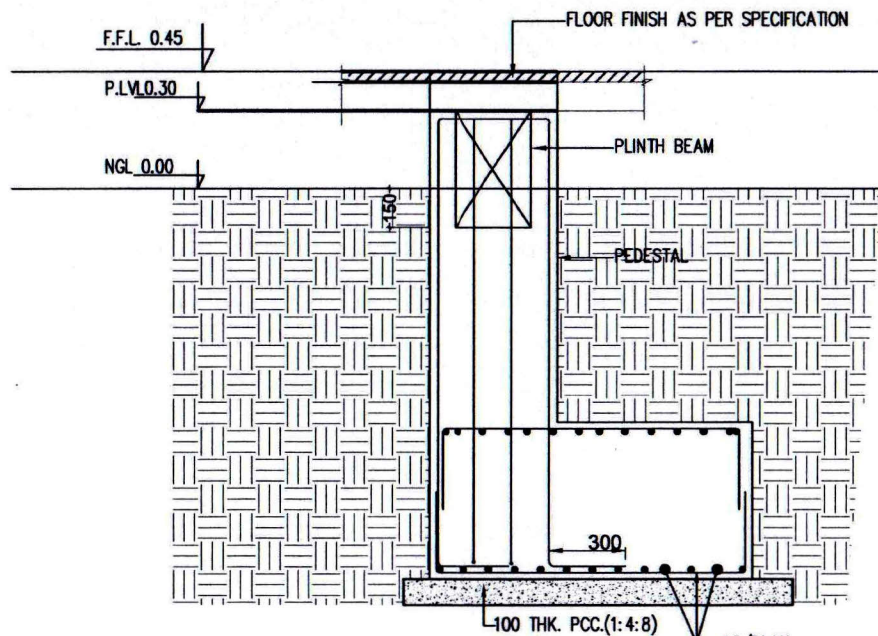
COMBINE FOTING SCHEDULE	
a	12T@150 C/C ALTH.(TOP&BOTT. BOTH SIDE)
b	10T@150C/C (EXT. AT BOTTOM)
c	12T@150 C/C (EXT. AT BOTTOM)



SS D-10



TYP. ISOLATED FOOTING SECTION-A-AS/DETAIL



TYP. COMBINE FOOTING SECTION B-B-AS/PLAN

NOTES

1. ALL DIMENSIONS ARE IN MM.
2. DO NOT SCALE. FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND STRUCTURAL DRGS.
4. REINFORCEMENT SHALL BE TMT BARS OF GRADE FE 500D AND FE 500 FOR SHEAR R/F CONFORMING TO IS.1786-2008.
5. CONG. MKX SHALL BE:
 - (i) FOR PLINTH BEAM -M25
 - (ii) FOR ISOLATED FOOTING -M25
 - (iii) FOR GRADE SLAB -M25
 - (iv) FOR PEDESTAL -M25
6. ALL ISOLATED FOOTING SHALL BE PLACED W.R.T COLUMN AXIS.

Subject to the confirmation of structural consultant.

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-

Shri Ram College of Commerce



REVIEWED BY:-

APPROVED BY:-

STRUCTURE CONSULTANTS:-
PARAVENDRA SINGH & ASSOCIATES



HOUSE NO. 23, STREET NO. 10A,
MOLARBAND EXTN, BADARPUR
NEW DELHI-110044
PH. +91-8505974666, 9968429421

CONSULTANTS:-



DeArch
ENGINEERS

510 Best Business Park Netaji Subhash
Place New Delhi 110034.O:011 40108292
Email Id:-Team@DeArchengineers.com

PROJECT:-

Development of Porta Cabin G+1 at Shri Ram College of Commerce.

DRAWING TITLE:-

PORTA CABIN- FOOTING DETAIL

DRAWING No:- DEPL/SRCC/PC/ S02

DRAWN BY:-

SAJID

CHECKED BY:-

PARAVENDRA SINGH

SHEET SIZE

A3

SCALE

NTS

DATE

26.08.2022

REV.NO.

R0

NORTH



FOR TENDER
PURPOSE



ADVANCE COPY



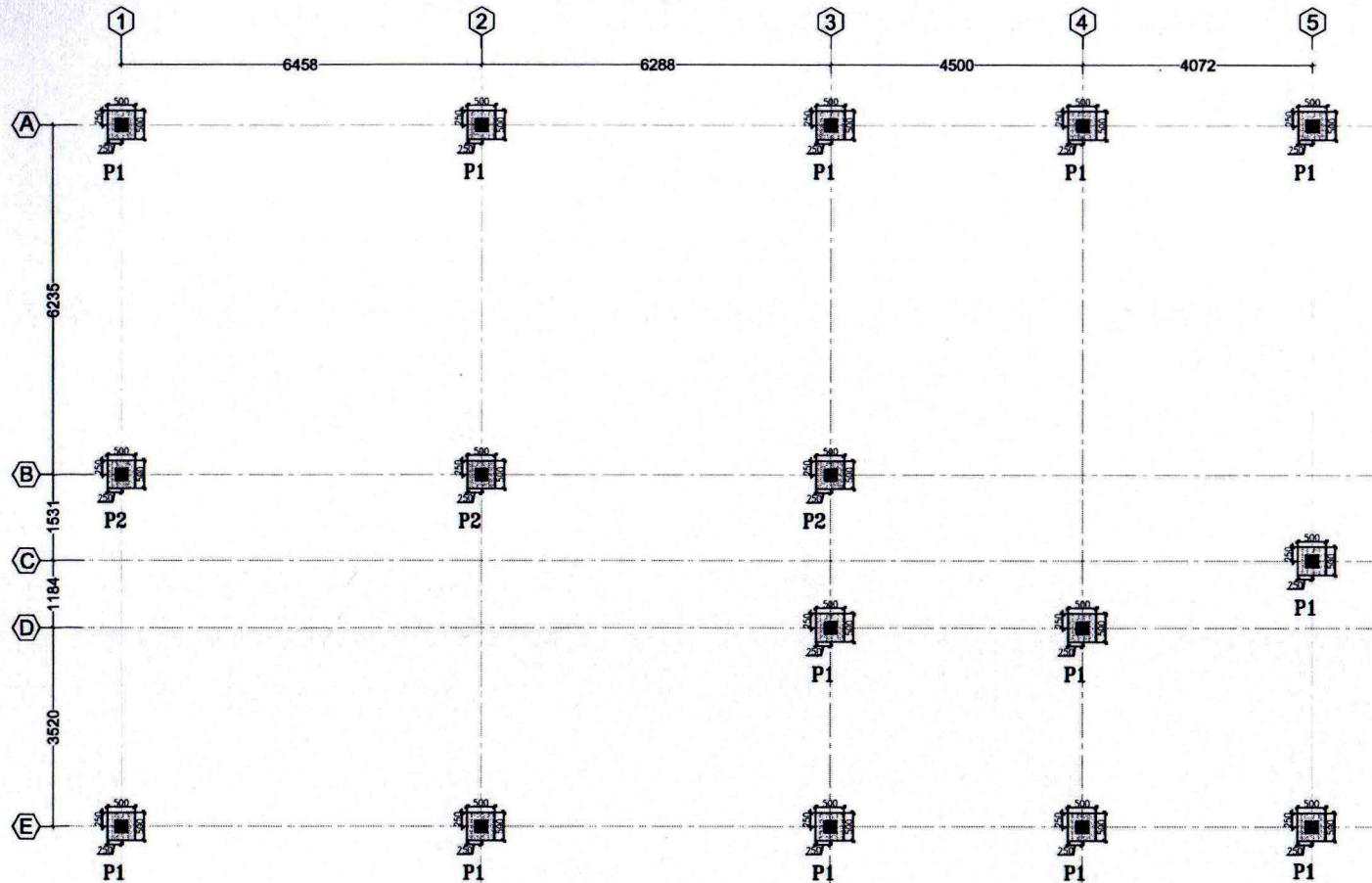
FOR
APPROVAL



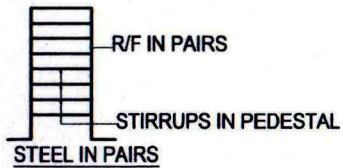
GOOD FOR
CONSTRUCTION



Handwritten signature and 'D-11'



PEDESTAL LAYOUT PLAN



PEDESTAL REINFORCEMENT DETAIL



	12-T16
	STIRRUPS T8@150C/C
	12-25
	STIRRUPS T8@150C/C

PEDESTAL REINFORCEMENT SCHEDULE

NOTES

- ALL DIMENSIONS ARE IN MM.
- DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND STRUCTURAL DRGS.
- REINFORCEMENT SHALL BE TMT BARS OF GRADE FE 500D AND FE 500 FOR SHEAR R/F CONFORMING TO I.S.1786-2008.
- CONC. MIX SHALL BE:
 - (i) FOR PLINTH BEAM -M25
 - (ii) FOR ISOLATED FOOTINGS -M25
 - (iii) FOR GRADE SLAB -M25
 - (iv) FOR PEDESTAL -M25
- ALL ISOLATED FOOTING SHALL BE PLACED W.R.T COLUMN AXIS.

Subject to the confirmation of structural consultant.

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-

Shri Ram College of Commerce



REVIEWED BY:-

APPROVED BY:-

STRUCTURE CONSULTANTS:-
PARAVENDRA SINGH & ASSOCIATES

HOUSE NO. 23, STREET NO. 10A,
MOLARBAND EXTN., BADARPUR
NEW DELHI-110044
PH. +91-8505974686, 9968429421

CONSULTANTS:-



510 Best Business Park Netaji Subhash
Place New Delhi 110034.O:011 40108292
Email Id:-Team@DeArchengineers.com

PROJECT:-

Development of Porta Cabin G+1 at Shri Ram College of Commerce.

DRAWING TITLE:-

PORTA CABIN- PEDESTAL LAYOUT AND DETAIL

DRAWING No:- DEPL/SRCC/PC/ S03

DRAWN BY:-

SAJID

CHECKED BY:-

PARAVENDRA SINGH

SHEET SIZE A3

SCALE NTS

DATE 26.08.2022

REV.NO.

