

**ELIGIBILITY FOR CONSTRUCTION OF MS SHED MADE OUT OF MS PIPE STRUCTURE
HEAVY DUTY SHED OF SIZE 140'X45'X30' WITH PPGI SHEET AT SENIOR WING OF
ARMY PUBLIC SCHOOL, AMBALA CANTT DURING THE FY 2024-25**

1. Contractors enlisted with MES/CPWD/PWD/RAILWAYS BUILDING for executing work more than 50 lacs shall be considered qualified provided they provide all valid documents.
2. Firm not enlisted will also be considered if they shall submit documents of having satisfactorily completed requisite value work.
3. GST Registration number not enclosed with documents will disqualify the technical bid.
4. Details of highest valued similar nature of works executed during last 5 years with date of completion will be enclosed.
5. Solvency certificate and working capital issued by schedule bank will be Enclosed/Audited balance sheet certified by CA for confirmation of financial soundness.
6. Details of immovable property/fixed assets will be enclosed.
7. Annual turnover certificate for last 2 years issued by CA, along with relevant pages of audited balance sheet in support thereof.
8. Bidders shall ensure they are holding Provident Fund Code Number, if applicable, and they shall also ensure compliance of EPF & MP Act 1952.
9. Copies of Last five ITR returns : _____

Name of Company	
GST No	
Bank Name	
Account No	
IFSC Code	
Bank Address	
PAN No	
E-mail address	
Phone No	
Postal Address	
Experience in the field	

Signature of Contractor

CONTRACTOR

TECHNICAL BID

**TENDER FORM FOR CONSTRUCTION OF MS SHED MADE OUT OF MS PIPE STRUCTURE
HEAVY DUTY SHED OF SIZE 140'X45'X30' WITH PPGI SHEET
AT SENIOR WING OF ARMY PUBLIC SCHOOL, AMBALA CANTT**

1. Name of Firm/Contractor : _____
with full address, tele No & Email. _____

Tele No _____

Email No _____

2. GST No of the Firm/Contractor. : _____

3. PAN No of the Firm/Contractor : _____

4. Copies of Last five ITR returns : _____

5. **Scope of Work.** Construction of MS Shed made out of MS pipe structure heavy duty shed of size 140'x 45'x 30' with PPGI sheet at Senior Wing of Army Public School, Ambala Cantt. All side closed with PPGI sheet including roof covered with insulation Bubble Wrap sheet as as per specification, dimensions and drawing given as per details specified and directed.

Detailed Specifications

6. Details of MS Pipe / Tube to be used as per drawing :-

Type	Details of Truss Members	Thick(mm)	Weight(Kg/m)
(a)	Tube 96x48x4.00 Thick(Bottom Member	4.00	8.22
(b)	Tube 122x61x3.60 Thick(Top Member)	3.60	9.67
(c)	Tube 40x40x3.2 Thick	3.20	3.49
(d)	Tube 140x80x4.50 Thick(Purlin)	4.50	14.50
(e)	Tube 96x48x4.00 Thick(Runner)	4.00	8.22
(f)	Tube 150 x 150 x5.00 Thick(Vertical)	5.00	22.20

7. **Electric work.**

- (a) Placing of PVC pipes for flood lights(including Required Accessories)
- (b) PVC bend and PVC Junction Point. including Required Accessories)
- (c) Forming Control / Switch Board
- (d) Installing Flood Light(100W)
- (e) Tube Lights 20 W LED
- (f) Installation of TPN & MCB.

8. **Miscellaneous.** Labour, Earth work site clearance, Lights, complete electric fitting, Exhaust / ventilation fan drain system etc.

Proprietor/Partner of The Firm _____

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9. MS shed be constructed strictly as per specification & drawing duly completed in all respect as specified & directed by the school. All the material to be used should be of ISI mark. Copy of the drawing is attached.
10. Construction of MS Shed (140' Ft x 45' x 30" Ft) as per specification given in drawing duly completed in all respect at Senior Wing of Army Public School, Ambala Cantt. (Make : TATA/JSW)
11. Colour of Pre painted Galvanized iron(PPGI) sheet for MS shed be specified by school authorities. Thickness of PPGI sheet will be min 0.5 mm JSW AZ 150 (Colour option- Dark green/Blue/Red of as colour decided by the management).
12. The warranty/defect liability period of the MS shed will be min 8 years after the completion of the subject work and this regard a certificate for the same be submitted on completion of the shed before the final payment.
13. **Site Engineer.** At all time when the construction activity is going on at the site, a suitable and well qualified site engineer, with minimum qualification of Diploma in Civil Engineering, adequate work experience will be physically present. Any omission in this regard will invite payment penalty of Rs 1500/- per day. The individual details along with qualification certificate will be submitted to the Principal, APS Ambala Cantt before commencement of works at the site.
14. MSME rules and regulations , if applicable (Udyog Adhar/Udyam Adhar).- if the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover/Experience criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
15. MSME if applicable – If the bidder is start-up, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience criteria" subject to their meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover/Experience criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer. The minimum average annual financial turnover of the bidder during the last three years, ending 31st march of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited balance sheets of the relevant periods or a certificate from the chartered Accountant/cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution/incorporation of the bidder is less than 3 years old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
16. **Warranty and Maintenance Backup.** During the period of warranty, the vendor would provide System Maintenance. Vendor will provide the following :-
- (a) During the period of warranty the vendor will ensure that the system continues to perform in exactly the same manner as at the time of acceptance.

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(b) **Hardware Maintenance.** It will be mandatory for vendors to have service facilities. This information will be provided along with the **Technical Bid**. The information being provided by the vendor regarding services facilities shall be verified by a team of officers (if required). In the event of any information being provided by the vendor in his bid found to be untrue, the bids of the vendor are liable to be rejected.

(c) **Arrangements of Warranty.** Rep of firm will be available on phone call during the warranty period in any problem faced by this unit.

17. **Earliest Acceptable Year of Manufacture.** Quality / Life certificate will need to be enclosed with the Bill.

18. **Transportation.** All the stores will be delivered at the consignee address. Seller will bear the costs and freight.

19. **Quality.** The quality of the stores delivered according to the present Contract shall correspond to the technical conditions and **ISO certified** standards valid for the deliveries of the same stores for in Seller's country or specifications enumerated as per RFP and shall also include therein modification to the stores suggested by the Buyer. Such modifications will be mutually agreed to. The Seller confirms that the stores to be supplied under this Contract shall be new i.e. not manufactured before (**year**), and shall incorporate all the latest improvements and modifications thereto and spares of improved and modified equipment are backward integrated and interchangeable with same equipment supplied by the Seller in the past if any. The Seller shall supply an interchangeability certificate along with the changed part numbers wherein it should be mentioned that item would provide as much life as the original item. The vendor should also be committed to provide higher version of the product offered in case the offered product becomes obsolete or newer version is available without any change in the terms and conditions and prices quoted.

20. **Quality Assurance.** Seller would complete the Standard Acceptance Test Procedure (ATP) within 04 weeks from the last date of delivery of stores. Buyer reserves the right to modify the ATP. Seller would be required to provide all test facilities at his premises for acceptance and inspection by Buyer. The details in this regard will be coordinated during the negotiation of the contract. The item should be of the latest manufacture, conforming to the current reduction standard and having 100% defined life at the time of delivery.

21. **Inspection Authority.** The inspection will be carried out by PMG board of officers on behalf of the buyer. The mode of inspection will be Joint Inspection.

22. **Claims.** The following Claims clause will form part of the contract placed on successful Bidder:-

(a) The claims may be presented either: (a) on quantity of the stores, where the quantity does not correspond to the quantity shown in the Packing List/Insufficiency. in packing, or (b) on quality of the stores, where quality does not correspond to the quality mentioned in the contract.

(b) The quantity claims for deficiency of quantity shall be presented within 45 days of completion of „opening board of officers“ and acceptance of eqpts. The quantity claim shall be submitted to the Seller as per Form DPM-22 (Available in MoD website and can be given on request).

(c) The quality claims for defects or deficiencies in quality noticed during the JRI shall be presented within 14 days of completion of JRI and acceptance of eqpts. Quality claims shall be presented for defects or deficiencies in quality noticed during warranty period earliest but not later than 14 days after expiry of the guarantee period.

