



Chhattisgarh State Renewable Energy Development Agency (CREDA)

(Dept. of Energy, Govt. of Chhattisgarh)

Near Energy Education Park, Village Fundhar

VIP (Air Port Road) Raipur 492015 (C.G.)

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TENDER DOCUMENT No. 194577/CREDA/REPAIR AND MAINTENANCE/2026-27 Dated: 01-07-2026

E-Tender for standardization of Rates for supply and installation of Submersible/Surface Pumps (AC/DC), Controller of various capacities and make, HDPE pipe, Module Mounting Structure, Water distribution material along with other BOS of solar irrigation pump installed under various phases of "SAUR SUJLA SCHEME" & Solar dual and drinking water pump installed under JIM and others scheme anywhere in the state of Chhattisgarh for repair and maintenance work.

Particulars	From Date & Time	To Date & Time	Place
Date of issue of notice inviting bid	01.07.2026 05:00 PM	—	—
Period of availability of bidding document at website	01.07.2026 05:00 PM	21.07.2026 05:00 PM	www.creda.co.in ; http://eproc.cgstate.gov.in
Submission of Pre- Bid queries	01.07.2026 05:00 PM	07.07.2026 05:00 PM	Pre Bid queries can be emailed on credatendercell@gmail.com or to be submitted hard copy at CREDA head office, Raipur
Pre-bid meeting	09.07.2026 12:00 PM	09.07.2026 02:00 PM	To be held at Conference Hall CREDA HO, Raipur
Inspection of Samples by tender Committee as per Valid Test Report and Submission of Summary of Test Report and M.A.F	13.07.2026 3:00 PM	13.07.2026 05:00 PM	To be held at Conference Hall CREDA HO, Raipur
Submission of Online Bid (Technical + e-Price Bid) and Submission of Documents in hard copy	01.07.2026 05:00 PM	21.07.2026 05:00 PM	http://eproc.cgstate.gov.in and at H.O. CREDA Raipur (C.G.),
Online Opening of Technical Bid	23.07.2026 03:00 PM Onwards		At CREDA H.O., Raipur (C.G.) Conference Hall, Raipur, (http://eproc.cgstate.gov.in)
Evaluation of technical bid	27.07.2026 12:00 PM Onwards		At Conference Hall, CREDA H.O., Raipur (C.G.)
Opening of e- Price Bid	29.07.2026 03:00 PM Onwards		At CREDA H.O., Conference Hall, Raipur.

Tender Document Cost- Rs.5,000.00 + 18% GST = Rs.5,900.00 (In words Rupees Five Thousand Nine Hundred Only)

E.M.D.- Rs.1,50,000.00 (In words Rupees One Lakh Fifty Thousand Only) for all bidders to be deposited in CREDA's account via Demand Draft/ Pay Order or RTGS / NEFT.

Document can also be downloaded from our website www.creda.co.in with the cost of tender as mentioned in NIT, which shall have to be deposited along with the tender document.

CHATTISGARH STATE RENEWABLE ENERGY DEVELOPMENT AGENCY

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NIT Ref. No.3668/CREDA/Repair & Maintenance/2026-27

Date: 01.07.2026

NOTICE INVITING TENDER

CREDA Invites Online E-Tender for standardization of Rates for supply and installation of Submersible/Surface Pumps (AC/DC), Controller of various capacities and make, HDPE pipe, Module Mounting Structure, Water distribution material along with other BOS of solar irrigation pump installed under various phases of "SAUR SUJLA SCHEME" & Solar dual and drinking water pump installed under JJM and others scheme anywhere in the state of Chhattisgarh for repair and maintenance work from registered Vendors/manufacturer/OEM or its authorized dealer/distributor/representative in CREDA with 03 years track record in the solar pumping sector as per following details -

S.No	Item Description	Cost of Tender Document	EMD	Essentials
01	Standardization of Rates for supply and installation of Submersible/Surface Pumps (AC/DC), Controller of various capacities and make, HDPE pipe, Module Mounting Structure, Water distribution material along with other BOS of solar irrigation pump installed under various phases of "SAUR SUJLA SCHEME" & Solar dual and drinking water pump installed under JJM and others scheme anywhere in the state of Chhattisgarh for repair and maintenance work	Rs.5000+18%GST =Rs.5900	Rs.1,50,000.00	As per section -01" Eligibility Criteria" clause1(a) to 1(h)
TOTAL		Rs.5900.00	Rs.1,50,000.00	---

The quantity of work and purchase under above may vary as per actual site conditions & proposal received from field offices of CREDA.