R0

NORTH



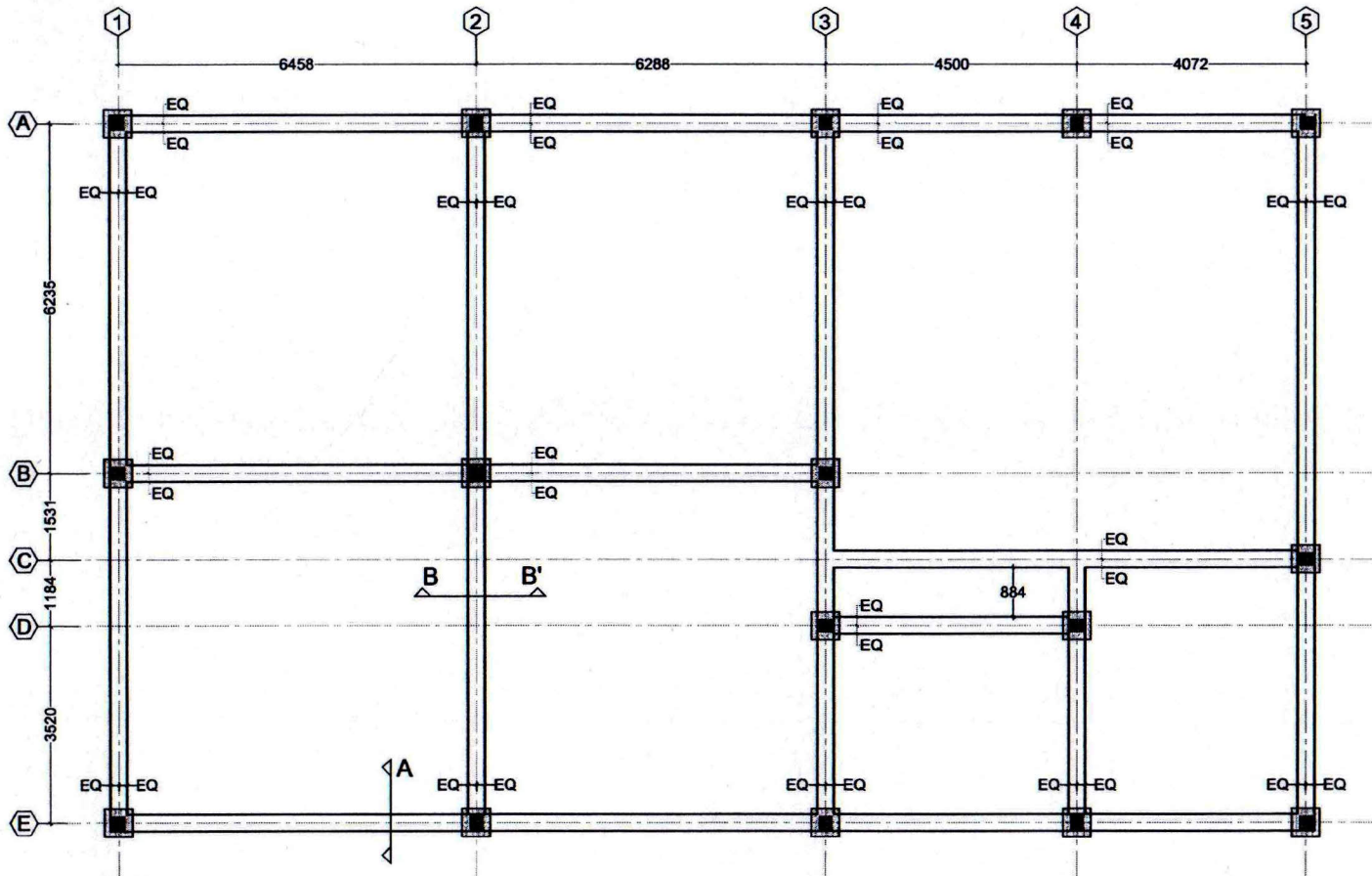
FOR TENDER PURPOSE

FOR APPROVAL

ADVANCE COPY

GOOD FOR CONSTRUCTION

Signature
D-12



GROUND FLOOR PLAN



NOTES

1. ALL DIMENSIONS ARE IN MM.
2. DO NOT SCALE. FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND STRUCTURAL DRGS.
4. REINFORCEMENT SHALL BE TMT BARS OF GRADE FE 500 AND FE 500 FOR SHEAR R/F CONFORMING TO I.S. 1786-2008.
5. CONC. MIX SHALL BE:
 - (i) FOR PLINTH BEAM -M25
 - (ii) FOR ISOLATED FOOTING -M25
 - (iii) FOR GRADE SLAB -M25
 - (iv) FOR PEDESTAL -M25
6. ALL ISOLATED FOOTING SHALL BE PLACED W.R.T COLUMN AXIS.

Subject to the confirmation of structural consultant.

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-

Shri Ram College of Commerce



REVIEWED BY:-

APPROVED BY:-

STRUCTURE CONSULTANTS:-
PARAVENDRA SINGH & ASSOCIATES

PS HOUSE NO. 23, STREET NO. 10A,
MOLARBAND EXTN., BADARPUR
NEW DELHI-110044
PH. +91-8505974666, 9968429421

CONSULTANTS:-



DeArch
ENGINEERS

510 Best Business Park Netaji Subhash
Place New Delhi 110034. O:011 40108292
Email Id:-Team@DeArchengineers.com

PROJECT:-

Development of Porta Cabin G+1 at Shri Ram College of Commerce.

DRAWING TITLE:-

PORTA CABIN- PLINTH FRAMING

DRAWING No:- DEPL/SRCC/PC/ S05

DRAWN BY:-

SAJID

CHECKED BY:-

PARAVENDRA SINGH

SHEET SIZE

SCALE

DATE

A3

NTS

26.08.2022

REV. NO.

R0

NORTH



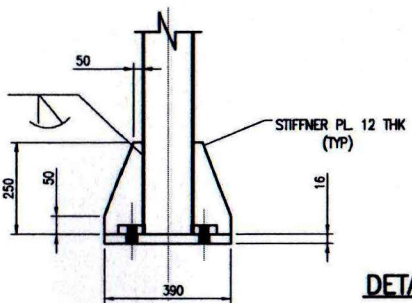
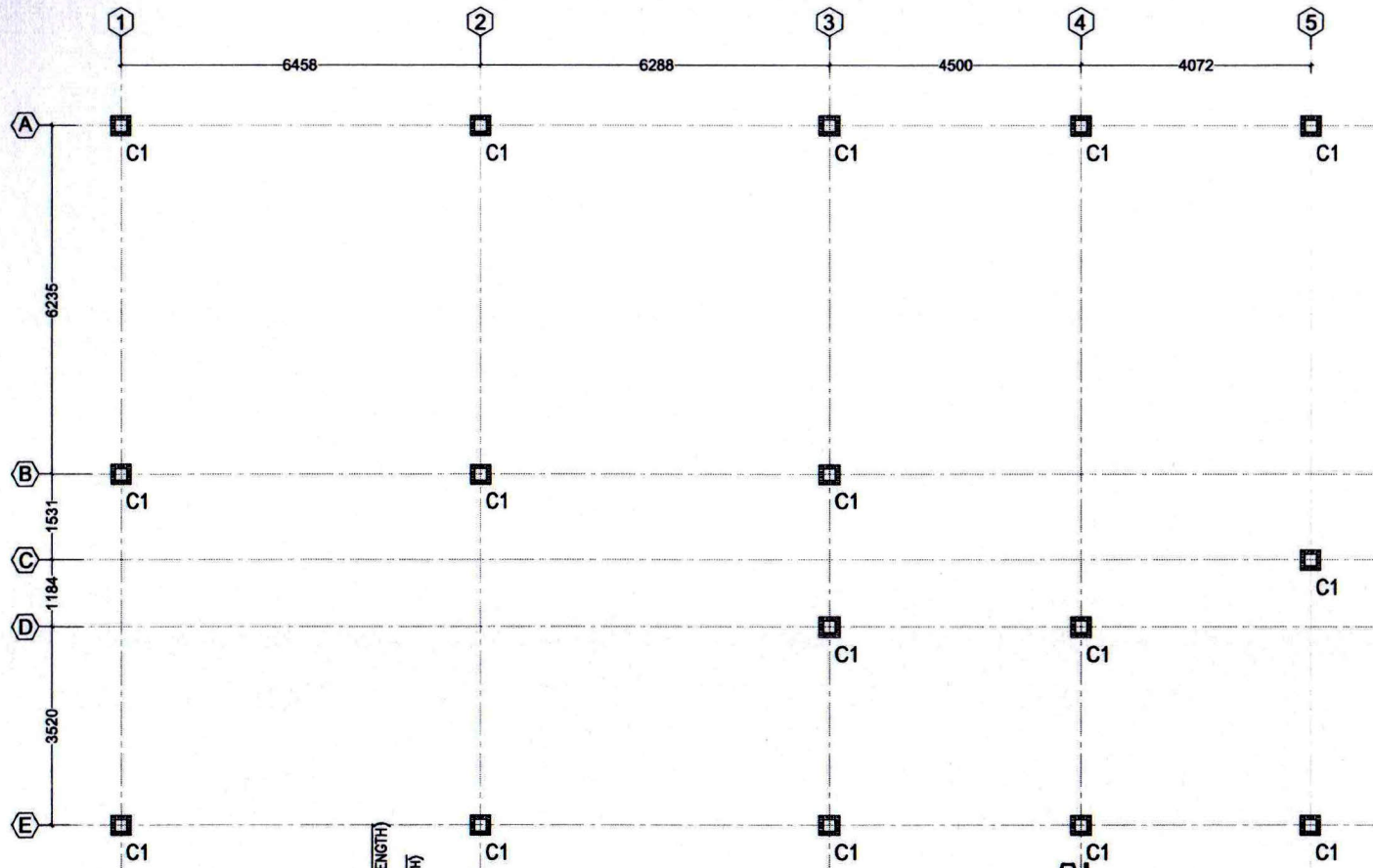
FOR TENDER PURPOSE

FOR APPROVAL

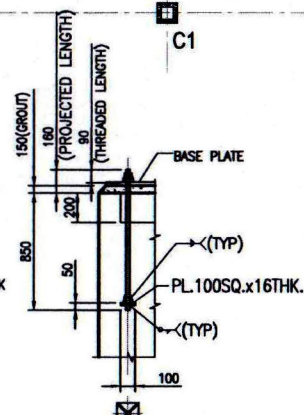
ADVANCE COPY

GOOD FOR CONSTRUCTION

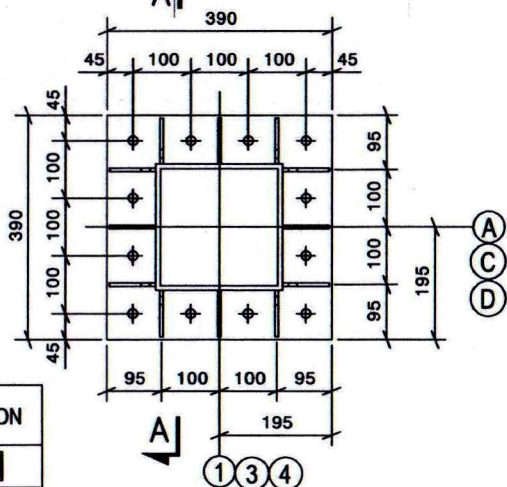
SAJID D-13



VIEW A-A
SCALE 1:20



DETAIL OF M20 BOLT
(8-NOS)
(SCALE 1:25)



MARK	SIZE	SECTION
C1	SHS 220X220X8	

- NOTES**
- ALL DIMENSIONS ARE IN MM.
 - DO NOT SCALE. FOLLOW WRITTEN DIMENSION ONLY.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND STRUCTURAL DRGS.
 - REINFORCEMENT SHALL BE TMT BARS OF GRADE FE 500D AND FE 500 FOR SHEAR R/F CONFORMING TO I.S.1786-2008.
 - CONC. MIX SHALL BE:
 - FOR PLINTH BEAM -M25
 - FOR ISOLATED FOOTING -M25
 - FOR GRADE SLAB -M25
 - FOR PEDESTAL -M25
 - ALL ISOLATED FOOTING SHALL BE PLACED W.R.T COLUMN AXIS.
- Subject to the confirmation of structural consultant.

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-
Shri Ram College of Commerce

REVIEWED BY:- APPROVED BY:-

STRUCTURE CONSULTANTS:-
PARAVENDRA SINGH & ASSOCIATES

HOUSE NO. 23, STREET NO. 10A,
MOLARBAND EXTN., BADARPUR
NEW DELHI-110044
PH. +91-8505974666, 9968429421

CONSULTANTS:-
DeArch ENGINEERS

510 Best Business Park Netaji Subhash Place New Delhi 110034.O:011 40108292
Email Id:-Team@DeArchengineers.com

PROJECT:-
Development of Porta Cabin G+1 at Shri Ram College of Commerce.

DRAWING TITLE:-
PORTA CABIN- GROUND FLOOR COLUMN LAYOUT AND DETAIL

DRAWING No:- DEPL/SRCC/PC/ S06

DRAWN BY:- CHECKED BY:-
SAJID PARAVENDRA SINGH

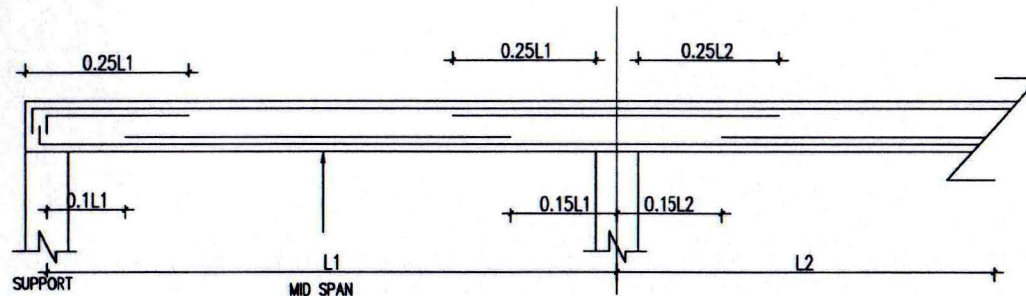
SHEET SIZE A3
SCALE NTS
DATE 26.08.2022

REV.NO. R0
NORTH

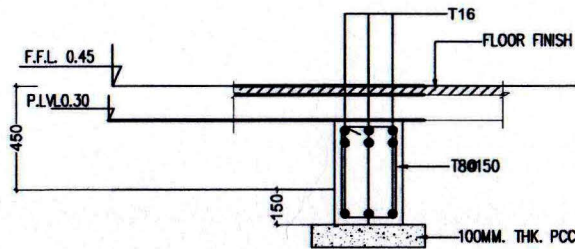
FOR TENDER PURPOSE
 FOR APPROVAL

ADVANCE COPY
 GOOD FOR CONSTRUCTION

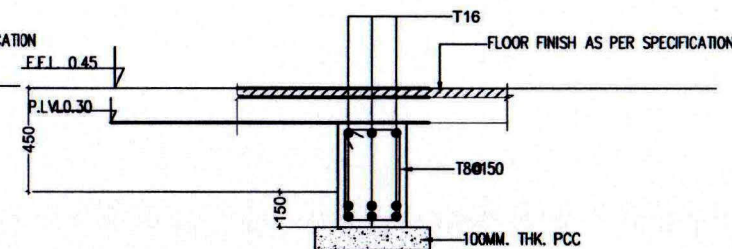
Handwritten signature and D-14



TYP. BEAM REINFORCEMENT DETAIL



SECTION AA' AT SUPPORT
BEAM SIZE 300X450



SECTION BB' AT MID SPANS
BEAM SIZE 300X450



NOTES

1. ALL DIMENSIONS ARE IN MM.
2. DO NOT SCALE. FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND STRUCTURAL DRGS.
4. REINFORCEMENT SHALL BE TMT BARS OF GRADE FE 500 AND FE 500 FOR SHEAR RIF CONFORMING TO I.S. 1786-2008.
5. CONC. MIX SHALL BE:
 - (i) FOR PLINTH BEAM -M25
 - (ii) FOR ISOLATED FOOTING -M25
 - (iii) FOR GRADE SLAB -M25
 - (iv) FOR PEDESTAL -M25
6. ALL ISOLATED FOOTING SHALL BE PLACED W.R.T COLUMN AXIS.