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(d) The Seller shall collect the defective or rejected eqpts from the location nominated by the Buyer and deliver the repaired or replaced eqpts at the same location under Seller's arrangement.

(e) The quality claims will be raised solely by the Buyer and without any certification/ countersignature by the Seller's representative stationed in India.

23. **Warranty.** The following Warranty will form part of the contract placed on successful Bidder:-

(a) The Seller warrants that the eqpts supplied under the contract conform to technical specifications prescribed and shall perform according to the said technical specifications.

(b) The Seller warrants for a period of **12 months from the date of installation and commissioning, or ATP is later**, that the eqpts/stores supplied under the contract and each component used in the manufacture thereof shall be free from all types of defects/failures. Onsite comprehensive warranty will be provided.

(c) If within the period of warranty, the eqpts are reported by the Buyer to have failed to perform as per the specifications, the Seller shall either replace or rectify the same free of charge provided that the eqpts are used and maintained by the Buyer as per instructions contained in the Operating Manual. Warranty of the equipment would be extended by such duration of downtime. Record of the down time would be maintained by the user in the logbook. Spares required for warranty repairs shall be provided free of cost by the Seller. The Seller also undertakes to diagnose, test, **20 of 40** adjust, calibrate and repair/replace the eqpts/equipment arising due to accidents by neglect or misuse by the operator or damage due to transportation of the eqpts during the warranty period, at the cost mutually agreed to between the Buyer and the Seller.

(d) The Seller also warrants that necessary service and repair back up during the warranty period of the equipment shall be provided by the Seller and he will ensure that the downtime within 0.5 % of the warranty period. This amounts to total maximum downtime of six days during warranty.

(e) The seller will place a service engineer at the site for the duration of the warranty period. The Seller shall associate technical personnel of the maintenance agency and Quality Assurance Agency of the buyer during warranty and shall also provide the details of complete defects, reasons and remedial actions for defects.

(f) If a particular equipment/eqpts fails frequently and/or, the cumulative down time exceeds 1.5 % of the warranty period, the complete equipment shall be replaced free of cost by the Seller within a stipulated period of 30 days of receipt of the notification from the Buyer. Warranty of the replaced equipment would start from the date of acceptance after Joint Receipt Inspection by the Buyer/date of installation and commissioning.

(g) During the warranty period, all warranty benefits received by the seller from the OEMs, for any equipment pertaining to third parties will be passed on in to the Buyer.

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(h) Where the tenders are quoted for by resellers/channel partners on behalf of OEMs, proof in writing to the effect that a back to back arrangement/exercising of support pack options exists with the OEM for entire duration of warranty, shall be provided on placement of supply order. Failure to provide sufficient proof for the arrangements shall either result in non-processing of payments due to the vendor or cancellation of supply order.

24. **Bidder Financial Standing-** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to give undertaking to this effect with bid.

25. Installation, commissioning, testing, configuration, training (if any- which ever is applicable as per scope of supply) is to be carried out by OEM/OEM certified resource or OEM authorized Reseller.

26. **Payment terms** - The payment shall be made based on milestones as follows. Every installment of payment shall be released only after completion of that particular milestone duly approved by nominated Board of Officers.

<u>Ser No</u>	<u>Type of Work</u>	<u>Time to be taken to work completion</u>	<u>Payment schedule(% age of total cost)</u>	<u>Remarks</u>
(a)	Commencement of Work, Construction of civil work & provision of iron items for construction of shed at the site.	02 week	50% of the total cost (on completion only)	This payment will be released after producing 10% security as FDR of total construction cost.
(b)	Fitting of material/MS Pipe & PPGI sheet on MS shed duly completed in all respect.	Further 02 week	30% of the total cost (on completion only)	
(c)	Fixing of Bubble sheet duly insulated of roof on the MS shed duly completed in all respect and final inspection of the construction of the MS shed by the bd of officers.	Further 02 week	20% of the total cost (on completion only)	

Special Conditions of Contract

27. The MS Shed construction work shall be done strictly as per specification given in Form - I & II and as directed by the school duly completed in all respect. In case any details are not found attached with this document, the same shall be provided separately. However, there shall not be any change in the scope of work from what has been mentioned in this document.

28. In case of any ambiguity on any aspect related to the construction of MS Shed, The National Code shall be taken as the guiding document.

29. Time for completion of the work shall be 45 days from the date of signing of the contract agreement. No separate work order shall be issued for commencement of the work.

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CONTRACTOR

30. Date of completion shall be the date on which completion certificate is issued to the contractor which shall only be done after rectification of defects; if any pointed out by the accepting officer of the contract/his representative to the contractor upon receipt of written confirmation of work completion from the contractor.
31. Failure to complete the work within the period of completion shall invite reduction of compensation at the rate of 0.2% of the whole of contract amount per week till completion of the work to the satisfaction of the accepting officer. The accepting officer may consider grant of extension of time beyond the initial period of completion in case he is fully satisfied that the delay is due to circumstances beyond control of the contractor. After maximum time of 15 days, if work is not completed, the work will be scrapped and contract / agreement will stand cancelled automatically.
32. No sub-letting of any part or portion of the work shall be permitted and it shall be the sole responsibility of the contractor undertaking the work to complete the work within time.
33. No advance payment shall be made and the payment shall be made progressively upon completion of stages; which shall be specified in contract agreement.
34. The rates quoted by the contractor shall include all applicable taxes, octroi, transportation, loading/unloading and labour charges. No additional payment other than what has been quoted for in the tender shall be payable to the contractor under any circumstances.
35. Earnest money Rs 50,000/- (Rs Fifty Thousand only) to be deposited with school through DD in favour of Principal Army Public School, Ambala Cantt. In case the L1 vendor withdraws his bid after opening of tender, the earnest money shall stand forfeited.
36. After the allotment of contract, in case the "Contractor" withdraws within the month, the Earnest money and 10% payment retained as security shall stand forfeited.
37. The Accepting Officer reserves the right to modify/add/reduce the scope of work due to site or functional requirements which shall be binding on the contractor to execute with appropriate financial effect if any as per existing market rates in Ambala.
38. A Project Management Group (PMG) shall be detailed by the higher HQ to monitor the quality and progress of construction of MS Shed as also to ensure required coordination. Any observations made by the project Monitoring Group will be complied with by the contractor.
39. Periodic progress and quality of work will be monitored by a Project Monitoring Group (PMG) to be detailed by HQ 40 Arty Div and accordingly payment to the contractor at each stage will be cleared by the PMG. The quality of works completed will be worked out by the PMG in the presence of contractor.
40. Electricity and water charges at rates charged by govt agencies shall be deducted from the payment due to the contractor for the units consumed by the contractor for execution of work.
41. The rates quoted shall be valid for a period of 180 days from the date of opening of the financial bid.
42. Shelter for labourers shall be under own arrangement of the contractor (Outside the school premises).
43. The contractor shall employ only Indian Nationals as he representatives, servants and workmen and ensure their police verification to verify their antecedents and loyalty before employing them for work and shall satisfy the Principal APS as to their bonafides.

CONTRACTOR

44. The contractor shall take all steps to avoid any damage, mis-happening, accident etc to the workmen engaged by him to carry out the work and school will have no responsibility in this regards.

45. Accepting officer reserves the right to resort to re-tender incase the rates quoted are found to be unreasonable.

46. Last date of receipt of sealed tenders duly completed is 1400 hrs on 05 Feb 2025. All bids received after 05 Feb 2025 (1500h) shall be considered invalid and shall not be opened.

47. Bidders shall be deemed to have read, understood and willing to abide by this document when they submit their bids. Accordingly, this form duly signed on each page with office stamp of the firm shall be submitted alongwith the bid documents; failing which the bid shall be considered invalid and no cognizance shall be taken of it.