Estimated value of Tender: -5 Cr

Important Events and time schedule for this tender are as follows:-

Particulars	From Date & Time	To Date & Time	Place
Date of issue of notice inviting bid	01.07.2026 05:00 PM	---	---
Period of availability of bidding document at website	01.07.2026 05:00 PM	21.07.2026 05:00 PM	www.creda.co.in ; https://eproc.cgstate.gov.in
Submission of Pre- Bid queries	01.07.2026 05:00 PM	07.07.2026 05:00 PM	Pre Bid queries can be emailed on credatendercell@gmail.com or to be submitted hard copy at CREDA head office, Raipur
Pre-bid meeting	09.07.2026 12:00 PM	09.07.2026 02:00 PM	To be held at Conference Hall CREDA HQ, Raipur
Inspection of Samples by Tender Committee as per Valid Test Report and Submission of Summary of Test Report and M.A.F	13.07.2026 3:00 PM	13.07.2026 05:00 PM	To be held at Conference Hall CREDA HQ, Raipur
Submission of Online Bid (Technical + e-Price Bid) and Submission of Documents in hard copy	01.07.2026 05:00 PM	21.07.2026 05:00 PM	https://eproc.cgstate.gov.in and at H.O. CREDA Raipur (C.G.).
Online Opening of Technical Bid	23.07.2026 03:00 PM Onwards		At CREDA H.O., Raipur (C.G.) Conference Hall, Raipur. (https://eproc.cgstate.gov.in)
Evaluation of technical bid	27.07.2026 12:00 PM Onwards		At Conference Hall, CREDA H.O., Raipur (C.G.)
Opening of e- Price Bid	29.07.2026 03:00 PM Onwards		At CREDA H.O., Conference Hall, Raipur.

Technical Bid and Price Bid shall be submitted online only at <https://www.eproc.cgstate.gov.in>. However Technical Bid (as per the checklist) also has to be submitted in hard copy duly signed by bidder at H.O. Tender Cell, CREDA. If there is any discrepancy in the e-Bid and hard copy, only the e-bid shall be valid. **In no case the hard copy of documents shall be evaluated, it is only for record keeping of CREDA.** Bidders are advised to follow the instructions provided for registration and e-Submission process accordingly.

(For any query about e-bidding please visit user manual at <https://www.eproc.cgstate.gov.in>) Details of this tender are mentioned at Tender Documents which can be downloaded from our website www.creda.co.in.

The Bidder shall have to deposit tender document cost along with EMD as mentioned above through demand draft/RTGS/NEFT payable to CREDA Raipur while submitting tender.

Bidders are requested to submit their suggestions/objections/reservations, if any with details so as to avoid any confusion and to ensure clarity and transparency regarding the tender in writing or by e-mail.

Any Addendum/Corrigendum/Amendment Notice, if needed, shall be uploaded on CREDA's Website.

CREDA reserves all rights to accept/reject any or all tenders in full/part without assigning any reasons thereof.

**Chief Engineer
H.O. CREDA, Raipur (CG)**

CHECK LIST OF DOCUMENTS TO BE UPLOADED IN THE E-BIDDING PORTAL

To ensure that your Bid uploaded on the Chhattisgarh e-Procurement portal i.e. <https://eproc.cgstate.gov.in> is complete in all respects, please go through the following checklist & tick mark for the enclosures attached with your Bid –

Sl. No.	Envelope	Description of documents to be uploaded in the e-bidding portal	Complied (Yes/ No)	(Page No.)
1	A. Pre-Qualification	EMD and Tender Document Fee submission form of the bidder confirmed by CREDA. (as on page – 6)		
2		Scanned Copy of Undertaking of the Bidder as mentioned on Page – 7 of the tender document on the letter head of bidder.		
3		Scanned copy of original tender document duly signed & with stamp on each page, as a confirmation of acceptance of the Terms & Conditions (T&C).		
4		PAN, GSTIN issued in the name of the bidder.		
5		Self-certificate from Bidder for not been debarred/blacklisted from any Government organization.		
6		Declaration of conflict of interest - by bidder about any relatives working/not working with CREDA along with notarized Affidavit. (Annexure I) (Hard Copy to be submitted as per Clause 29, Section – 2)		
7		Copy of Registration Certificate as Vendor/manufacturer or its authorized dealer/distributor for supply of pump, controller & other spare material in CREDA valid at the time of submission of bid if not registered the he shall have to get registered himself prior to contract agreement		
8	B. Technical and Financial	Attested copy of Original Net Worth Certificate duly signed by Chartered Accountant as on 31st March 2025/2026.		
9		Attested copy of Original Turn Over certificate in last three Consecutive financial year i.e. 2022-23, 2023-24, 2024-25 / 2025-26		
10		Copy of ITRs for in last 03 financial years i.e. 2022-23, 2023-24, 2024-25 / 2025-26 of the Bidder.		
11		Experience Certificates of working in the solar pumping sector for any three years out of last five consecutive financial years i.e. 2021-22, 2022-23, 2023-24, 2024-25 & 2025-26 as per tender terms and conditions		
12		Valid Test Report issued by the National Institute of Solar Energy and any other lab accredited by NABL or any Govt or Manufacture Authorization certificates of SPV Module/Pump/ Controller /BOS		
13		Technical Data Sheet for each component showing full technical details.		
14	C	Supporting Document for Price Bid mentioned at Page No. 38-40(to be uploaded in Excel format only)		