Subject to the confirmation of structural consultant.

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-

Shri Ram College of Commerce



REVIEWED BY:-

APPROVED BY:-

STRUCTURE CONSULTANTS:-
PARAVENDRA SINGH & ASSOCIATES



HOUSE NO. 23, STREET NO. 10A,
MOLARBAND EXTN., BADARPUR
NEW DELHI-110044
PH. +91-8505974666, 9968429421

CONSULTANTS:-



DeArch
ENGINEERS

510 Best Business Park Netaji Subhash
Place New Delhi 110034.O:011 40108292
Email Id:-Team@DeArchengineers.com

PROJECT:-

Development of Porta Cabin G+1 at Shri Ram College of Commerce.

DRAWING TITLE:-

PORTA CABIN- PLINTH DETAILS

DRAWING No:- DEPL/SRCC/PC/ S06

DRAWN BY:-

SAJID

CHECKED BY:-

PARAVENDRA SINGH

SHEET SIZE

A3
SCALE
DATE

REV.NO.

NTS
26.08.2022
R0

NORTH



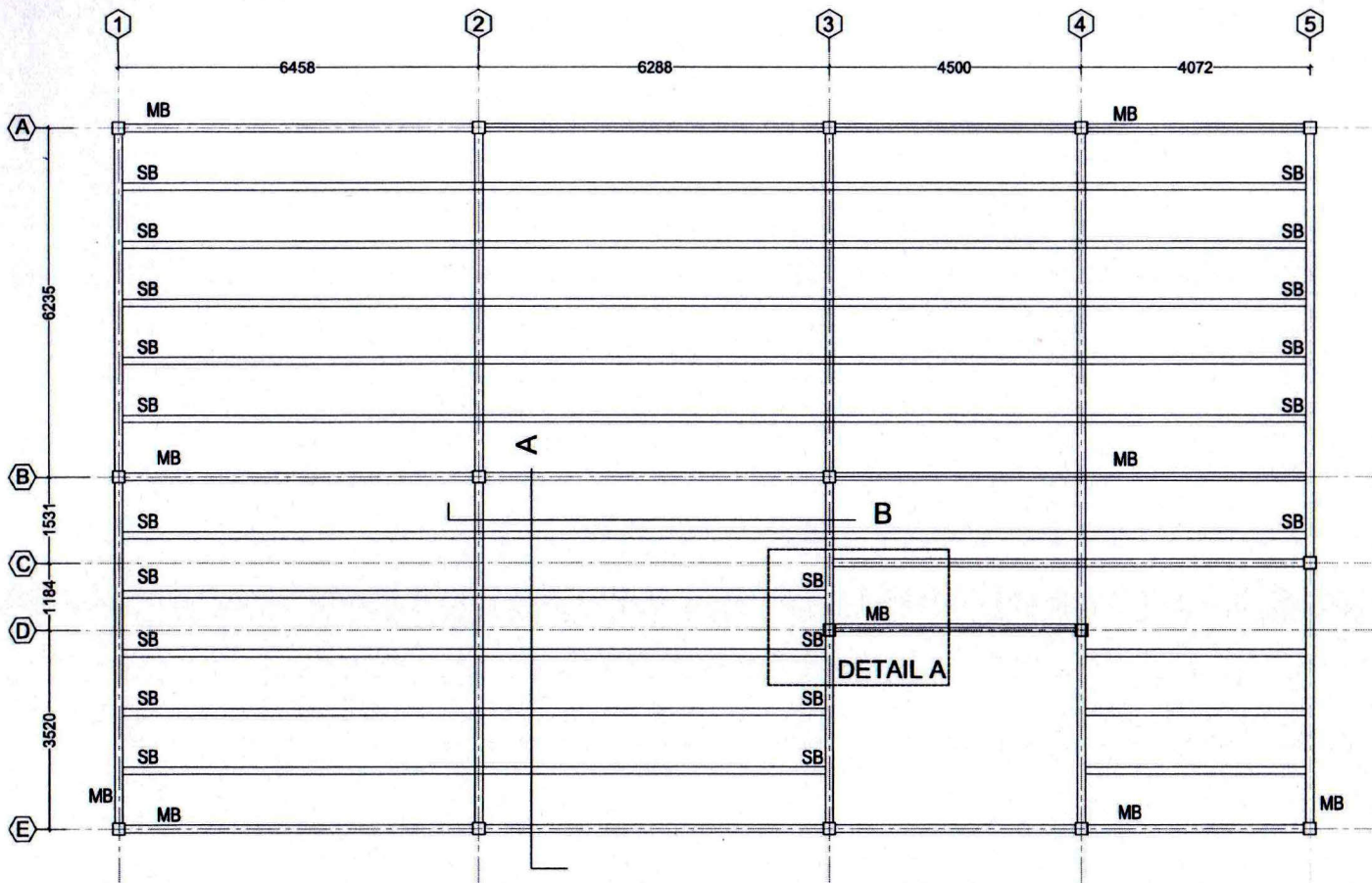
FOR TENDER PURPOSE

FOR APPROVAL

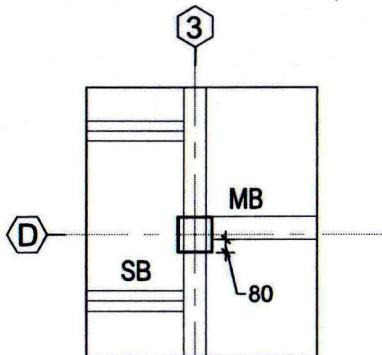
ADVANCE COPY

GOOD FOR CONSTRUCTION

82A P-15



FIRST FLOOR PLAN



DETAIL A (BEAM TO BE FLUSHED WITH COLUMN EDGE)



NOTES

1. ALL DIMENSIONS ARE IN MM.
2. DO NOT SCALE. FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND STRUCTURAL DRGS.
4. REINFORCEMENT SHALL BE TMT BARS OF GRADE FE 500D AND FE 500 FOR SHEAR R/F CONFORMING TO I.S. 1786-2008.
5. CONC. MIX SHALL BE:
 - (i) FOR PLINTH BEAM -M25
 - (ii) FOR ISOLATED FOOTING -M25
 - (iii) FOR GRADE SLAB -M25
 - (iv) FOR PEDESTAL -M25
6. ALL ISOLATED FOOTING SHALL BE PLACED W.R.T COLUMN AXIS.

Subject to the confirmation of structural consultant.

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-

Shri Ram College of Commerce



REVIEWED BY:-

APPROVED BY:-

STRUCTURE CONSULTANTS:-
PARAVENDRA SINGH & ASSOCIATES



HOUSE NO. 23, STREET NO. 10A,
MOLARBAND EXTN., BADARPUR
NEW DELHI-110044
PH. +91-8505974686, 9968429421

CONSULTANTS:-



DeArch
ENGINEERS

510 Best Business Park Netaji Subhash
Place New Delhi 110034. O:011 40108292
Email Id:-Team@DeArchengineers.com

PROJECT:-

Development of Porta Cabin G+1 at Shri Ram College of Commerce.

DRAWING TITLE:-

PORTA CABIN- FIRST FLOOR FRAMING PLAN

DRAWING No:- DEPL/SRCC/PC/ S07

DRAWN BY:-

SAJD

CHECKED BY:-

PARAVENDRA SINGH

SHEETSIZE

A3

SCALE

NTS

DATE

26.08.2022

REV.NO.

R0

NORTH



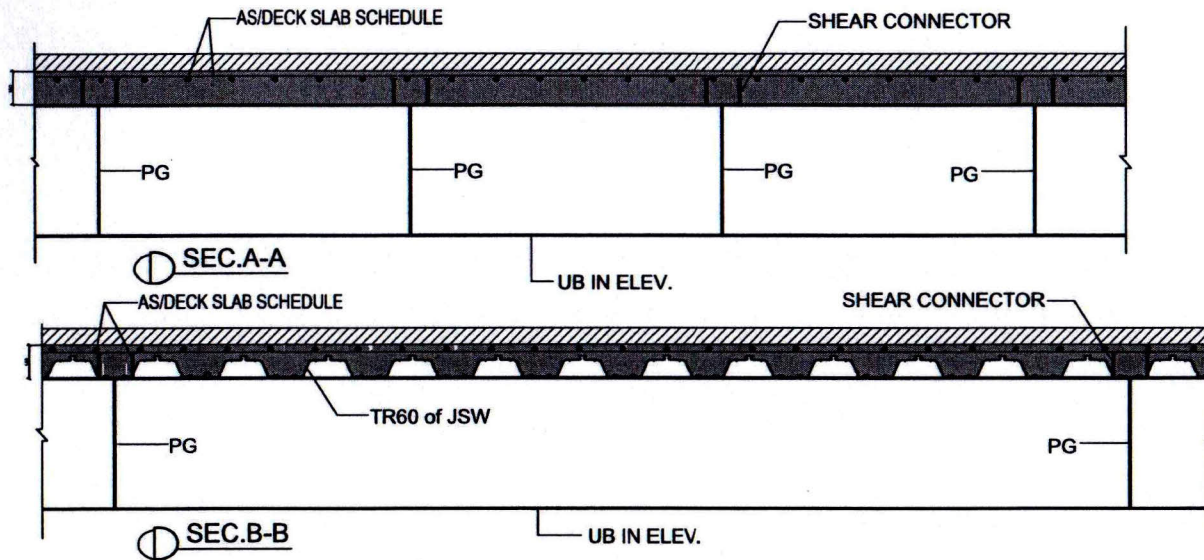
FOR TENDER PURPOSE

ADVANCE COPY

FOR APPROVAL

GOOD FOR CONSTRUCTION

SS J D-16



MARK	
MB	ISMB 300
SB	ISMB 250



COMPOSITE STEEL DECK SCHEDULE

SLAB MARK	TOTAL SLAB THICKNESS	STEEL DECK (MIN)	GRADE OF CONCRETE	SLAB BOTTOM REINFORCEMENT	SLAB TOP MAIN REINFORCEMENT	SLAB DISTRIBUTION REINFORCEMENT	PROPPING
S1	190mm THK.	TR60 1.0mm THICK	M-30	T16-125	T8-125	T 8-200	2 NOS. PROP REQ.

- NOTES**
- ALL DIMENSIONS ARE IN MM.
 - DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND STRUCTURAL DRGS.
 - REINFORCEMENT SHALL BE TMT BARS OF GRADE FE 500D AND FE 500 FOR SHEAR RIF CONFORMING TO I.S. 1786-2006.
 - CONC. MIX SHALL BE:
 - (i) FOR PLINTH BEAM -M25
 - (ii) FOR ISOLATED FOOTING -M25
 - (iii) FOR GRADE SLAB -M25
 - (iv) FOR PEDESTAL -M25
 - ALL ISOLATED FOOTING SHALL BE PLACED W.R.T COLUMN AXIS.
- Subject to the confirmation of structural consultant.