Dated : 2025

(Sig of Proprietor/Partner of the Firm
alongwith stamp)

GENERAL CONDITIONS OF CONTRACT

1. No night work will be permitted without the written permission of the Army Public School, Ambala Cantt.
2. Permission for erection of temporary work sheds etc., at site will have to be obtained from Army Public School, Ambala Cantt in writing in advance.
3. The works contract to be entered into with the successful tenderer will be governed as per the directions of the Army Public School, Ambala Cantt
4. The successful tenderer / Contractor shall observe all safety regulations and take necessary safety precaution as called for and Safety Precautions enclosed herewith.
5. In all matters of dispute, the decision of the chairman, Army Public School, Ambala Cantt Shall be final and binding on the tenderer / contractor.
6. Some changes are likely in the quantities furnished as well as in the layout, design and specifications of the work. The rate quoted shall be deemed to be inclusive of all such contingencies.
7. All the materials to be used in the work and nature of work shall conform to respective BIS and National Buildings Organisation Standard Specifications and shall be got approved by the Army Public School, Ambala Cantt through PMG before actual incorporation in the work.
8. All materials brought by the Contractor for incorporation in the work shall be got inspected and approved by the Army Public School, Ambala Cantt through PMG before they are incorporated in the work
9. Engineer in charge / Civil or PMG representative shall have all reasonable times access to Contractor's premises of work and shall have the power at all the reasonable times to inspect and test any portion of the work or examine the materials and workmanship of the structures during their manufacture and test. The contractor shall give due notice in writing to the PMG committee and Army Public School, Ambala Cantt when the materials supplied to be incorporated in the work are ready for Inspection and test. No material shall be incorporated in the work until PMG committee certified in writing that such materials have been inspected and approved by him or else the rejected material should be removed from site immediately.
10. The Contractor shall closely scrutinize all the drawings issued in connection with the work by this organization and bring to the notice of the PMG if any discrepancies, omissions in the drawings before undertaking the actual work pertaining thereto.
11. **Progress of work** - The contractor should submit in advance every fortnight a detailed programme of work to be undertaken from time to time strictly in conformities with the "Time and Progress Chart" covering the entire constructed work and reschedule them wherever necessary during the progress of the work so as to achieve the target set.
12. The contractor should extend full co-operation to the other contractors who may be doing other works in the same areas to enable them to execute their portions of work without any delay or difficulty.

Proprietor/Partner of The Firm _____

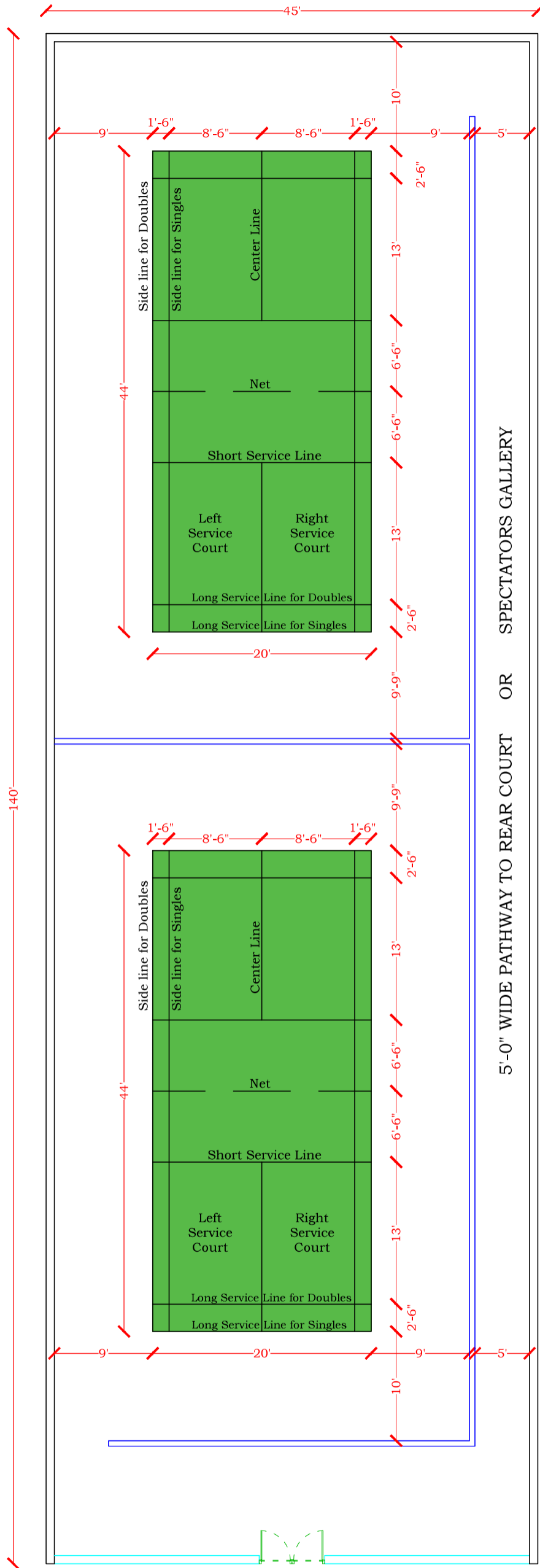
COMMERCIAL/FINANCIAL BID

Ser No	Item Description	Qty	Basic Rates	GST % & amount	Total amount with Taxes	Total amount in words
	Construction of MS Shed made out of MS pipe structure heavy duty shed of size 140'x 45'x 30' with PPGI sheet at Senior Wing of Army Public School, Ambala Cantt. All side closed with PPGI sheet including roof covered with insulation Bubble Wrap sheet as per specification, dimensions and drawing given as per details specified and directed by the school.	One				

Station : Ambala Cantt

Dated : 2025

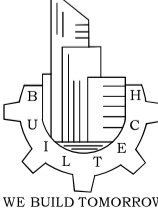
 (Sig of Proprietor/Partner of the Firm)



PROJECT :
**SHED OF
 SIZE 140'x45'x30'** AT
 SENIOR WING,
 ARMY PUBLIC SCHOOL,
 AMBALA CANTT.

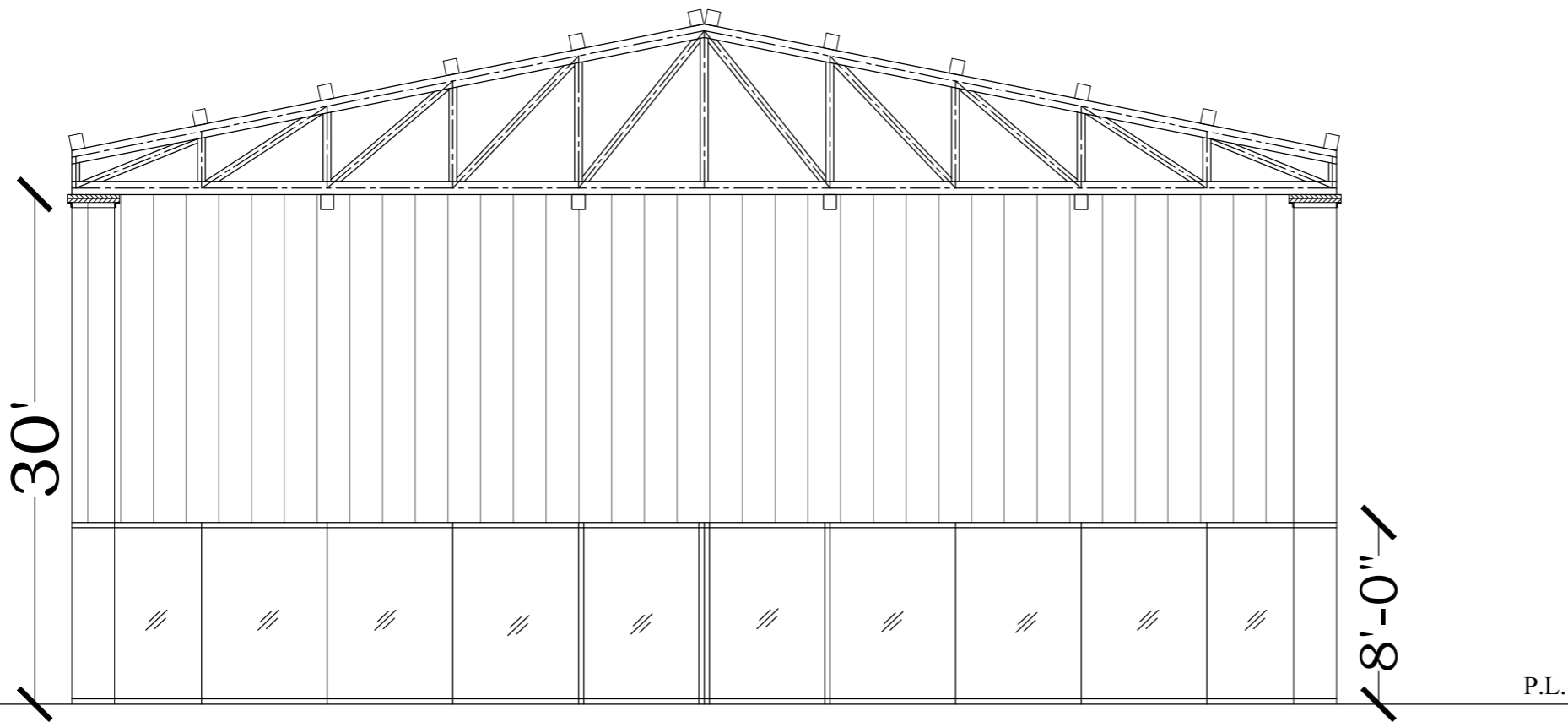
TITLE :
 GROUND FLOOR PLAN

DRAWING NO. :	REVISION :
PLAN-01	R0
DATE :	SCALE :
04.02.2025	N.T.S.