Details of EMD and Tender fee attached

Tender No. and Date		
Name of the Bidder		
Bidder's Bank Account Details		
(i) Name of the bank		
(ii) Branch		
(iii) IFS Code		
(iv) Account No.		
(v) Transaction reference number	EMD - _____	; Bid Document Fee - _____
(vi) Date of transaction	EMD - _____	; Bid Document Fee - _____
(vii) EMD	Rs. _____/- In Words (Rs. _____)	
(viii) Bid Document Fee	Rs. _____/- In Words (Rs. _____)	

Name	CREDA
Bank & Branch Name	ICICI Bank, Panchpedi Naka, Raipur
Bank Account Number	134601000400
Branch IFS Code	ICIC0001346

(Sign & Seal of the bidder)

***NOTE -**

1. The EMD and the Tender Document Fee shall have to be deposited as mentioned in the NIT in CREDA's bank account (amount mentioned above). Bidder shall have to upload the transaction details as above or a scanned copy of the DD (if transaction is done through DD)
2. In case the transaction is done through DD, the original DD has to be submitted in envelope A as per Clause 6(d).

UNDERTAKING OF THE BIDDER**(To be submitted on letter head)**

I/We have read carefully and examined the notice inviting tender, schedule, General Rules and terms and conditions of the contract, special conditions, Schedule of Rates and other documents and Rules referred to in the tender document for the supply.

I/We hereby tender my rates for the execution of the work for CREDA as specified within the time stipulated in the schedule in accordance with all aspects with the specifications, designs, drawings and instructions with such conditions so far as applicable.

I/We agree to keep the tender valid for **One Hundred Eighty (180) days** from the due date of submission thereof and not to make any modifications in its terms and conditions.

A sum of **Rs. One Lacs Fifty Thousand Rupees** is hereby forwarded as **Earnest Money** in the form of crossed Demand draft/Pay order or RTGS / NEFT payable to CREDA at Raipur (C.G.). If I/We fail to commence or complete the sanction ordered in specified time or fail to fulfil the any condition of tender document, I/We agree that the CREDA shall, without prejudice to any other right or remedy, be at liberty to forfeit the said Earnest Money absolutely. The said Earnest Money shall be retained by CREDA towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be required by CREDA.

I/We hereby declare that I/We shall treat the tender documents, specifications and other records connected with the work as secret/confidential and shall not communicate information derived there from to any person other than a person to whom I/We have authorized to communicate the same or use the information in any manner prejudicial to the safety of CREDA/Government.

I/We shall abide to all the laws and shall be responsible for making payments of all the taxes, duties, levies and other Govt. dues etc. to the appropriate Govt. departments.

Our GST Registration No. _____, The PAN No. under the Income Tax Act is _____. The GST Clearance certificate is attached herewith.

I/We shall be responsible for the payment of the respective taxes to the appropriate authorities and should I/we fail to do so, I/we hereby authorize CREDA to recover the taxes due from us and deposit the same with the appropriate authorities on their demand.

I/We declare that none of our relatives is working in CREDA either on Regular/Contract/Placement basis or I/We don't have any partnership/ subcontract obligation with any employee working in CREDA at present, directly or indirectly, and we will not enter in such obligation in future also. If any breach of declaration is found, then we shall be responsible for our debarment and any other action taken by CREDA.

Dated:

Signature

Place:

Name of bidder with seal_____**Witness:**

Signature:

Name:

Postal Address:

SECTION - 1

INSTRUCTIONS FOR BIDDERS

1. ELIGIBILITY CRITERIA:

a. MINIMUM EXPERIENCE

Bidders should have worked experience of minimum three years out of last five consecutive financial years i.e. 2021-22, 2022-23, 2023-24, 2024-25 & 2025-26 in solar pumping sector i.e. manufacturing and supply of pumps, controllers and other BOS including installation of solar pumps both for irrigation and drinking water pumps in any Govt. agencies/Govt. Undertaking/Department of any state in India.

b. Experience Certificates submitted should be in a proper format and shall be considered only in-case of submitted in Hindi / English Language only. Work order, L.O.I. / L.O.A etc., will not be acceptable.