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-

Shri Ram College of Commerce

REVIEWED BY:- _____ APPROVED BY:- _____

STRUCTURE CONSULTANTS:-
PARAVENDRA SINGH & ASSOCIATES
 HOUSE NO. 23 , STREET NO. 10A,
 MOLARBAND EXTN., BADARPUR
 NEW DELHI-110044
 PH. +91-8505974666, 9968429421

CONSULTANTS:-

DeArch ENGINEERS

510 Best Business Park Netaji Subhash Place New Delhi 110034.O:011 40108292
 Email Id:-Team@DeArchengineers.com

PROJECT:-
 Development of Porta Cabin G+1 at Shri Ram College of Commerce.

DRAWING TITLE:-
 PORTA CABIN- FIRST FLOOR FRAMING PLAN DETAILS

DRAWING No:- DEPL/SRCC/PC/ S08

DRAWN BY:- SAJID CHECKED BY:- PARAVENDRA SINGH

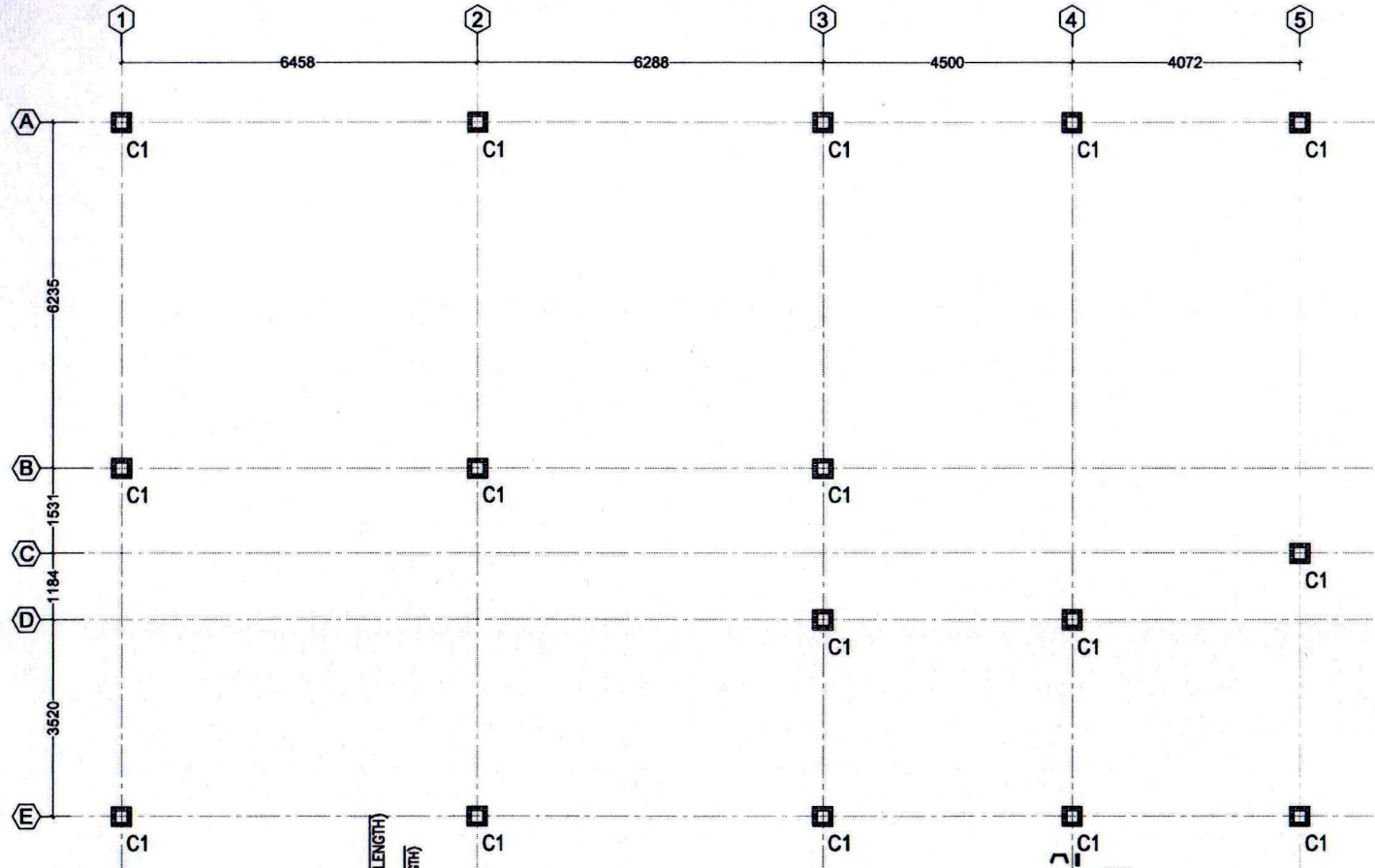
SHEETSIZE A3 SCALE NTS DATE 26.08.2022

REV.NO. R0 NORTH

FOR TENDER PURPOSE ADVANCE COPY

FOR APPROVAL GOOD FOR CONSTRUCTION

SS & D-17



- NOTES**
1. ALL DIMENSIONS ARE IN MM.
 2. DO NOT SCALE. FOLLOW WRITTEN DIMENSION ONLY.
 3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND STRUCTURAL DRGS.
 4. REINFORCEMENT SHALL BE TMT BARS OF GRADE FE 500D AND FE 500 FOR SHEAR RIF CONFORMING TO I.S. 1786-2006.
 5. CONC. MIX SHALL BE:
 - (i) FOR PLINTH BEAM -M25
 - (ii) FOR ISOLATED FOOTING -M25
 - (iii) FOR GRADE SLAB -M25
 - (iv) FOR PEDESTAL -M25
 6. ALL ISOLATED FOOTING SHALL BE PLACED W.R.T COLUMN AXIS.
- Subject to the confirmation of structural consultant.

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-
Shri Ram College of Commerce



REVIEWED BY:- **APPROVED BY:-**

STRUCTURE CONSULTANTS:-
PARAVENDRA SINGH & ASSOCIATES

HOUSE NO. 23, STREET NO. 10A,
MOLARBAND EXTN., BADARPUR
NEW DELHI-110044
PH. +91-8505974666, 9968429421

CONSULTANTS:-



510 Best Business Park Netaji Subhash
Place New Delhi 110034. O:011 40108292
Email Id:-Team@DeArchengineers.com

PROJECT:-
Development of Porta Cabin G+1 at Shri Ram College of Commerce.

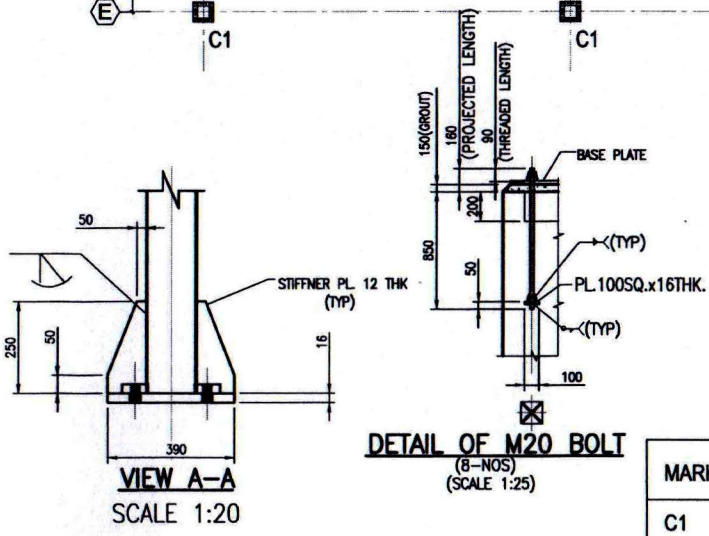
DRAWING TITLE:-
PORTA CABIN- FIRST FLOOR COLUMN LAYOUT AND DETAIL

DRAWING No.:- DEPL/SRCC/PC/ S09

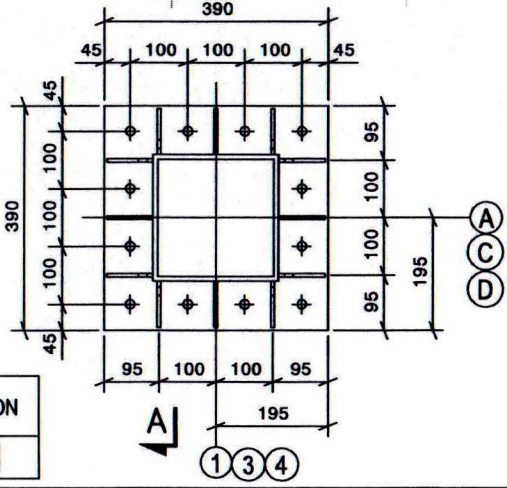
DRAWN BY:- SAJID **CHECKED BY:-** PARAVENDRA SINGH

SHEET SIZE	A3	REV. NO.	R0	NORTH	
SCALE	NTS				
DATE	26.08.2022				

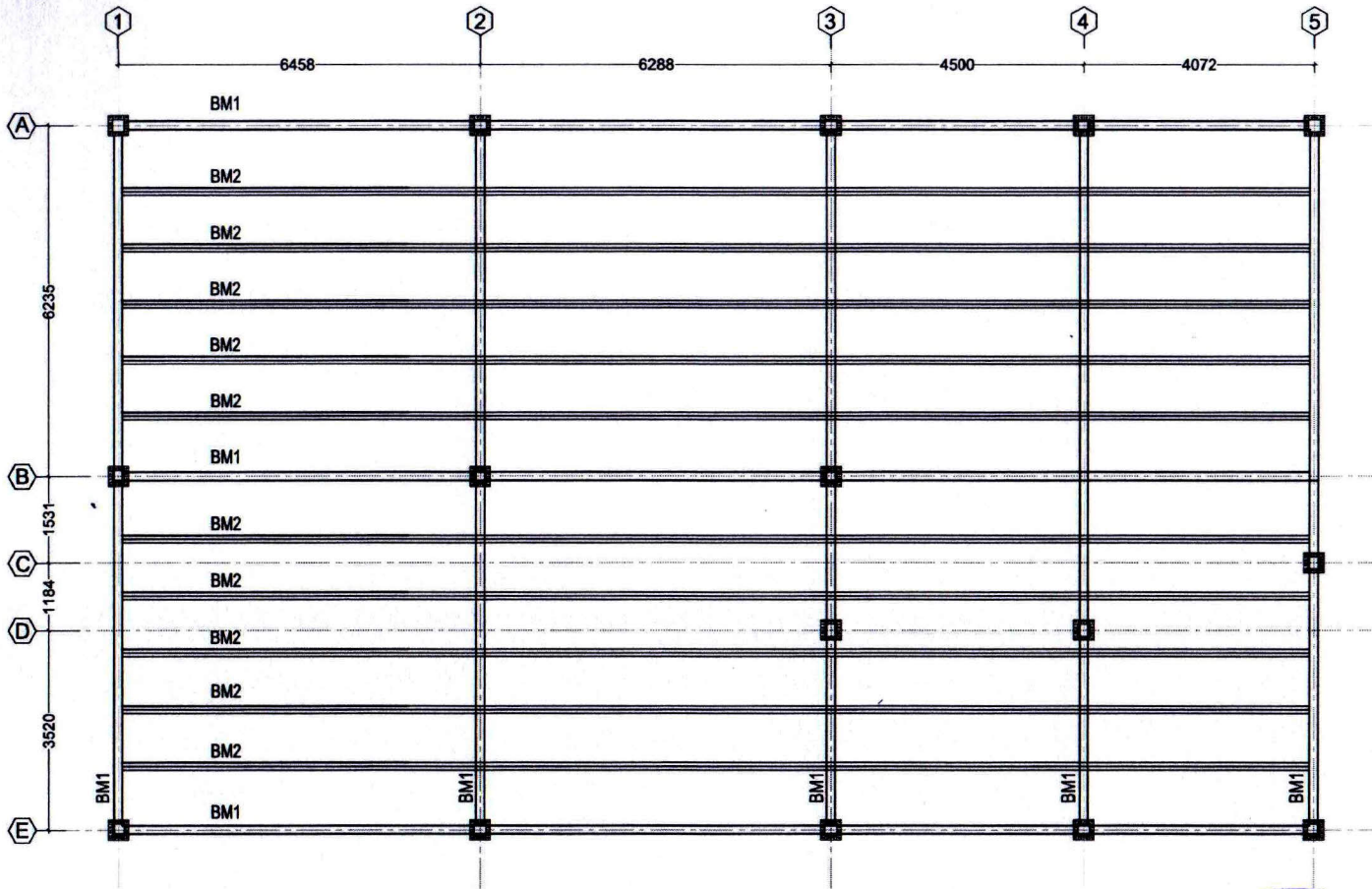
<input checked="" type="checkbox"/> FOR TENDER PURPOSE	<input type="checkbox"/> ADVANCE COPY
<input type="checkbox"/> FOR APPROVAL	<input type="checkbox"/> GOOD FOR CONSTRUCTION



MARK	SIZE	SECTION
C1	SHS 220X220X8	



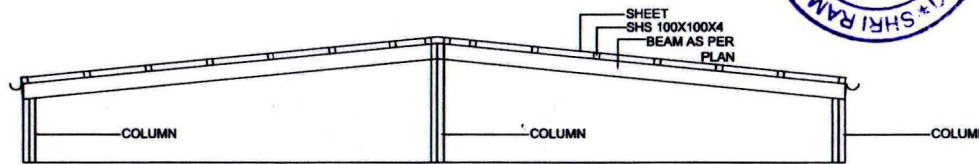
SAJID **D-18**



FRMING PLAN
7050LVL.