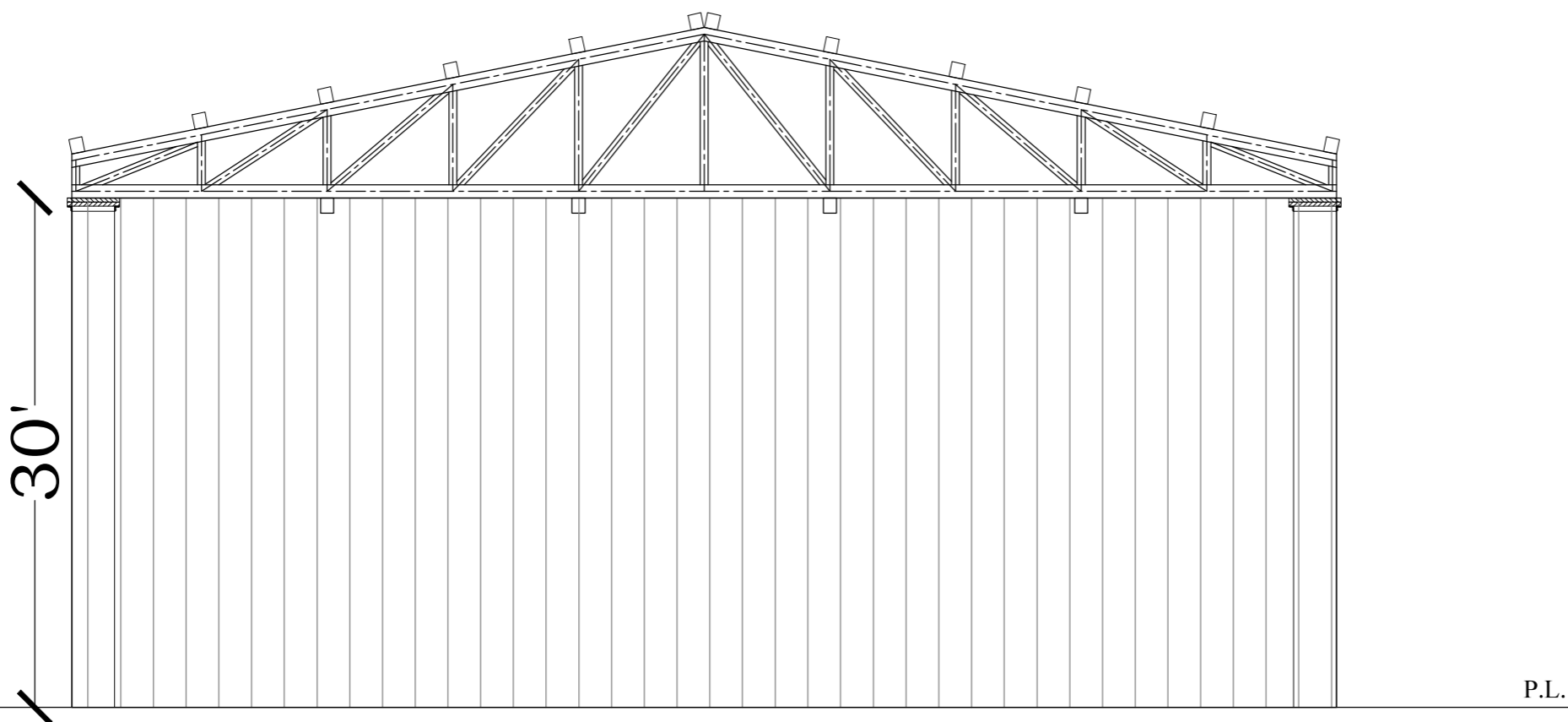


BUILTECH ENGINEERING SERVICES
 Deals In : Structural Design, DPR, Analysis & Audit

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 builtechenggservices@gmail.com




FRONT ELEVATION



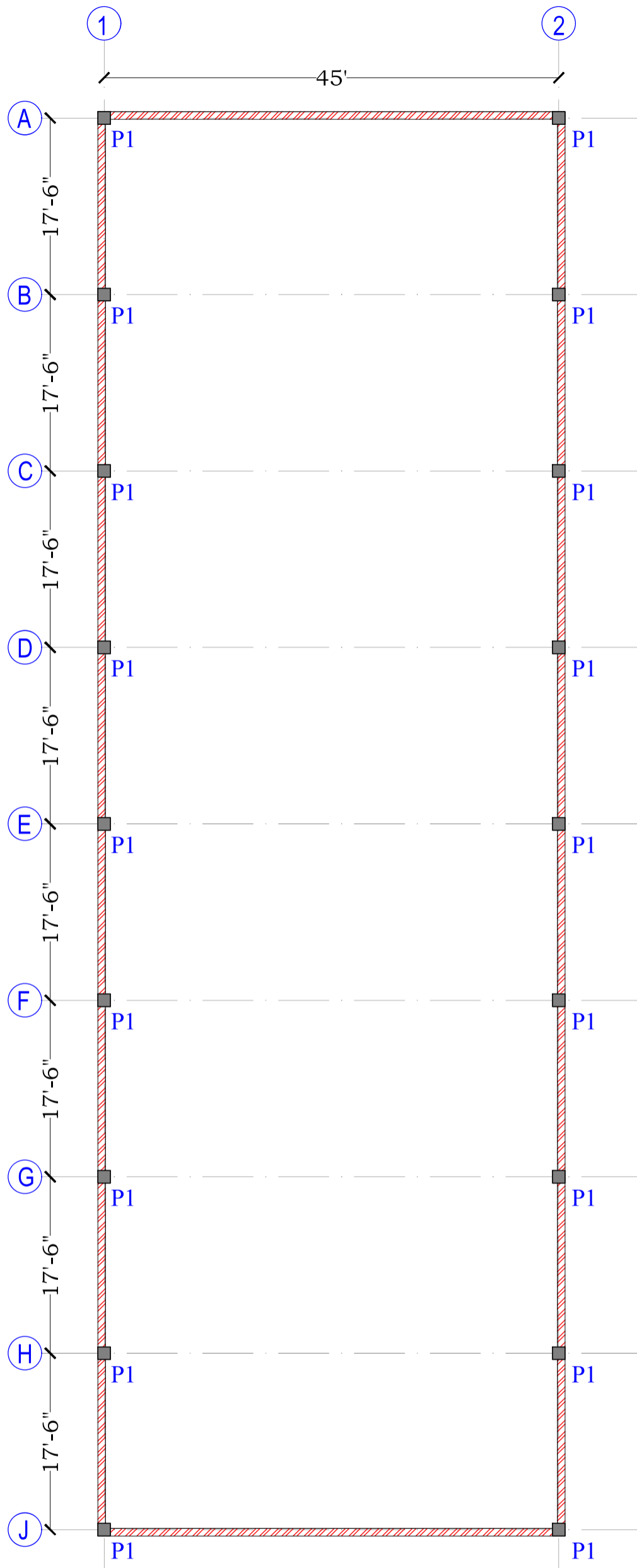
REAR ELEVATION

PROJECT :		SHED OF SIZE 140'x45'x30' AT SENIOR WING, ARMY PUBLIC SCHOOL, AMBALA CANTT.	
TITLE :		ELEVATIONS	
DRAWING NO. : PLAN-02		REVISION : R0	
DATE : 04.02.2025		SCALE : N.T.S.	