c. Bidders must have a Positive Net worth as on 31st March 2025/2026 (which is defined as "Net value of the Assets minus (-) Net value of liabilities"). They shall have to submit a attested copy of Original Certificate duly signed by a qualified and registered Chartered Accountant having UDI number as a proof. Produced certificate must tally with the audited balance sheet/CA certificate.

d. Bidders should have an aggregate turnover of minimum 3.00 Crores in last three financial years i.e. 2022-23, 2023-24, 2024-25/2025-26 in solar pumping sector. Attested copy of certified copies of the annual returns and audited balance sheet submitted to the Registrar of Companies/ Income Tax Authorities should be enclosed. For the preceding years, an Original Summarized Sheet of turnover certified by registered CA must be enclosed. In case of FY 2025-26, Bidder is allowed to submit provisional balance sheet, ITR, Turnover and Net-worth Certificate. CREDA reserves the right to call for these documents once audited from such bidders anytime during the validity of the bid.

e. The OEM or its authorized dealer/distributor with minimum three years track record in pumping sector can participate in the bid.

f. Bidders who are debarred from business by Govt. /Govt. Agency in any state would not be eligible to participate in this bid. A self-declaration should be submitted by the bidder to this effect, failing which bid shall be rejected.

g. Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

- (I) Made misleading or false representations in the forms, statements, affidavits and attachments submitted in proof of the qualification requirements; and/or
- (II) Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion litigation history, or financial failures etc; and/or
- (III) Participated in the previous bidding for the same work and had quoted unreasonably high or low bid prices and could not furnish rational justification for it to CREDA.

h. Consortium/MSME/JV/Start-Up bidders is not allowed for this tender.

2. BIDDING PROCESS -

For ease of accessing the e-bidding website and registration the following is to be done by bidder -

- a. Visit <https://eprn.cgstate.gov.in>
- b. Prospective bidders are requested to download, read and understand the Manuals present on the website so as to clearly understand the bid submission process.
- c. The user will be directed to e-bidding page where all information regarding registration is available along with helpline details.

- d. Technical bid and Price Bid shall be submitted online only at <https://eproc.cgstate.gov.in> latest by 05:00 PM on 21.07.2026 Bids submitted after scheduled time and date shall not be considered.

3. EMD -

- a. Earnest Money Deposit of Rs. One Lakh Fifty Thousand submitted in the form of Demand Draft/Pay Order or RTGS/NEFT as mentioned in the NIT vide no. 3668/CREDA/REPAIR AND MAINTENANCE/2026-27 Date: 01.07.2026, EMD submitted in any other form e.g. Cash/Bank Guarantee/FDR /TDR etc. shall not be accepted.
- b. The EMD shall be released to the bidder only after the expiry of tender.

4. SUBMISSION OF DOCUMENTS -

- a. All the documents including technical and financial Bid should be submitted online on Chhattisgarh e-Procurement portal <https://eproc.cgstate.gov.in> as per the items mentioned in the Checklist on page no. 05 in this bid.
- b. Bidders are advised to finish all the bidding portal related activities such as registration, USB certificate/token approval, and payments etc. well in advance so as to avoid last minute difficulties during the bid submission.
- c. Bidders are also advised to make them fully aware with the bid submission mechanism to avoid last minute hassles and doubts during bid submission. CREDA shall only entertain genuine technical issues/glitches, provided that the bidder submits evidence regarding the same.
- d. Additionally, the bidders shall also have to submit all the documents in hard copy, as required in this bid as per the checklist on page 05 on **21-07-2026 by 05:00 P.M** at Head Office, CREDA. Bidders shall have to submit only the documents as per the checklist in the following envelopes:
- Envelope A - Pre Qualification Documents (original DD should be submitted in this envelope)
 - Envelope B - Financial Qualification Documents.
 - Envelope C - Technical Qualification Documents.

Note: The envelopes mentioned above is only for hard copy submission and not to be confused with the envelope mentioned in checklist on Page no. 5. The documents submitted in hard copy (offline) to CREDA Head Office must match with those submitted in the Chhattisgarh e-Procurement portal. Any document other than the uploaded document shall not be considered. CREDA's tender committee will only evaluate the documents submitted on Chhattisgarh e-Procurement portal. In no case the hard copy of documents shall be evaluated, they are only for record keeping by CREDA.

5. SPECIFICATION AMENDMENTS -

- a. The specifications of Pumps, Pump Controller, Structures, and other BOS, etc. should be as per the original tender floated and finalized in various phases of Saur Sujla Scheme & drinking water schemes as mentioned in section-03. Other Items shall be as per specifications attached in this tender document. If any amendments are issued by CREDA in due course of time, in this context, then those shall be applicable under this bid.
- b. CREDA reserves the right to amend or change minor specifications of the entire or any component even after the issuance of work order as per the site conditions and demand.