BEAM SCHEDULE

MARK	
BM1	ISMB 250
BM2	SHS 100X100X4



ELEVATION



- NOTES
1. ALL DIMENSIONS ARE IN MM.
 2. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY.
 3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND STRUCTURAL DRGS.
 4. REINFORCEMENT SHALL BE TMT BARS OF GRADE FE 500D AND FE 500 FOR SHEAR R/F CONFORMING TO I.S.1786-2006.
 5. CONC. MIX SHALL BE:
 - (i) FOR PLINTH BEAM -M25
 - (ii) FOR ISOLATED FOOTING -M25
 - (iii) FOR GRADE SLAB -M25
 - (iv) FOR PEDESTAL -M25
 6. ALL ISOLATED FOOTING SHALL BE PLACED W.R.T COLUMN AXIS.
- Subject to the confirmation of structural consultant.

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:-
Shri Ram College of Commerce

REVIEWED BY:- APPROVED BY:-

STRUCTURE CONSULTANTS:-
PARAVENDRA SINGH & ASSOCIATES

HOUSE NO. 23, STREET NO. 10A,
MOLARBAND EXTN., BADARPUR
NEW DELHI-110044
PH. +91-8505974666, 9968429421

CONSULTANTS:-

DeArch ENGINEERS

510 Best Business Park Netaji Subhash
Place New Delhi 110034. O:011 40108292
Email Id:-Team@DeArchengineers.com

PROJECT:-
Development of Porta Cabin G+1 at Shri Ram College of Commerce.

DRAWING TITLE:-
PORTA CABIN- ROOF FRAMING AND DETAIL

DRAWING No:- DEPL/SRCC/PC/ S09

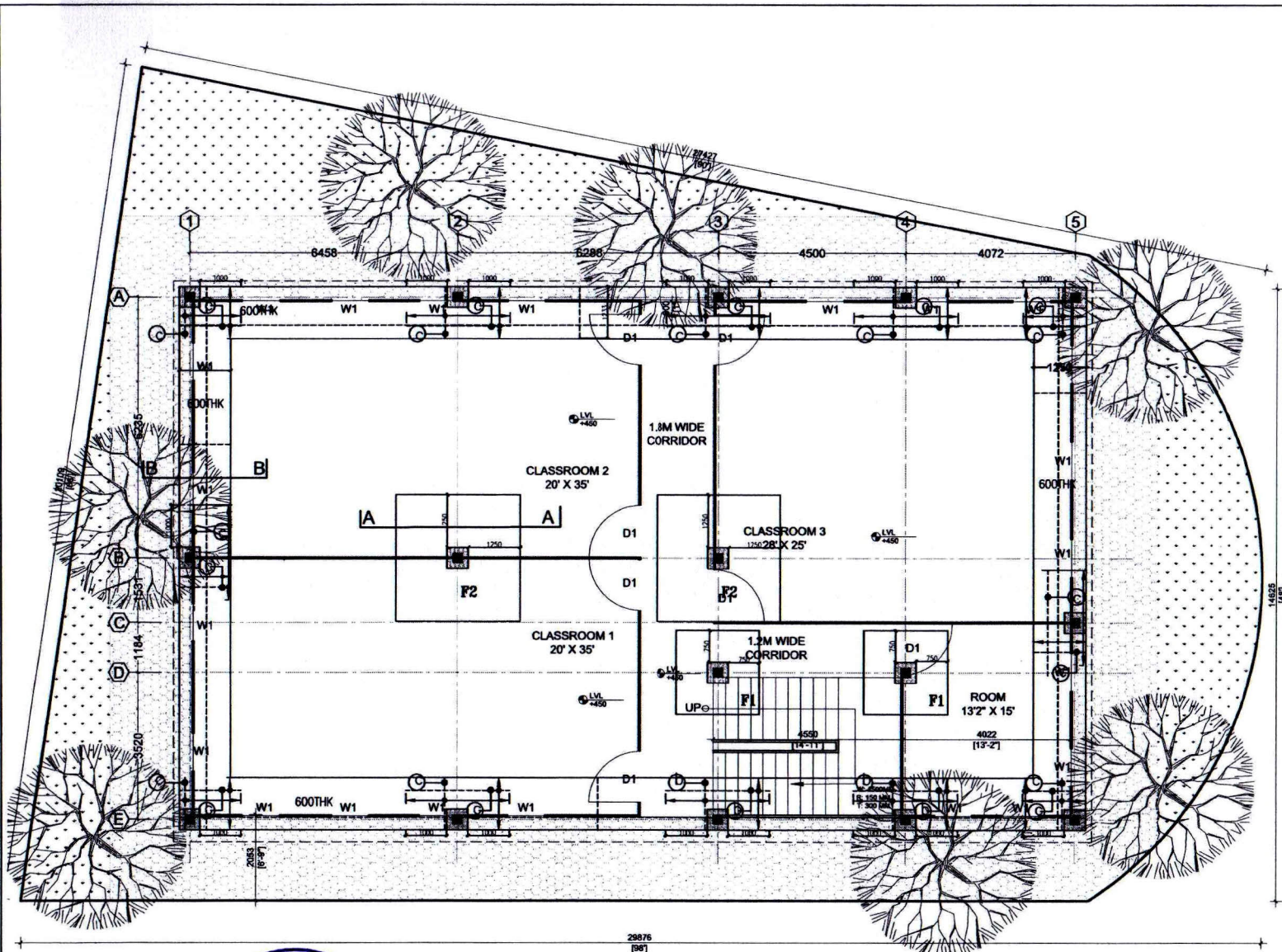
DRAWN BY:- SAJID CHECKED BY:- PARAVENDRA SINGH

SHEET SIZE A3 SCALE NTS DATE 26.06.2022 REV.NO. R0 NORTH

FOR TENDER PURPOSE ADVANCE COPY

FOR APPROVAL GOOD FOR CONSTRUCTION

Signature and D-19




SITE PLAN

- NOTES**
1. ALL DIMENSIONS ARE IN MM.
 2. DO NOT SCALE. FOLLOW WRITTEN DIMENSION ONLY.
 3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND STRUCTURAL DRGS.
 4. REINFORCEMENT SHALL BE TMT BARS OF GRADE FE 500D AND FE 500 FOR SHEAR R/F CONFORMING TO IS.1786-2008.
 5. CONC. MIX SHALL BE:
 - (i) FOR PLINTH BEAM -M25
 - (ii) FOR ISOLATED FOOTING -M25
 - (iii) FOR GRADE SLAB -M25
 - (iv) FOR PEDESTAL -M25
 6. ALL ISOLATED FOOTING SHALL BE PLACED W.R.T COLUMN AXES.
- Subject to the confirmation of structural consultant.

REV	DATE	REVISION NOTE

REVISION INDEX

CLIENT:- 

Shri Ram College of Commerce

REVIEWED BY:- _____ APPROVED BY:- _____

STRUCTURE CONSULTANTS:-
PARAVENDRA SINGH & ASSOCIATES
 HOUSE NO. 23, STREET NO. 10A,
 MOLARBAND EXTN., BADARPUR
 NEW DELHI-110044
 PH. +91-8505974666, 9968429421

CONSULTANTS:-

 **DeArch ENGINEERS**

510 Best Business Park Netaji Subhash
 Place New Delhi 110034. O:011 40108292
 Email Id:-Team@DeArchengineers.com

PROJECT:-
 Development of Porta Cabin G+1 at Shri Ram College of Commerce.


DRAWING TITLE:-
 PORTA CABIN- SITE PLAN WITH FOUNDATION LAYOUT

DRAWING No:- DEPL/SRCC/PC/ S09

DRAWN BY:- SAJID CHECKED BY:- PARAVENDRA SINGH

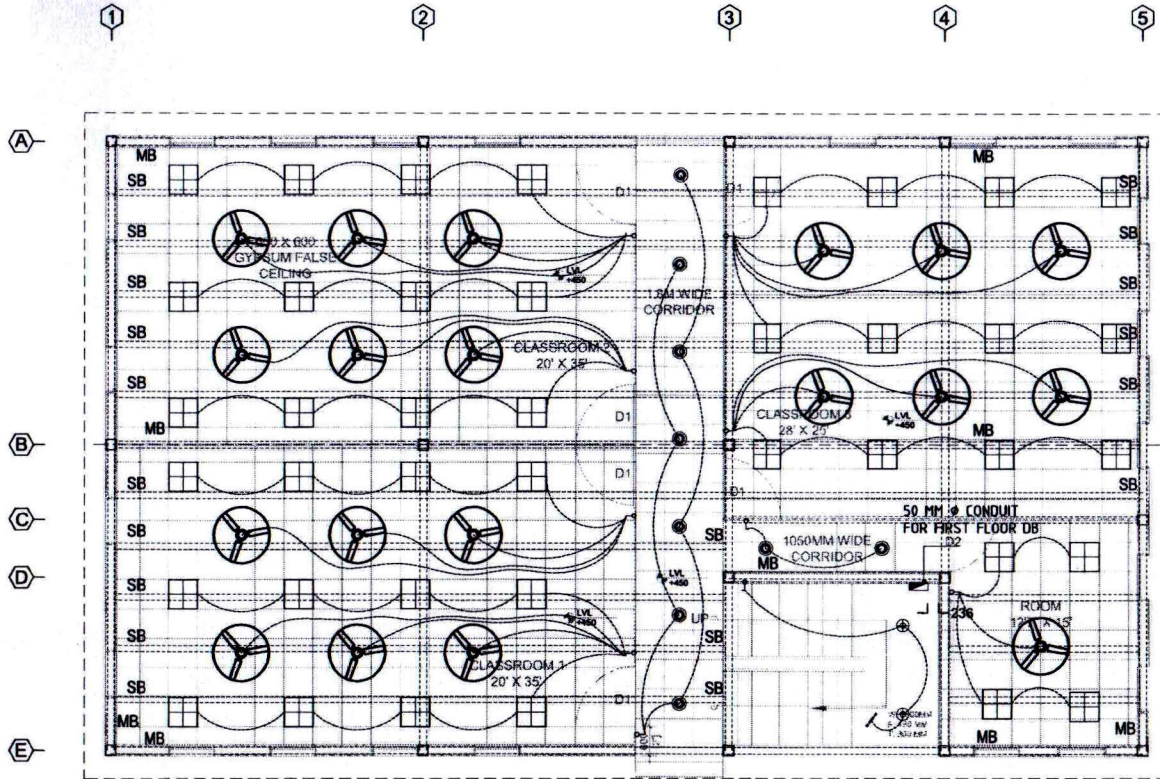
SHEET SIZE: A3
 SCALE: NTS
 DATE: 26.08.2022

REV. NO. R0

NORTH 

<input checked="" type="checkbox"/> FOR TENDER PURPOSE	<input type="checkbox"/> ADVANCE COPY
<input type="checkbox"/> FOR APPROVAL	<input type="checkbox"/> GOOD FOR CONSTRUCTION