BUILTECH ENGINEERING SERVICES
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 WE BUILD TOMORROW

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 builtechservices@gmail.com



NOTES:-

1. FOR CENTER LINE DIMENSIONS REFER ARCHITECTURAL DRAWINGS.
2. DIMENSIONS ARE TO BE READ AND NOT TO BE SCALED.
3. FOR FOUNDATION DESIGNS , NET ALLOWABLE BEARING CAPACITY OF SOIL HAS BEEN TAKEN AS 6.0 T/M² AT 1.50 M DEPTH OF FOUNDATION.. IN CASE OF VARIATION AT SITE REFER THE MATTER TO DESIGN ENGINEER.
4. THE FOUNDATION SHALL REST ON FIRM SOIL. IN CASE ANY LOOSE POCKET IS ENCOUNTERED THE STRUCTURAL ENGINEER SHALL BE CONSULTED. EXCAVATED SURFACE, HOWEVER SHALL BE WATERED AND COMPACTED PRIOR TO LAYING OF CONCRETE.
5. CEMENT CONCRETE : M-20 GRADE HAVING CUBE CRUSHING STRENGTH OF 220 KG /CM² AFTER 28 DAYS OF CURING.
6. REINFORCEMENT : TMT BARS OF GRADE Fe 500 D HAVING YIELD STRENGTH OF 5000 KG/ CM² AND CONFORMING TO IS 1786-1985 (WITH LATEST AMENDMENT)
7. CLEAR COVER OF CONCRETE TO REINFORCING BARS :
SLAB = 20MM, BEAMS = 25MM ,
COLUMNS/ WALLS = 40 MM , FOOTING = 50MM
8. LAPS IN REINFORCING BARS = 48 X DIA OF BARS.
(A) FOR COLUMNS : LAPS TO BE STAGGERED IN 2 STAGES & AVOIDED NEAR JUNCTION (AS PER DUCTILITY DIAGRAM).
(B) FOR BEAMS : LAPS TO BE AVOIDED NEAR MID SPAN.
9. FOR CHANGE OF DIA OF BAR(S): PROVIDE EQUIVALENT AREA IN CASE OF BARS OF SMALLER DIA AND EQUIVALENT PERIMETER IN CASE OF BARS OF HIGHER DIA.
10. LEAN CONCRETE 1:4:8 SHALL PROJECT BEYOND RCC BY 3".
11. STRUCTURE IS DESIGNED AS PER INDIAN STANDARD CODES, IS 456 & IS 1893 (WITH LATEST AMENDMENTS).

PEDESTAL P1 (15"x15")	
SIZE & SHAPE	REINFORCEMENT
	<p>VERT STEEL; BAR NO. 1 TO 4 -20mm Ø BAR NO. 5 TO 8 -16mm Ø</p> <p>TIES: 8mm Ø @ 125mm c/c</p>

COLUMN LAYOUT PLAN

PROJECT :
**SHED OF
SIZE 140'x45'x30'** AT
SENIOR WING,
ARMY PUBLIC SCHOOL,
AMBALA CANTT.

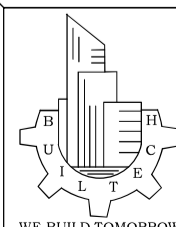
TITLE :
COLUMN LAYOUT PLAN

DRAWING NO. :
STR-01

DATE :
04.02.2025

REVISION :
R0

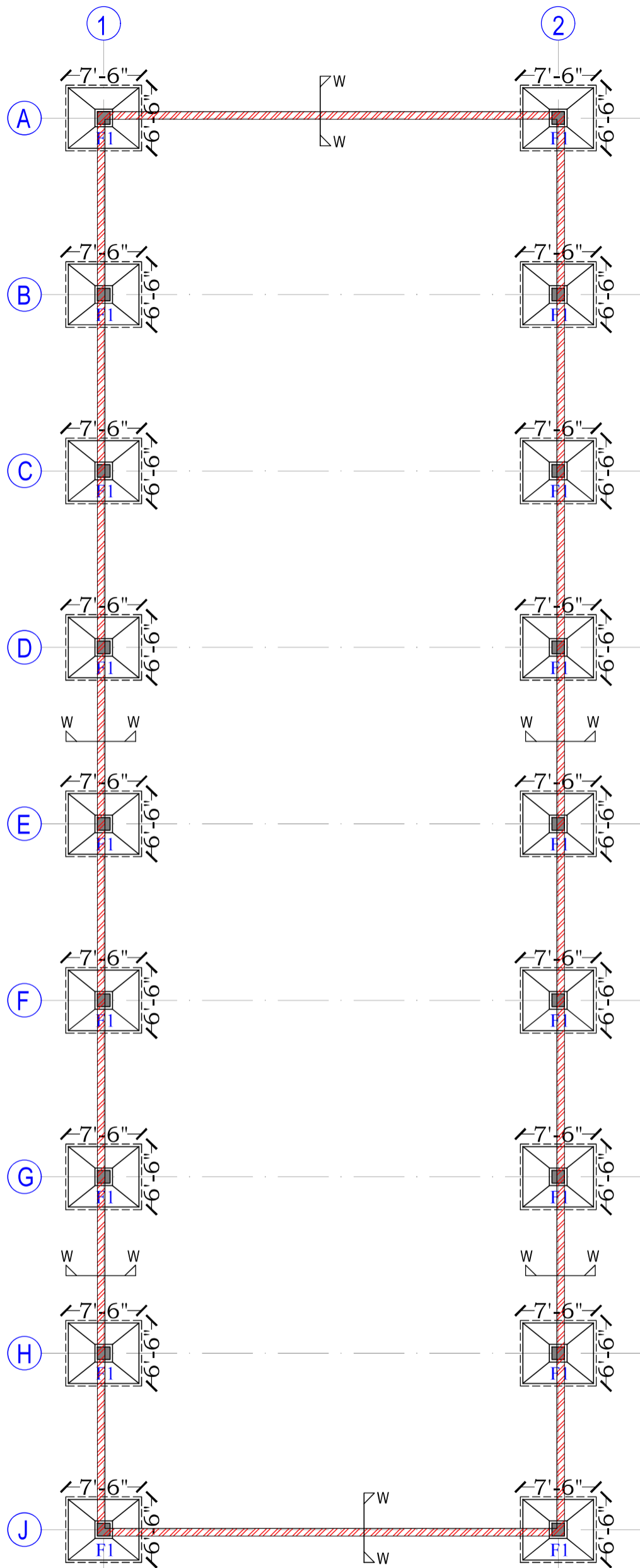
SCALE :
N.T.S.



BUILTECH ENGINEERING SERVICES

Deals In : Structural Design, DPR, Analysis & Audit

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bUILTECHENGGSERVICES@gmail.com



FOUNDATION PLAN

PROJECT :

**SHED OF
SIZE 140'x45'x30'** AT
SENIOR WING,
ARMY PUBLIC SCHOOL,
AMBALA CANTT.

TITLE :

FOUNDATION PLAN

DRAWING NO. :

STR-02

DATE :

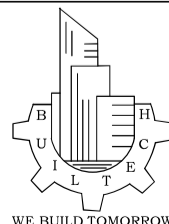
04.02.2025

REVISION :

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SCALE :

N.T.S.