6. GST & PAN -

Bidder shall have to submit copies of GST registration number and PAN numbers issued by the appropriate authority.

7. THE BID -

- a. The Pre-Qualification, Technical-Financial Qualification Documents and Price Bid, other related documents must be uploaded in the portal i.e. <https://eproc.cgstate.gov.in> from 01.07.2026, 05:00 PM onwards till 21.07.2026, up to 05:00 PM.
- b. Nobody is authorized to receive or grant receipt for Bid delivered on behalf of CREDA. Bid received through any other mode shall not be considered and shall be rejected.

8. ANALYSIS OF RATE AND EVALUATION OF BID -

- a. Bidder should quote their rates considering variation of site conditions and all other factors in price of different components and keeping the quantum and quality of work in mind. In the event that any bidder quotes rates that are exceptionally low or exceptionally high and are found to be unreasonable or non-workable in the opinion of CREDA, the Tender Evaluation Committee reserves the right to conduct a market survey and/or rate analysis to assess the feasibility of such rates. The findings of such survey/analysis shall be placed on record, and CREDA may reject such bid if the quoted rates are determined to be unworkable or detrimental to the satisfactory execution of the work.
- b. The L-1 Rate for each category of items will be considered as final rate however the CREDA has liberty to negotiate with the L-1 bidder in case ALR (Abnormally Low Rate) and AHR (Abnormally High Rate).

9. REGISTRATION OF BIDDER -

The bidder should be registered as Vendor/manufacturer or its authorized dealer/distributor for supply of pump, controller & other spare material in CREDA valid at the time of submission of bid if not registered the he shall have to get registered himself prior to contract agreement

10. VALIDITY OF THE BID -

Full descriptive particulars and complete specifications should accompany the offer. Offers should be kept open for acceptance for at least **180 days** from the date of opening.

After finalization of this tender the approved rates shall be valid for two years however, CREDA shall have liberty to increase or decrease this validity if needed.

11. TERMS & CONDITIONS -

- a. The terms, conditions and specifications mentioned in tender document shall be binding on the bidders and no condition or stipulation contrary to the conditions shall be acceptable.
- b. It may please be noted that the bidders who do not accept terms and conditions stipulated in this tender document, their offers shall be liable to be rejected out-rightly without assigning any reason whatsoever.
- c. Each page of tender document & enclosures shall be signed by the bidder and seal affixed. All the pages of the documents issued must be submitted along with the technical offer. In case of any corrections / alterations in the tender, the bidder should attest the same; otherwise, tenders may not be considered. In case of Consortium both the partners shall sign & seal.
- d. Bidders are also instructed to submit their tenders in properly arranged manner (with index, proper paging and with flags on important documents). Incomplete, loose, conditional or improper arranged tenders will not be accepted.

12. CREDA RESERVES THE RIGHT -

- a. To reject or accept any or all Bids fully or partly without assigning any reason on the grounds considered advantageous to CREDA, whether it is the lowest Bid or not.
- b. To split the quantities against the Bid further for the same items/work. No reason will be assigned by CREDA for this and will be binding on the Bidders.

- c. To increase or decrease the aggregate quantities as per discretion or circumstances.
- d. Due to large quantum of work & limitation of the time period for completion of the work CREDA may, if required, take consent from other eligible Bidders if they agree to work on rates approved by CREDA.
- e. CREDA may undergo agreement with those eligible Bidders who give consent to work on rates standardized by CREDA and may allocate work to them. Rates approved through this Bid may be standardized for all eligible Bids to work in year 2026-27 & 2027-28 and shall be valid till 31-03-2028. However, CREDA reserves right to curtail or extend this period.
- f. CREDA reserves the right to amend or change minor specifications of the entire or any component of SPV pumping system even after the issuance of work/supply order as per the site conditions and demand.
- g. In case of any quality and/or Operation and maintenance issue found, CREDA shall not consider the bid of respective bidder if applicable.

13. COMMUNICATIONS -

- a. All the communication between Bidder and CREDA shall be in writing. Notice sent in writing or by other electronic means shall be effective on confirmation of the transmission. Notice sent by registered post or speed post shall be effective of delivery or at expiry of normal delivery period as under taken by Postal Service.
- b. Offers through Telegraph/Fax/Emails/Post/Courier or open offers etc. received shall be summarily rejected.