SAJID D-20



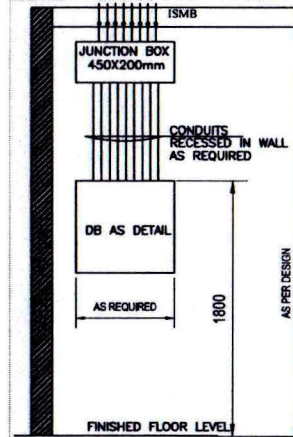
GROUND FLOOR
REFLECTED CEILING PLAN

LEGENDS :-

- 01. 12 W RECESSED TYPE
- 02. 10 W SURFACE TYPE
- 03. RECESSED TYPE 2' x 2' PANEL LIGHT WITH 36 W LED LAMP
- 04. 1200 MM SWEEP CEILING FAN
- 05. 6A ONE WAY SWITCH @1050 FROM FFL(6" AWAY FROM THE DOOR)
- 06. 6A TWO WAY SWITCH @1050 FROM FFL(6" AWAY FROM THE DOOR)
- 07. 6A TWO WAY SWITCH @1050 FROM FFL(6" AWAY FROM THE DOOR)

SCHEDULE OF WIRES DRAWN IN CONDUITS											
S.NO.	X-SECTION OF WIRE IN SQ. MM	20MM DIA		25MM DIA		32MM DIA		40MM DIA		50MM DIA	
		S	B	S	B	S	B	S	B	S	B
1.	1.5	5	4	10	8	18	12	-	-	-	-
2.	2.5	5	3	8	6	12	10	-	-	-	-
3.	4.0	3	2	6	5	10	8	-	-	-	-
4.	6.0	2	-	5	4	8	7	-	-	-	-
5.	10.0	2	-	4	3	6	5	8	6	-	-
6.	16.0	-	-	2	2	3	3	6	5	10	7
7.	25.0	-	-	-	-	3	2	5	3	8	6
8.	35.0	-	-	-	-	-	-	3	2	6	5
9.	50.0	-	-	-	-	-	-	-	-	5	3
10.	70.0	-	-	-	-	-	-	-	-	4	3

NOTE: 'S' IS APPLICABLE WHEN CONDUIT IS INCLINED LESS THAN 15DEG. FROM STRAIN AND 'B' IS APPLICABLE WHEN CONDUIT IS INCLINED MORE THAN 15DEG. FROM STRAIN



- NOTE:-**
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL STRUCTURAL AND ELECTRICAL DRAWING.
 - A MAXIMUM 2 CKTS. OF SAME PHASE SHALL BE LAID IN 25mm ϕ CONDUIT.
 - MINIMUM SIZE OF CONDUIT SHALL BE 25mm ϕ .
 - ALL CONDUIT SHALL BE OF PVC
 - MOUNTING HEIGHTS OF SWITCHES, SOCKETS & LIGHT FITTINGS SHALL BE AS/LEVELS GIVEN IN LEGEND
 - ALL SWITCHES & SOCKETS SHALL BE MODULAR TYPE ALL BOX SHALL BE OF GALVANISED M.S.
 - SHOP / AS-BUILT DRAWINGS SHALL BE PREPARED BY CONTRACTOR.
 - WIRING SHALL BE CARRIED OUT WITH FOLLOWING SIZE OF STRANDED /MULTI STRANDED COPPER CONDUCTOR PVC INSULATED 650/110KV GRADE CABLE/WIRES.
 - i. LIGHT POINT - 1.5sq.mm.
 - ii. CIRCUIT WIRING (FOR LIGHT POINT) - 2.5sq.mm.
 - iii. POWER PLUG POINT (FIRST POINT) - 4.0sq.mm.
 - iv. POWER PLUG POINT (SECOND POINT) - 2.5sq.mm.
 - v. EARTH WIRE SHALL BE
 - a) FOR LIGHTING CIRCUIT - 1.5sq.mm. (INSULATED)
 - b) FOR POWER CIRCUIT - 2.5sq.mm. (INSULATED)
- R/L/L
- SECOND LETTER INDICATE FOR NOS. OF CIRCUIT
FIRST LETTER INDICATE FOR COLOR OF PHASE

- NOTES-
- All dimensions are in Millimeters, unless otherwise noted. Do not scale drawing, only written dimensions to be followed.
 - In case of discrepancy in drawing the same may be notified to DEPL before commencing work at site.
 - All structural / services drawings to be read in conjunction with Architectural Drawings.
 - The details in all the drawings to be read, properly, understood and executed by competent qualified engineering personnel, trained in construction activities of such nature and magnitude. He/ she should possess adequate knowledge of Good engineering practices, relevant codes & standards for the area of concern.
 - This document should not be used in circumstances other than for those for which it was originally prepared and for which DeArch Engineers Pvt. Ltd. was commissioned.
 - DEPL cannot be held responsible for errors/ lapses during execution as a consequence of improper, inadequate or incompetent study of the drawings.
 - Refer door and window schedule drawing for opening we have marked included hinge dimension with opening dimension in the drawing

REV. DATE REVISION NOTE
REVISION INDEX

CLIENT:-
Shri Ram College of Commerce



REVIEWED BY:- APPROVED BY:-

CONSULTANTS:-
dcs
ELECTRICAL CONSULTANT
LG-61, ANSAL FORTUNE ARCADE,
SECTOR - 18, NOIDA - 201301

CONSULTANTS:-
DeArch ENGINEERS

510 Best Business Park Netaji Subhash
Place New Delhi 110034.O:011 40108292
Email Id:-Team@DeArchengineers.com

PROJECT:-
Development of Porta Cabin G+1 at Shri Ram College of Commerce.

DRAWING TITLE:-
PORTA CABIN-GROUND FLOOR LIGHTING LAYOUT

DRAWING No:- DEPL/SRCC/PC/ E01

DRAWN BY:- RAVI
CHECKED BY:- ANIL

SHEET SIZE A3
SCALE 1:100
DATE 30.08.2022

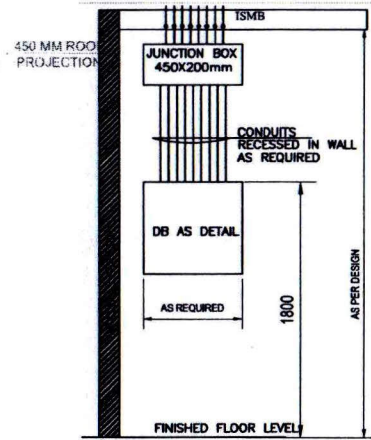
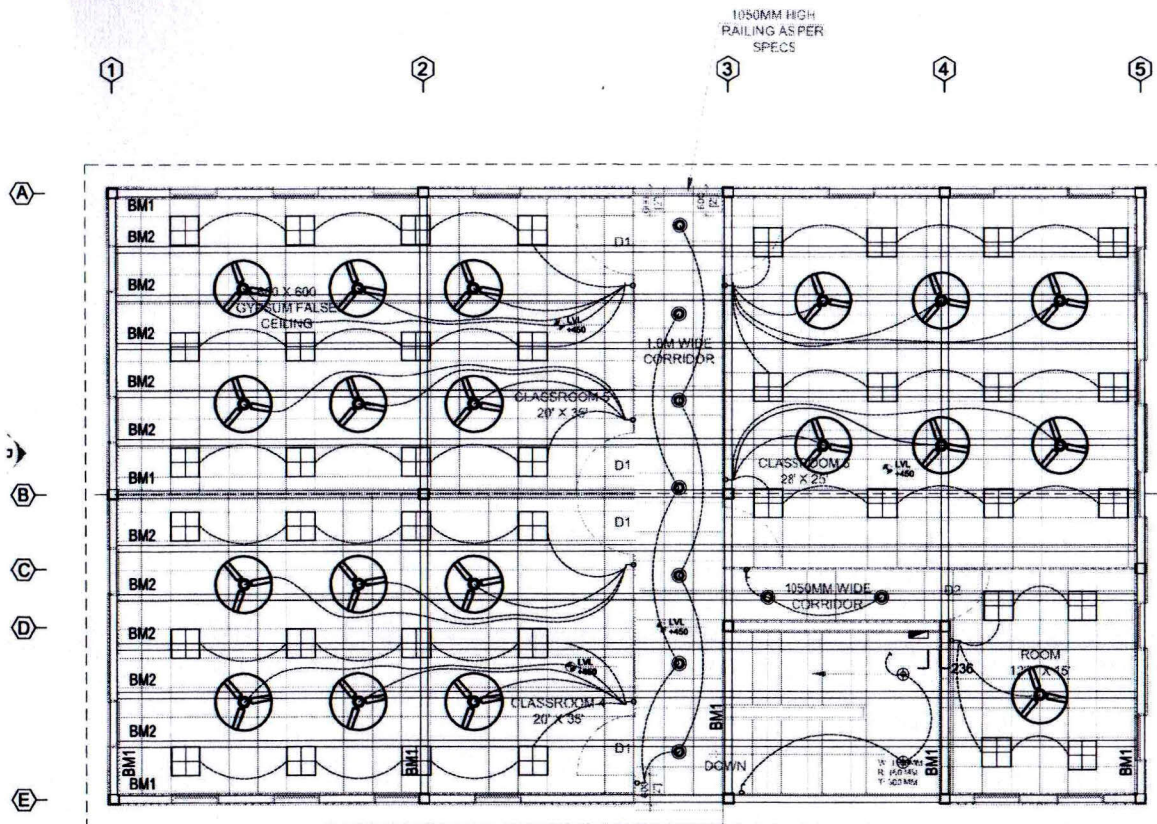
REV.NO. R2
NORTH

FOR TENDER PURPOSE
 ADVANCE COPY

FOR APPROVAL
 GOOD FOR CONSTRUCTION



82A D-22



TYPICAL DETAIL OF DB FIXING

- NOTE:-**
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL STRUCTURAL AND ELECTRICAL DRAWING.
 - A MAXIMUM 2 CXTS. OF SAME PHASE SHALL BE LAID IN 25mm ϕ CONDUIT.
 - MINIMUM SIZE OF CONDUIT SHALL BE 25mm ϕ .
 - ALL CONDUIT SHALL BE OF PVC.
 - MOUNTING HEIGHTS OF SWITCHES, SOCKETS & LIGHT FITTINGS SHALL BE AS/LEVELS GIVEN IN LEGEND
 - ALL SWITCHES & SOCKETS SHALL BE MODULAR TYPE ALL BOX SHALL BE OF GALVANISED M.S.
 - SHOP / AS-BUILT DRAWINGS SHALL BE PREPARED BY CONTRACTOR.
 - WIRING SHALL BE CARRIED OUT WITH FOLLOWING SIZE OF STRANDED /MULTI STRANDED COPPER CONDUCTOR PVC INSULATED 650/1100V GRADE CABLE/WIRES.
 - LIGHT POINT - 1.5sq.mm.
 - CIRCUIT WIRING (FOR LIGHT POINT) - 2.5sq.mm.
 - POWER PLUG POINT (FIRST POINT) - 4.0sq.mm.
 - POWER PLUG POINT (SECOND POINT) - 2.5sq.mm.