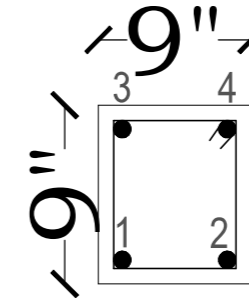
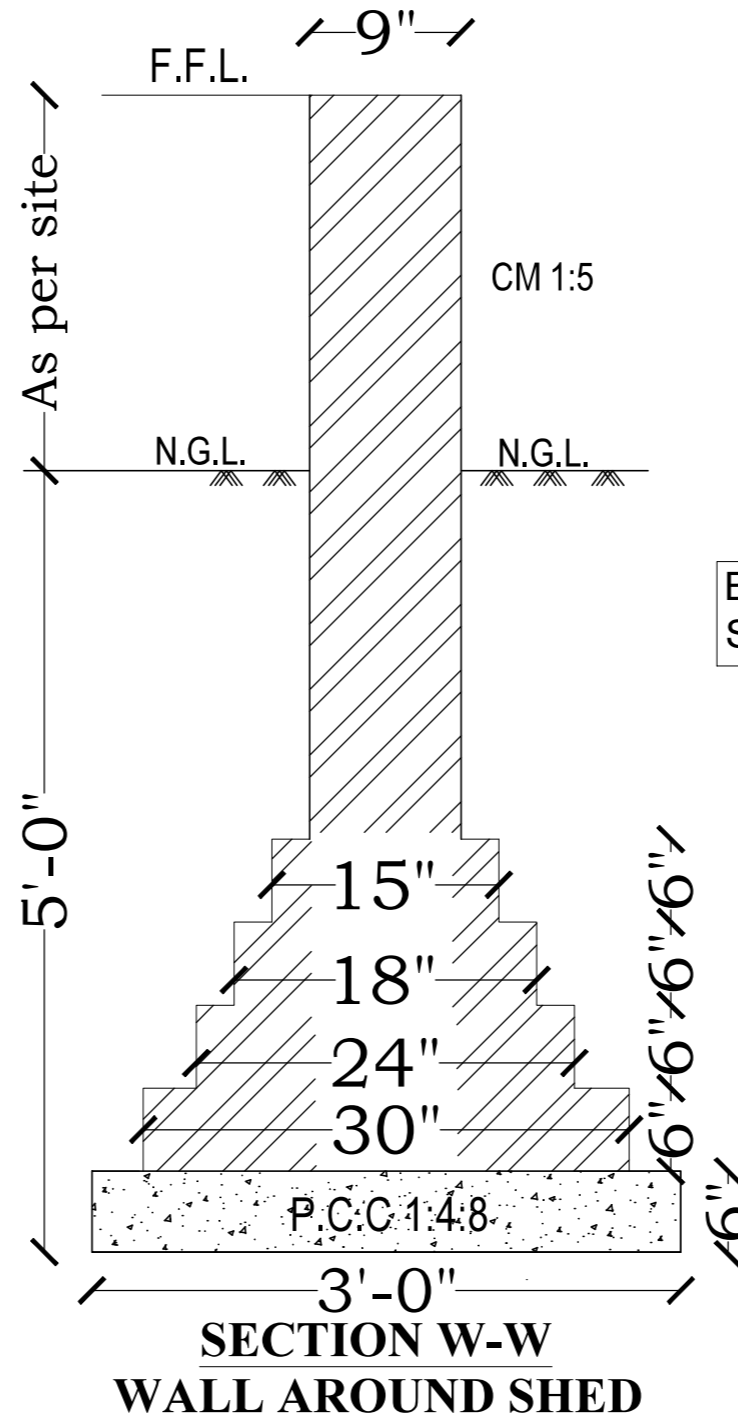
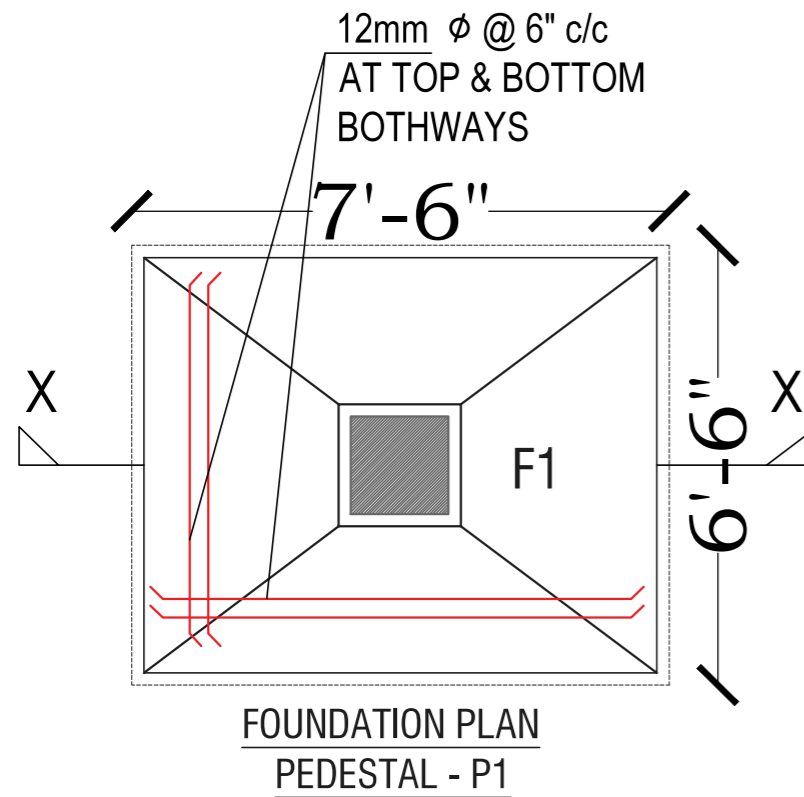
BUILTECH ENGINEERING SERVICES

Deals In : Structural Design, DPR, Analysis & Audit

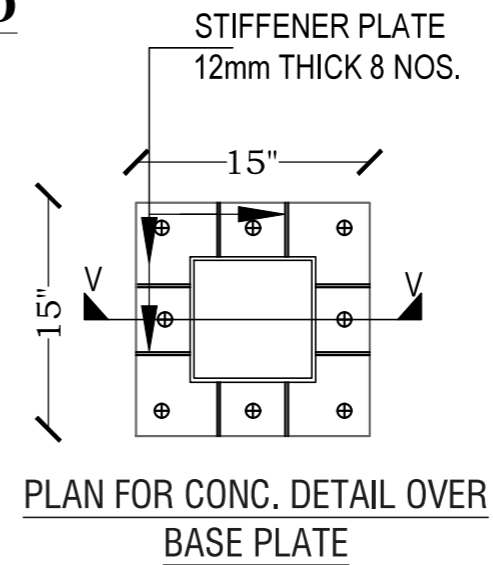
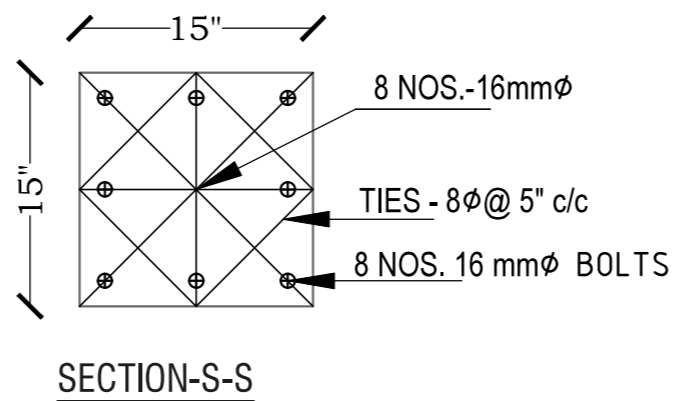
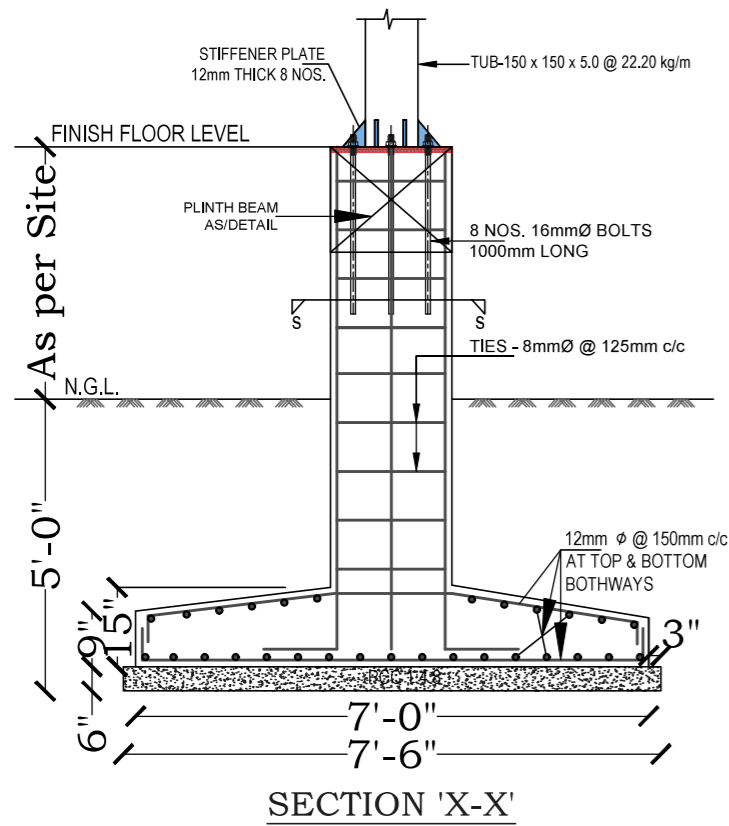
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builtechenggservices@gmail.com



BAR NO: 1,2,3,4 = 12MMØ
STPS : 2L-8mmØ @ 6" c/c
PB-1
AT NGL



PROJECT : **SHED OF
SIZE 140'x45'x30'** AT
SENIOR WING,
ARMY PUBLIC SCHOOL,
AMBALA CANTT.