14. BID DOCUMENT FEE AND EARNEST MONEY DEPOSIT -

- a. Each Bidder should submit Bid Document Fee and earnest money in the form of Demand Draft/Pay Order or RTGS/NEFT. Each bidder should submit Tender Document Fee and Earnest Money Deposit (EMD) in the form of RTGS/NEFT as single transaction only as mentioned in the TENDER No. 194577/Repair & Maintenance/2026-27 Dated 01.07.2026.
- b. Tender Document Fee and EMD submitted in any other form e.g. Cash/Bank Guarantee/FDR/TDR etc. shall not be accepted.

15. PRE-BID MEETING AND SUBMISSION OF QUERIES -

- a. All suggestions, doubts, confusion, request, queries etc., shall have to be presented to CREDA in writing or through email at credatendercell@gmail.com on or before 05:00 PM 07.07.2026. After that any representation in this regard shall not be considered.
- b. The purpose of pre-bid meeting and queries is to clarify issues and questions related to this tender that can be raised at that stage. Any amendments in the bid documents which may become necessary as a result of pre-bid meeting and queries received shall be part of original Bid document and communicated through corrigendum on CREDA website (www.creda.co.in) and on Chhattisgarh e-Procurement Portal <https://eproc.cgstate.gov.in>

16. TECHNICAL CRITERIA -

- a. Bidder must have either valid Test Report issued by the National Institute of Solar Energy and any other lab accredited by NABL or any Govt or MAF (Manufacture Authorization form) in his name or written consent from owner (hereinafter owner means manufacturer of Pump/Controller/BOS) of the test report to use such test certificate/reports for all categories of pumps & controller along with other necessary BOS material also.
- b. The technical specification of all the items for which the rate has been called under this tender shall be strictly as per the original tender of SAUR SUJLA SCHEME floated and finalized for various phases of the scheme as mentioned in section-03 & technical specification of other component should be strictly as per technical specification

mentioned in the tender document.

- c. Bidders who are debarred from business by Govt. /Govt. Agency in any state would not be eligible to participate in this bid. A self-declaration should be submitted by the bidder to this effect, failing which bid shall be rejected.
- d. The Bidder should have sufficient technically qualified and well-experienced manpower for repair and maintenance and after sales service of the systems. These details may be called by CREDA and in case there is any deficiency found the Bidder may be debarred.

17. FORFEITURE OF EARNEST MONEY DEPOSIT -

It should be clearly understood that in the event of bidder failing to enter into the agreement in the prescribed format on their quoted rates and fails to execute assigned works under any Scheme validity period of the offer, the full amount of earnest money will be forfeited and bidder shall be debarred/blacklisted for up to 03 years from future business with CREDA. CREDA's decision in this regard will be final and binding on the bidder.

18. PRICE OF SUPPLY/WORK -

- a. The Price quoted for supply & installation must be excluding GST.
- b. The GST shall be paid extra as per prevailing rate (Ministry of finance notification no. 09/2025-central tax-(rate) New Delhi dated 17.09.2025) The prices shall be filled exactly as per e-Price Bid enclosed.
- c. Any change in GST shall be applicable during the period of contract.
- d. In this regard if there is any change in the composition ratio of goods and services by any Authority/ Courts, same shall be applicable.
- e. There shall be no escalation of rates under any circumstances.

19. ENGINEERING DOCUMENT -

Bidder will have to submit Engineering Documents with technical details, drawings, Specifications of components and make etc to CREDA for approval, as and when asked by CREDA. Works may only be started out only after approval of the Engineering Document and their samples.

20. SAMPLES -

Samples of the major components/items shall have to be submitted to the CREDA in prescribed manner for inspection, verification purpose without any additional cost.

Sample to be submitted: -Pump of any category, controller, HDPE pipe of any size, Water tank material, wire rope, Submersible cable.

In case the bidders submit samples of the same OEM/manufacturer then tender committee shall evaluate and consider the sample based on tender specifications subjected to the submission of valid manufacturer authorization certificate & consent in the name of bidder specific to the tender. The decision of tender committee regarding sample acceptance shall be final and binding on all bidders.

21. INSPECTION -

CREDA reserves right to inspect the material at Godowns/Temporary Stores before dispatch and also at works sites.

22. MANDATORY DEDUCTION -

- I. CREDA shall deduct various statutory taxes like IT TDS, GST-TDS and various cases on the payment made by the beneficiaries as contribution to bidder and subsidy payable by CREDA i.e. total cost of system.
- II. WCT- This deduction will be made at the rate of 01% on the total cost (including beneficiary share) of the system.

- iii. **Royalty-** In the absence of Royalty clearance certificate royalty will be deducted at the market rate on the consumption of minor minerals like sand and aggregates.