SCHEDULE OF WIRES DRAWN IN CONDUITS										
S.NO.	X-SECTION OF WIRE IN SQ. MM	20MM ϕ DA	25MM ϕ DA	32MM ϕ DA	40MM ϕ DA	50MM ϕ DA	65MM ϕ DA	75MM ϕ DA	100MM ϕ DA	125MM ϕ DA
1.	1.5	5	4	10	8	18	12	-	-	-
2.	2.5	5	3	8	6	12	10	-	-	-
3.	4.0	3	2	6	5	10	8	-	-	-
4.	6.0	2	-	5	4	8	7	-	-	-
5.	10.0	2	-	4	3	6	5	8	6	-
6.	16.0	-	-	2	2	3	3	6	5	10
7.	25.0	-	-	-	3	2	5	3	8	6
8.	35.0	-	-	-	-	-	3	2	6	5
9.	50.0	-	-	-	-	-	-	-	5	3
10.	70.0	-	-	-	-	-	-	-	4	3

NOTE: 'S' IS APPLICABLE WHEN CONDUIT IS INCLINED LESS THAN 15DEG. FROM STRAIGHT AND 'B' IS APPLICABLE WHEN CONDUIT IS INCLINED MORE THAN 15DEG. FROM STRAIGHT

LEGENDS :-

- 12 W RECESSED TYPE
- 10 W SURFACE TYPE
- RECESSED TYPE 2' x 2' PANEL LIGHT WITH 36 W LED LAMP
- 1200 MM SWEEP CEILING FAN
- 6A ONE WAY SWITCH @1050 FROM FFL(6" AWAY FROM THE DOOR)
- 6A TWO WAY SWITCH @1050 FROM FFL(6" AWAY FROM THE DOOR)
- 6A TWO WAY SWITCH @1050 FROM FFL(6" AWAY FROM THE DOOR)

- NOTES:-**
- All dimensions are in Millimeters, unless otherwise noted. Do not scale drawing, only written dimensions to be followed.
 - In case of discrepancy in drawing the same may be notified to DEPL before commencing work at site.
 - All structural / services drawings to be read in conjunction with Architectural Drawings.
 - The details in all the drawings to be read properly, understood and executed by competent qualified engineering personnel, trained in construction activities of such nature and magnitude. He/ she should possess adequate knowledge of Good engineering practices, relevant codes & standards for the area of concern.
 - This document should not be used in circumstances other than for those for which it was originally prepared and for which DeArch Engineers Pvt. Ltd. was commissioned.
 - DEPL cannot be held responsible for errors/ lapses during execution as a consequence of improper, inadequate or incompetent study of the drawings.
 - Refer door and window schedule drawing for opening we have marked included hinge dimension with opening dimension in the drawing

REV	DATE	REVISION NOTE

CLIENT:-
Shri Ram College of Commerce



REVIEWED BY:- APPROVED BY:-

CONSULTANTS:-
dcs
 ELECTRICAL CONSULTANT
 LG-61, ANSAL FORTUNE ARCADE,
 SECTOR - 18, NOIDA - 201301

CONSULTANTS:-
DeArch ENGINEERS



510 Best Business Park Netaji Subhash
 Place New Delhi 110034.O:011 40108292
 Email Id:-Team@DeArchengineers.com

PROJECT:-
 Development of Porta Cabin G+1 at Shri Ram College of Commerce.

DRAWING TITLE:-
 PORTA CABIN-FIRST FLOOR LIGHTING LAYOUT

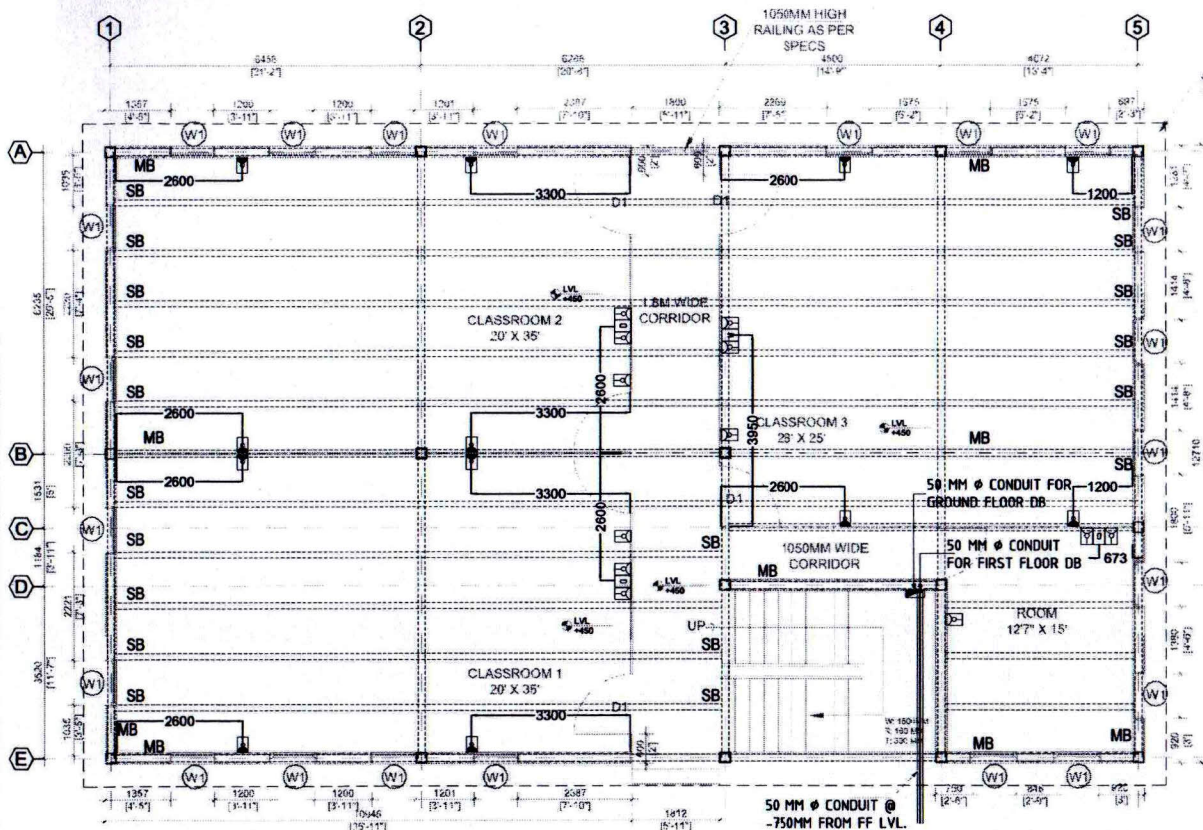
DRAWING No:- DEPLSRCC/PCJ E02

DRAWN BY:-		CHECKED BY:-	
RAVI		ANIL	
SHEET SIZE	A3	REV.NO.	NORTH
SCALE	1:100		
DATE	30.08.2022	R2	

- | | |
|--|--|
| <input checked="" type="checkbox"/> FOR TENDER PURPOSE | <input type="checkbox"/> ADVANCE COPY |
| <input type="checkbox"/> FOR APPROVAL | <input type="checkbox"/> GOOD FOR CONSTRUCTION |



Handwritten signature and reference number: *SR* D-23



GROUND FLOOR PLAN

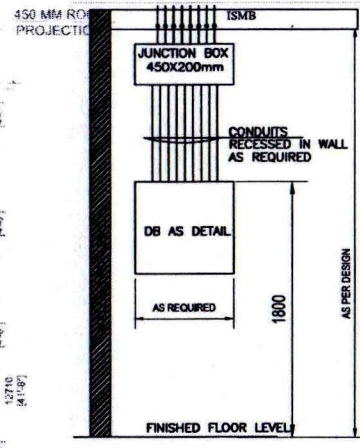
LEGENDS :-

01.		1NO. DATA POINT ABOVE SKT.LVL./ON SB .
02.		6 AMP. SOCKET WITH 6A SWITCH ABOVE SKT.LVL./ON SB .
03.		LIGHT POWER DISTRIBUTION BOARD@5'-0" BOTTOM FROM FF LVL.
04.		6A ONE WAY SWITCH @1050 FROM FFL(6" AWAY FROM THE DOOR)
05.		6A TWO WAY SWITCH @1050 FROM FFL(6" AWAY FROM THE DOOR)
06.		16 AMP. 3 PIN SOCKET WITH 16 AMP. CONTROL SWITCH @ 230 MM FROM FFL.

SCHEDULE OF WIRES DRAWN IN CONDUITS

S.NO.	X-SECTION OF WIRE IN SQ. MM	CONDUIT SIZE													
		20MM DIA	25MM DIA	32MM DIA	40MM DIA	50MM DIA	63MM DIA	75MM DIA	90MM DIA	110MM DIA	125MM DIA				
1.	1.5	5	4	10	8	18	12	-	-	-	-	-	-	-	-
2.	2.5	5	3	8	6	12	10	-	-	-	-	-	-	-	-
3.	4.0	3	2	6	5	10	8	-	-	-	-	-	-	-	-
4.	6.0	2	-	5	4	8	7	-	-	-	-	-	-	-	-
5.	10.0	2	-	4	3	6	5	8	6	-	-	-	-	-	-
6.	16.0	-	-	2	2	3	3	6	5	10	7	12	-	-	-
7.	25.0	-	-	-	-	3	2	5	3	8	6	9	-	-	-
8.	35.0	-	-	-	-	-	-	3	2	6	5	8	-	-	-
9.	50.0	-	-	-	-	-	-	-	-	5	3	6	-	-	-
10.	70.0	-	-	-	-	-	-	-	-	4	3	5	-	-	-

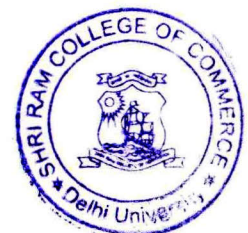
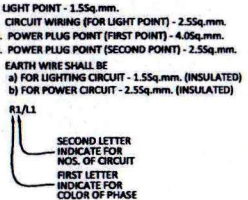
NOTE: 'S' IS APPLICABLE WHEN CONDUIT IS INCLINED LESS THAN 15DEG. FROM STRAIN AND 'B' IS APPLICABLE WHEN CONDUIT IS INCLINED MORE THAN 15DEG. FROM STRAIN



TYPICAL DETAIL OF DB FIXING

NOTE:-

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL STRUCTURAL AND ELECTRICAL DRAWING.
- A MAXIMUM 2 CKTS. OF SAME PHASE SHALL BE LAID IN 25mm ϕ CONDUIT.
- MINIMUM SIZE OF CONDUIT SHALL BE 25mm ϕ .
- ALL CONDUIT SHALL BE OF PVC
- MOUNTING HEIGHTS OF SWITCHES, SOCKETS & LIGHT FITTINGS SHALL BE AS/LEVELS GIVEN IN LEGEND
- ALL SWITCHES & SOCKETS SHALL BE MODULAR TYPE ALL BOX SHALL BE OF GALVANISED M.S.
- SHOP / AS-BUILT DRAWINGS SHALL BE PREPARED BY CONTRACTOR.
- WIRING SHALL BE CARRIED OUT WITH FOLLOWING SIZE OF STRANDED /MULTI STRANDED COPPER CONDUCTOR PVC INSULATED 650/1100V GRADE CABLE/WIRES.
 - LIGHT POINT - 1.55sq.mm.
 - CIRCUIT WIRING (FOR LIGHT POINT) - 2.55sq.mm.
 - POWER PLUG POINT (FIRST POINT) - 4.05sq.mm.
 - POWER PLUG POINT (SECOND POINT) - 2.55sq.mm.



NOTES:-

- All dimensions are in Millimeters, unless otherwise noted. Do not scale drawing, only written dimensions to be followed.
- In case of discrepancy in drawing the same may be notified to DEPL before commencing work at site.
- All structural / services drawings to be read in conjunction with Architectural Drawings.
- The details in all the drawings to be read properly, understood and executed by competent qualified engineering personnel, trained in construction activities of such nature and magnitude. He/she should possess adequate knowledge of Good engineering practices, relevant codes & standards for the area of concern.
- This document should not be used in circumstances other than for those for which it was originally prepared and for which DeArch Engineers Pvt. Ltd. was commissioned.
- DEPL cannot be held responsible for errors/lapses during execution as a consequence of improper, inadequate or incompetent study of the drawings.
- Refer door and window schedule drawing for opening we have marked included hinge dimension with opening dimension in the drawing

REV DATE REVISION NOTE

REVISION INDEX

CLIENT:-

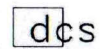
Shri Ram College of Commerce



REVIEWED BY:-

APPROVED BY:-

CONSULTANTS:-



ELECTRICAL CONSULTANT
LG-61, ANSAL FORTUNE ARCADE,
SECTOR - 18, NOIDA - 201301

CONSULTANTS:-



DeArch ENGINEERS

510 Best Business Park Netaji Subhash Place New Delhi 110034.O:011 40108292
Email Id:-Team@DeArchengineers.com

PROJECT:-

Development of Porta Cabin G+1 at Shri Ram College of Commerce.

DRAWING TITLE:-

PORTA CABIN-GROUND FLOOR POWER LAYOUT

DRAWING No:- DEPLSRCC/PC/ E02

DRAWN BY:-

RAVI

CHECKED BY:-

ANIL

SHEET SIZE

A3

REV.NO.