TITLE : FOUNDATION DETAILS

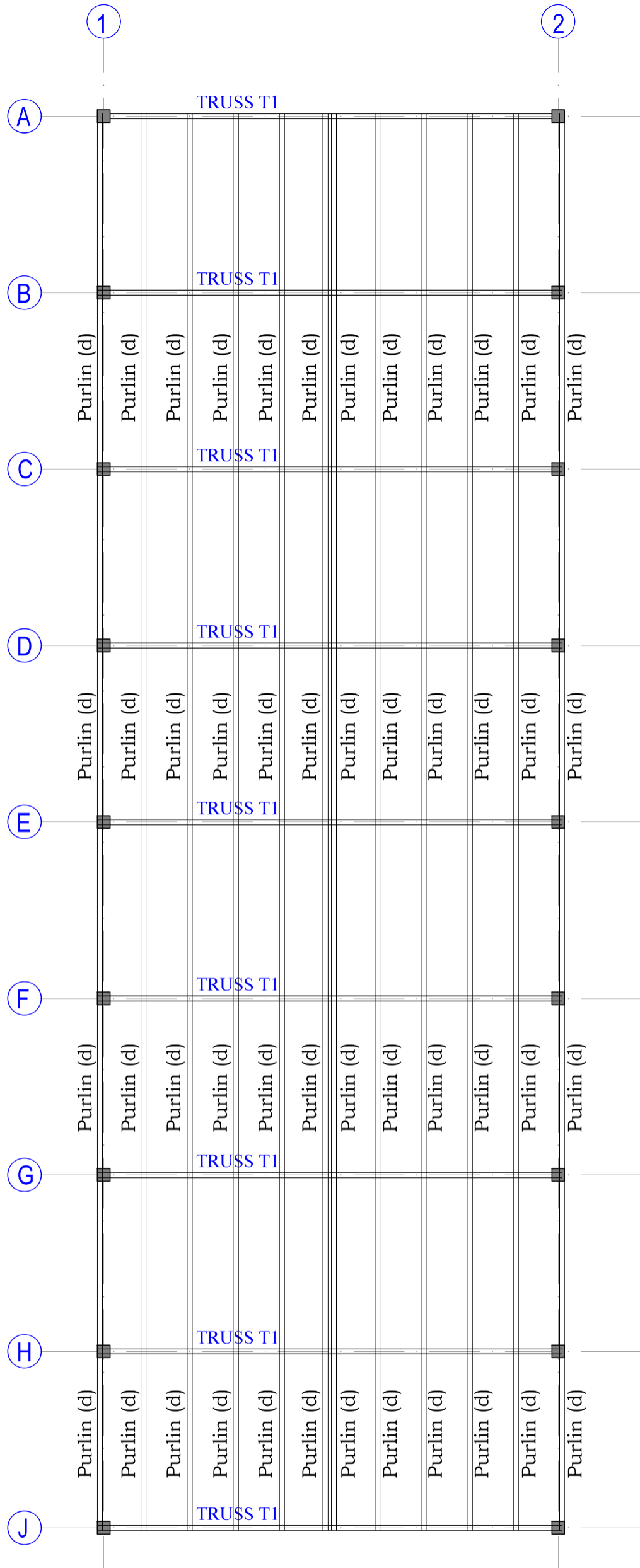
DRAWING NO. : STR-03 REVISION : R0

DATE : 04.02.2025 SCALE : N.T.S.

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TRUSS TOP PLAN

PROJECT :
**SHED OF
 SIZE 140'x45'x30'** AT
 SENIOR WING,
 ARMY PUBLIC SCHOOL,
 AMBALA CANTT.

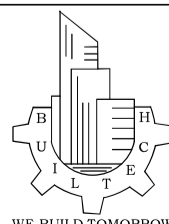
TITLE :
 TRUSS TOP PLAN

DRAWING NO. :
 STR-04

DATE :
 04.02.2025

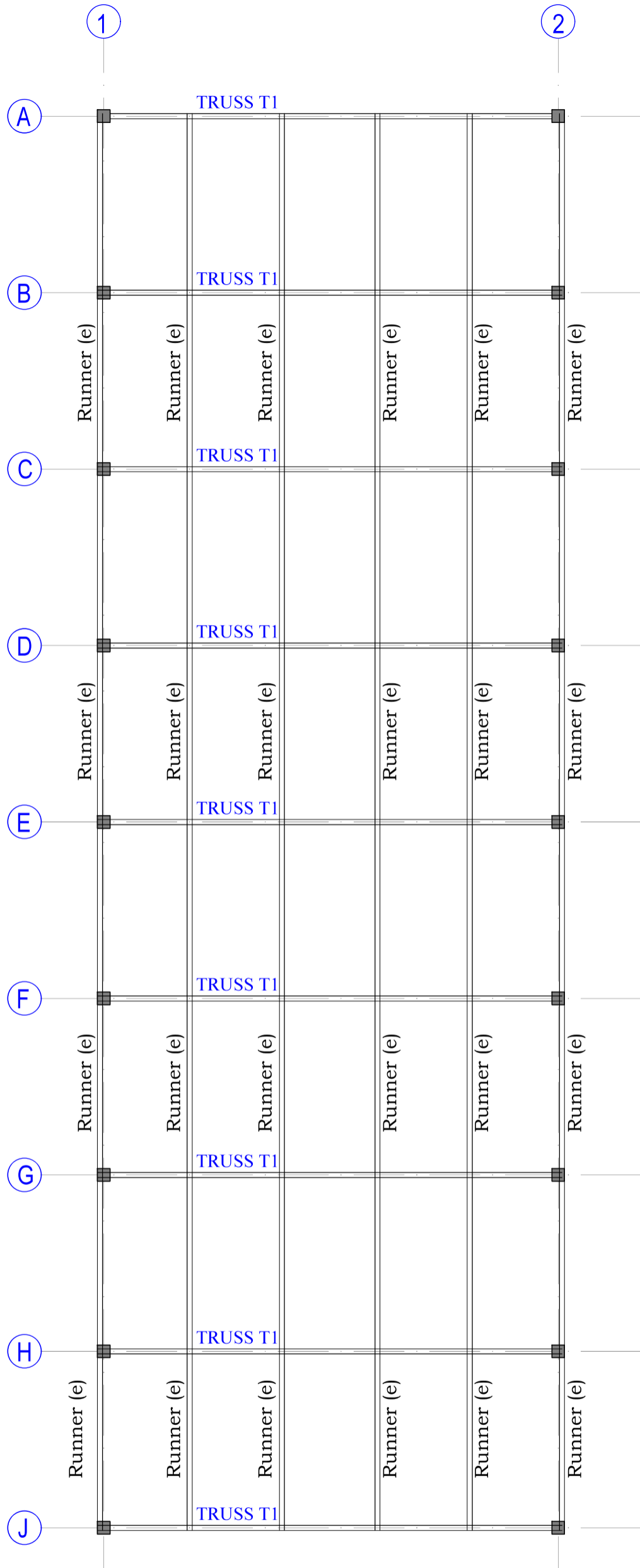
REVISION :
 R0

SCALE :
 N.T.S.



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 builtechenggservices@gmail.com



TRUSS BOTTOM PLAN

PROJECT :
**SHED OF
 SIZE 140'x45'x30'** AT
 SENIOR WING,
 ARMY PUBLIC SCHOOL,
 AMBALA CANTT.