23. **TAX OBLIGATIONS -**

CREDA shall deduct TDS for Income Tax, applicable cess on Civil Work etc. under various acts and deposited with the appropriate authority.

24. **JURISDICTION OF THE COURT -**

Any dispute arising out of the contract shall be subject to and will be resolved as per the decision of C.E.O., CREDA and if the matter still unresolved then further matter can be put forth before Hon'ble High Court of Chhattisgarh.

25. **CORRUPTOR FRAUDULENT PRACTICES-**

- a. The CREDA requires the Bidder to strictly observe the laws against fraud and corruption in force in India, namely, Prevention of Corruption Act, 1988.
- b. It is required that each Bidder (including their respective officers, employees and Sub-contractors) adhere to the highest ethical standards, and report to the Government/ Department all suspected acts of fraud or corruption or coercion or collusion of which it has knowledge or become aware, during the tendering process and throughout the negotiation or award of a contract.

SECTION - 2

GENERAL CONDITIONS OF CONTRACT

1. DEFINITIONS-

In writing General Conditions of Contract, the specifications and bill of quantity, the following words shall have the meanings hereby indicated, unless there is something in the subject matter or content inconsistent with the subject.

- a. "MNRE" shall mean the Ministry of New and Renewable energy, Govt. of India.
- b. "CREDA" shall mean the Chhattisgarh State Renewable Energy Development Agency which is a state nodal agency of MNRE, represented through the Executive Engineer.
- c. "Work" shall mean any work entrusted to the bidder as mentioned in the scope of work and sanction order.
- d. The "Engineer in charge" shall mean the Engineer or Engineers authorized by CREDA for the purpose of this contract. Inspecting Authority shall mean any Engineering person or personnel authorized by CREDA to supervise and inspect the erection of the SPV irrigation pump.
- e. "The Eligible SI/Bidder" shall mean the bidder awarded with the contract or their successors and permitted assigns. Contract Price shall mean the sum named in or calculated in accordance with the provisions of the contract as the contract price. General Conditions shall mean the General conditions of Contract.
- f. "Specifications" shall mean the specifications annexed to these General Conditions of contract and shall include the schedules and drawings attached thereto or issued to the eligible SI from time to time, as well as all samples and pattern, if any.
- g. "Month" shall mean calendar month. "Writing" shall include any manuscript, typewritten, printed or other statement reproduced in any visible form whether under seal or written by hand.
- h. "Site" (where pumps to be installed) shall mean the agricultural land, being used for agriculture purpose only.
- i. "Beneficiary" shall mean small and marginal farmer only. Hereinafter Farmer means whose profession is agriculture only

2. PROOF OF MANUFACTURER -

Those bidders who are also manufacturers of an important component of SPV pump such as Surface or Submersible Pump, VFD or Structures of SPV irrigation/Drinking water Pumps shall have to submit proof of their manufacturing unit, appropriate registration documents and list of Machineries and Equipment's.

3. CONTRACT DOCUMENT-

The term "Contract" shall mean and include the General conditions, specifications, schedules, drawings and sanction orders etc., issued against the contract schedule of price or their final general conditions; any special conditions applying to the particular contract specification and drawings and agreement to be entered into. Terms and conditions not herein defined shall have the same meaning as are assigned to them in the Indian contract Act or any other Act in vogue or by any person of common knowledge and prudence.

4. MANNER OF EXECUTION -

Execution of work shall be carried out in accordance with the concerned district officer of CREDA.

5. VARIATIONS, ADDITIONS & OMISSIONS -

CREDA shall have the right to alter, amend, omit, split or otherwise vary the quantum of work, by notice in writing to the Bidder. The eligible Bidder shall carry out such variation in accordance with the rates specified in the contract so far as they may apply and where such rates are not available; those will be mutually agreed between CREDA and the eligible SI.

6. INSPECTION -

- a. The Engineer-in-Charge or his authorized representative(s) shall be entitled at all reasonable times to inspect and supervise and test during installation and commissioning. Such inspection will not relieve the eligible bidder from their obligations under this contract.
- b. Material can be inspected before dispatch or in transit by the authorized representatives of CREDA at the factory / godown at the cost of the eligible bidder, if desired by CREDA.
- c. CREDA will undertake real time performance and quality test of randomly selected item and components during the course of execution as per CREDA specifications and guidelines to ensure quality and performance of pump and components.

7. COMPLETION OF WORK -

- a. Time being the essence of contract, the supply and installation of the SPV water pumps shall be completed within the time schedule prescribed in the work order.
- b. After finalizing of rates and successful bidder, approved rates along with draft agreement will be sent to all successful bidders for acceptance, they will have to provide Acceptance within 10 days of issuance of draft agreement.