R2

NORTH

SCALE

1:100

DATE

30.08.2022

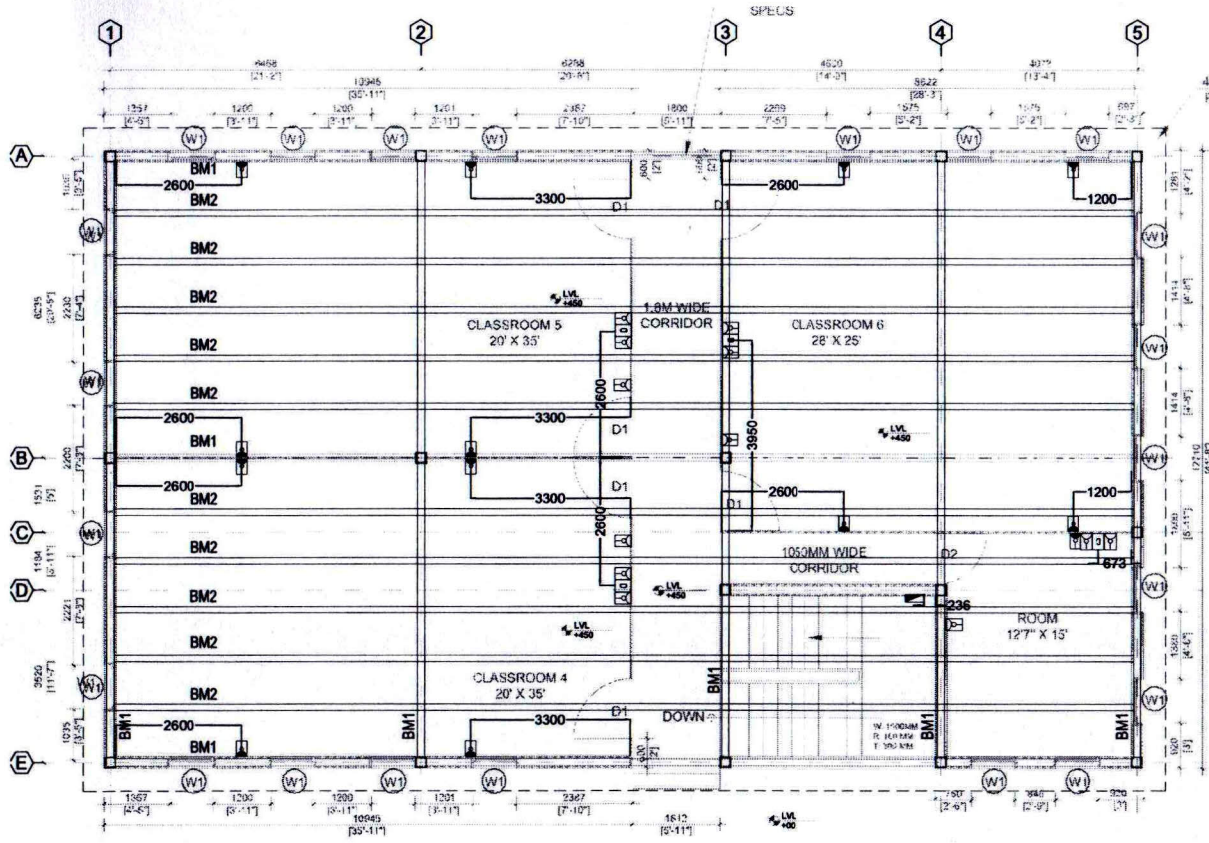
FOR TENDER PURPOSE

ADVANCE COPY

FOR APPROVAL

GOOD FOR CONSTRUCTION

SR & D-24



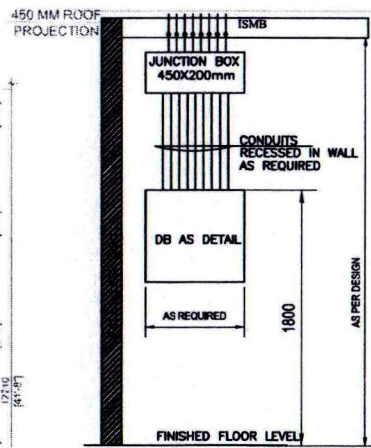
FIRST FLOOR PLAN

LEGENDS :-

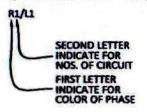
- 01. 1NO. DATA POINT ABOVE SKT.LVL./ON SB .
- 02. 6 AMP. SOCKET WITH 6A SWITCH ABOVE SKT.LVL./ON SB .
- 03. LIGHT POWER DISTRIBUTION BOARD@5'-0" BOTTOM FROM FF LVL.
- 04. 6A ONE WAY SWITCH @1050 FROM FFL(6" AWAY FROM THE DOOR)
- 05. 6A TWO WAY SWITCH @1050 FROM FFL(6" AWAY FROM THE DOOR)
- 06. 16 AMP. 3 PIN SOCKET WITH 16 AMP. CONTROL SWITCH @ 230 MM FROM FFL.

SCHEDULE OF WIRES DRAWN IN CONDUITS											
S.NO.	X-SECTION OF WIRE IN SQ. MM	CONDUIT SIZE									
		20MM DIA	25MM DIA	32MM DIA	40MM DIA	50MM DIA	65MM				
1.	1.5	5	4	10	8	18	12	-	-	-	-
2.	2.5	5	3	8	6	12	10	-	-	-	-
3.	4.0	3	2	6	5	10	8	-	-	-	-
4.	6.0	2	-	5	4	8	7	-	-	-	-
5.	10.0	2	-	4	3	6	5	8	6	-	-
6.	16.0	-	-	2	2	3	3	6	5	10	7
7.	25.0	-	-	-	3	2	5	3	8	6	9
8.	35.0	-	-	-	-	-	3	2	6	5	8
9.	50.0	-	-	-	-	-	-	-	5	3	6
10.	70.0	-	-	-	-	-	-	-	4	3	5

NOTE: 'S' IS APPLICABLE WHEN CONDUIT IS INCLINED LESS THAN 15DEG. FROM STRA AND 'B' IS APPLICABLE WHEN CONDUIT IS INCLINED MORE THAN 15DEG. FROM STRA



- NOTE:-**
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL STRUCTURAL AND ELECTRICAL DRAWING.
 - A MAXIMUM 2 CKTS. OF SAME PHASE SHALL BE LAID IN 25mm ϕ CONDUIT.
 - MINIMUM SIZE OF CONDUIT SHALL BE 25mm ϕ .
 - ALL CONDUIT SHALL BE OF PVC
 - MOUNTING HEIGHTS OF SWITCHES, SOCKETS & LIGHT FITTINGS SHALL BE AS/LEVELS GIVEN IN LEGEND
 - ALL SWITCHES & SOCKETS SHALL BE MODULAR TYPE ALL BOX SHALL BE OF GALVANISED M.S.
 - SHOP / AS-BUILT DRAWINGS SHALL BE PREPARED BY CONTRACTOR.
 - WIRING SHALL BE CARRIED OUT WITH FOLLOWING SIZE OF STRANDED /MULTI STRANDED COPPER CONDUCTOR PVC INSULATED 650/1100V GRADE CABLE/WIRES.
 - i. LIGHT POINT - 1.5sq.mm.
 - ii. CIRCUIT WIRING (FOR LIGHT POINT) - 2.5sq.mm.
 - iii. POWER PLUG POINT (FIRST POINT) - 4.0sq.mm.
 - iv. POWER PLUG POINT (SECOND POINT) - 2.5sq.mm.
 - v. EARTH WIRE SHALL BE
 - a) FOR LIGHTING CIRCUIT - 1.5sq.mm. (INSULATED)
 - b) FOR POWER CIRCUIT - 2.5sq.mm. (INSULATED)



- NOTES-
- All dimensions are in Millimeters, unless otherwise noted. Do not scale drawing, only written dimensions to be followed.
 - In case of discrepancy in drawing the same may be notified to DEPL before commencing work at site.
 - All structural / services drawings to be read in conjunction with Architectural Drawings.
 - The details in all the drawings to be read properly, understood and executed by competent qualified engineering personnel, trained in construction activities of such nature and magnitude. He/ she should possess adequate knowledge of Good engineering practices, relevant codes & standards for the area of concern.
 - This document should not be used in circumstances other than for those for which it was originally prepared and for which DeArch Engineers Pvt. Ltd. was commissioned.
 - DEPL cannot be held responsible for errors/ lapses during execution as a consequence of improper, inadequate or incompetent study of the drawings.
 - Refer door and window schedule drawing for opening we have marked included hinge dimension with opening dimension in the drawing

REV	DATE	REVISION NOTE

CLIENT:-
Shri Ram College of Commerce

 REVIEWED BY:-
 APPROVED BY:-

CONSULTANTS:-

ELECTRICAL CONSULTANT
 LG-61, ANSAL FORTUNE ARCADE,
 SECTOR - 18, NOIDA - 201301

CONSULTANTS:-

DeArch ENGINEERS

510 Best Business Park Netaji Subhash Place New Delhi 110034.O:011 40108292 Email Id:-Team@DeArchengineers.com

PROJECT:-
 Development of Porta Cabin G+1 at Shri Ram College of Commerce.

DRAWING TITLE:-
 PORTA CABIN-FIRST FLOOR POWER LAYOUT

DRAWING No:- DEPL/SRCC/PC/ E02

DRAWN BY:- RAVI	CHECKED BY:- ANIL
SHEET SIZE A3	REV.NO. R2
SCALE 1:100	NORTH
DATE 30.08.2022	

- FOR TENDER PURPOSE
- FOR APPROVAL
- ADVANCE COPY
- GOOD FOR CONSTRUCTION

Handwritten signatures and marks: *FE A* and *D-25*

SHRI RAM COLLEGE OF COMMERCE						
INSTALLATION OF G+1 PORTA CABINS FOR CLASS ROOMS AT SRCC						
BILL OF QUANTITIES						
S No.	DESCRIPTION	UNIT	QUANTITY	RATE (Rs) (Inclusive of all Taxes & GST)		AMOUNT (Rs)
A	B	C	D	E	F	F
				In Figures	In Words	
01	Supply, installation, erection and completion in all respects for G+1 storey Porta Cabins for Class Rooms as per the provided design layouts, technical specifications and approved shop drawings. The scope of work consists of all items relating to Civil (sub and super structure), Electrical, Storm water drainage and other Service etc for the completion of the Porta Cabins. The rates to be quoted in the same are to be of inclusive of all the works relating to the successful completion, commissioning and handing over in functional stage of the Porta Cabins.Total plinth area of both the floors is 548.00 sqm approx.	Sqm	548.00			
02	Supply, installation, testing and commissioning of inverter rotary type /inverter scroll type air cooled DX,Split type air conditioning units each comprising of the following.					
2.1	An Outdoor unit and an indoor unit can be:					
2.2	The unit shall be with R32 / R410 refrigerant.					
2.3	The split unit shall be only cooling or (Heat Pump) heating & cooling as mentioned below in the BOQ.					
2.4	The unit shall be with hand held IR remote or corded remote as may be required.					
2.5	The unit shall be minimum '4 Star' rated.					
2.6	Outdoor condensing unit shall comprise of single / multi inverter, rotary / scroll compressor & air cooled condenser with fan & motor. Evaporating unit shall consist of a blower section with dynamically balanced centrifugal blower driven by induction motor, multirows deep copper cooling coil with aluminium fins, thermostatic expansion valve etc. The evaporating unit shall be equipped with synthetic fibre filters, insulated drain pan, safety controls, thermostat all complete in a unit.					
2.7	The enclosure shall be factory painted to a smooth finish. The quoted price shall be inclusive of interconnected insulated refrigerant piping, insulated drain piping, vibration isolation pads / vibration isolators and associated electrical cabling & earthing between indoor & outdoor units and MS powder coated base frame work made of angle iron for mounting of outdoor/indoor units.					
(RATES TO BE QUOTED FOR THE ITEM IN SNO. 2.15)						
2.8	Supply & fixing of stand suitable for 1.5 TR wall/floor mounted type Split Air conditioners.					
2.9	Supply & fixing of Interconnecting Power,Control cable Copper Pipes , duly insulated with closed cell elastomeric nitride tube insulation and 25mm dia rigid drain pipe suitable for 2.0TR Split Type AC					
2.10	Supply & Installation of Slim Wall Mounted Automatic Voltage Regulator copper wound input Voltage range 160-260V output Voltage 230 +/-10% (Make -Microtek) Nominal capacity 5.0 KVA					
2.11	The units shall be suitable for 230V±6% , 50 ± 3%,Hz supply & complete with electrical controls & panels, if required.					
2.12	Hi wall units as per above - (Noise Level 32-39 db)					
2.13	Notes:					
2.14	Hi-walls shall be with cordless remote.					
2.15	As per above Hi wall Type -1.5 TR (Mitsubishi make).	Each	26.00			
GRAND TOTAL						



[Handwritten signature]