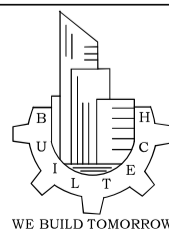
TITLE :
 TRUSS BOTTOM PLAN

DRAWING NO. :
 STR-05

DATE :
 04.02.2025

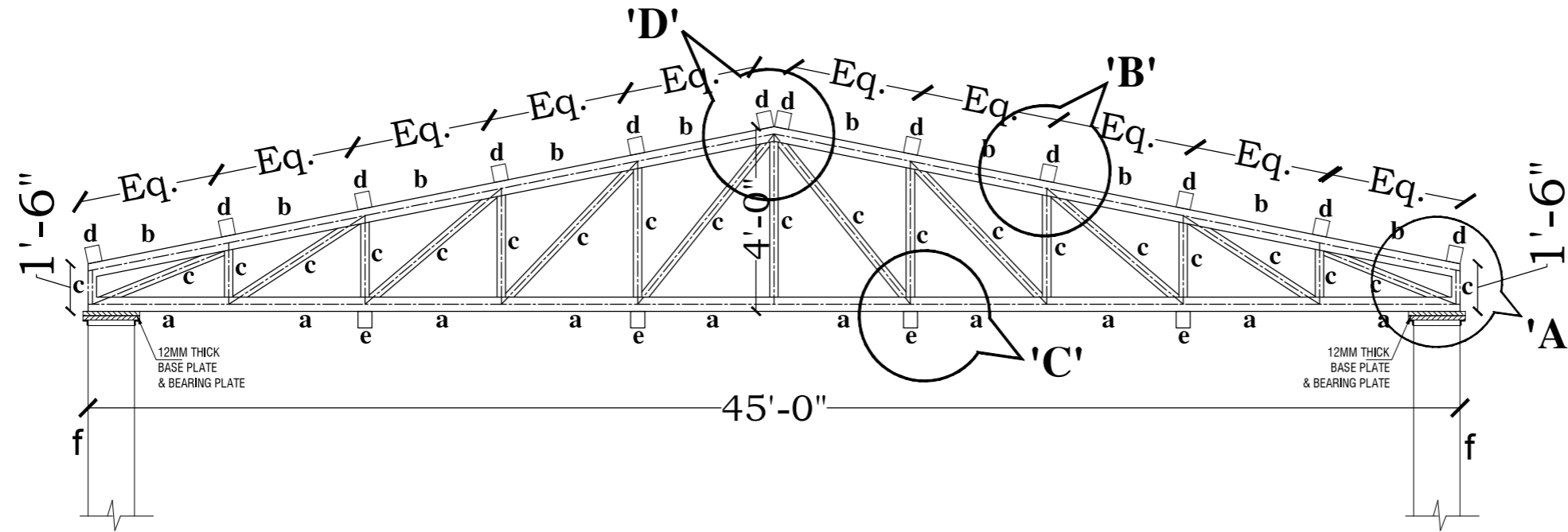
REVISION :
 R0

SCALE :
 N.T.S.



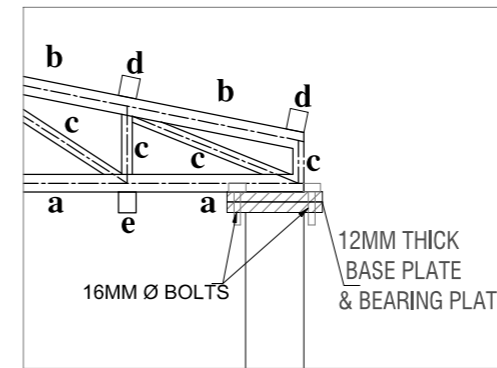
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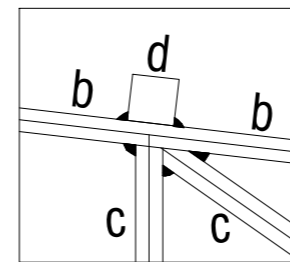


SECTION OF TRUSS-T1

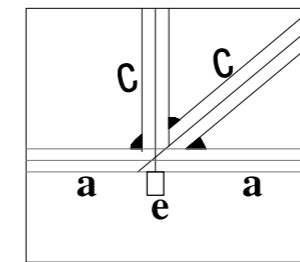
DETAILS OF TRUSS MEMBERS			
TYPE	MEMBER	THICK (mm)	WEIGHT (Kg/m)
a	TUBE 96 X 48 X 4.00 THICK (BOTTOM MEMBER)	4.00	8.22
b	TUBE 122 X 61 X 3.60 THICK (TOP MEMBER)	3.60	9.67
c	TUBE 40 X 40 X 3.2 THICK	3.20	3.49
d	TUBE 140 X 80 X 4.50 THICK (Purlin)	4.50	14.50
e	TUBE 96 X 48 X 4.00 THICK (Runner)	4.00	8.22
f	TUBE 150 x 150 x 5.0 THICK (Vertical)	5.00	22.20



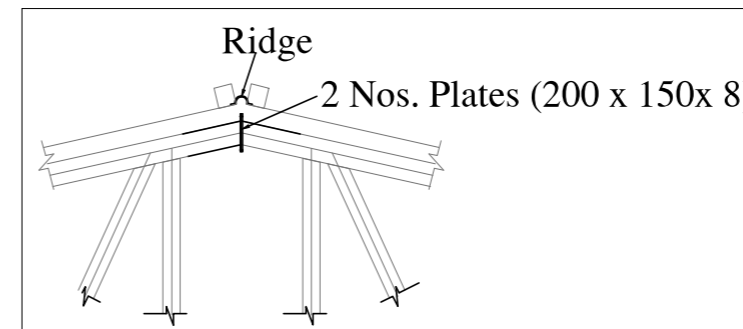
DETAIL AT A



DETAIL AT B



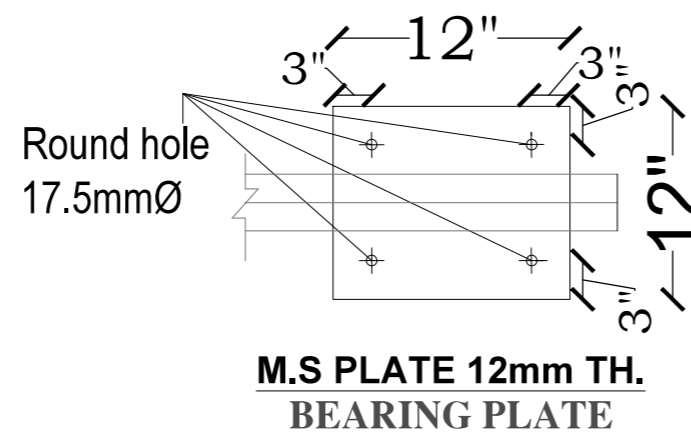
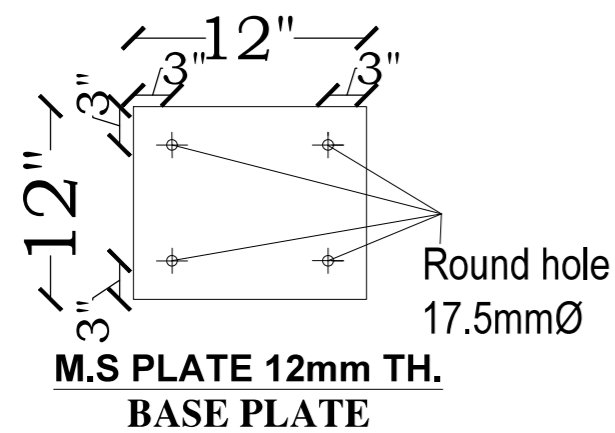
DETAIL AT C



DETAIL AT D

NOTES: -

1. STRUCTURAL STEEL SHALL BE CONFORMED TO IS 226.
2. WELDING SHALL BE CONFORMED TO IS 816
3. FABRICATION & ERRECTION SHALL BE IN ACCORDANCE TO IS 800
4. DIMENSIONS ARE TO BE READ & NOT TO BE SCALED OFF
5. ALL WELDS ARE 6MM Th.
6. GRADE OF CONCRETE SHALL BE M20.



PROJECT : **SHED OF SIZE 140'x45'x30' AT SENIOR WING, ARMY PUBLIC SCHOOL, AMBALA CANTT.**

TITLE : TRUSS DETAILS

DRAWING NO. : STR-06 REVISION : R0

DATE : 04.02.2025 SCALE : N.T.S.

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