8. ELIGIBLE SYSTEM INTEGRATOR'S LIABILITY IN CASE OF DEFAULT-

CREDA may, by written notice of default to the eligible bidder, terminate the contract in circumstances detailed hereunder -

- a. If in the opinion of the CREDA, the eligible bidder fails to complete the work within the time specified in the work/supply order or within the period for which extension has been granted by CREDA to the eligible bidder.
- b. If in the opinion of CREDA, the eligible bidder fails to comply with any of the provisions of this contract.
- c. In the event of CREDA terminating the contract in whole or in part as provided in paragraph (a) above, CREDA reserves the right to engage another eligible bidder or agency upon such terms and in such a manner as it may deem appropriate and the eligible bidder shall be liable to CREDA for any additional costs due to the cost inflation in delayed period or any losses caused to CREDA as may be required for the completion of work and or for penalty as defined under this tender document until such reasonable time as may be required for the final completion of the work. The bidder will be debarred and blacklisted for up to three years for taking part in any activity of CREDA.
- d. If the original bidder does not complete the work in stipulated time and delays the completion then penalty may be imposed on original bidder for the delayed period to compensate the inflation hike in material cost. So that no extra burden incurred on the next bidder to whom the work will be re-allotted.
- e. In the event CREDA does not terminate the contract as provided in paragraph (a) the eligible bidder shall continue performance of the contract, in which case he shall be liable to CREDA for penalty for delay as set out in this tender document until the work is completed.

9. FORCE MAJEURE -

The eligible bidder shall not be liable for any penalty for delay or for failure to perform the contract for reasons of FORCE MAJEURE such as act of God, acts of public enemy, acts of government, cyclone, fires, floods, epidemics/pandemics, quarantine restrictions/lockdown, strikes, freight embargoes provided that if bidder shall submit delay notice with appropriate cause of delay to the CREDA in writing within **15 days** of force majeure. CREDA shall verify the facts and may grant such extension as facts justify. Delay in supply of any accessories of Solar Pumps etc. by the related vendors, to whom the bidder has placed order, shall also not be treated as force majeure.

10. REJECTION OF WORKS -

In the event of any of the material supplied/work done by the eligible bidder is found defective in material or workmanship or otherwise not in conformity with the requirements of this contract specifications, CREDA shall either reject the material and/or work and advise the eligible SI to rectify the same. **CREDA may impose penalty for such rejection up to the 200% cost of the entire system. Habitual/repeated offenders shall be black listed/debarred to participate in the any Tender/ Activity of CREDA for a period up to three years.** The eligible SI on receipt of such notices shall rectify or replace the defective material and rectify the work free of cost. If the eligible SI fails to do so CREDA may -

- a. At its option replace or rectify such defective materials and/or work and recover the extra cost so involved from the eligible bidder plus **15% service charges** of the cost of such rectification, from the eligible bidder and/ or terminate the contract for balance work/ supplies with enforcement of penalty **as stated above.**
- b. Defective materials/workmanship will not be accepted under any conditions and shall be rejected outright without compensation. The eligible bidder shall be liable for any loss/damage sustained by CREDA due to defective work **with enforcement of penalty as stated above.**

11. EXTENSION OF THE TIME -

If the completion of supply/work is delayed due to any reason beyond the control of the eligible bidder, the eligible bidder shall without delay give notice to the CREDA in writing of his claim for an extension of time. CREDA on receipt of such notice may or may not agree to extend the contract/delivery date but without prejudice to other terms and conditions of the contract. Chief Executive Officer, CREDA has full right for unconditional time extension.

12. MAKES OF EQUIPMENTS TO BE USED IN THE WORK -

- a. The Solar Pumps, Controller & Other BOS shall be made in India.
- b. The eligible bidder has to ensure that equipment's as per Technical Requirements of guidelines of CREDA as complied with. The eligible bidder has also to ensure that he will use only components of approved vendors of CREDA. The material/works for which CREDA or BIS or ISI specification is not available, engineer-in-charge of the works will examine and approve the material/works, preferably of all makes on which CREDA has report of satisfactory performance.
- c. Manufacturer Authorization Form (MAF) on manufacturer's letter head for Solar Pump/Module/Pump Controller/Structure/BOS/water distribution material which the bidder is intending to supply shall be submitted at the time of tender submission.
- d. The bidder shall ensure that all the major components such as Solar Pump, Pump Controller and Structure are procured from registered vendors of CREDA of respective components.

13. WARRANTY PERIOD AND POST INSTALLATION SERVICES -

- a. The work done/material supplied by the eligible bidder should be warranted for satisfactory operation and against any defect in material and workmanship including Pumps, Controllers and other balance of equipment's, at least for a period of 5 (five) years, from the date of supply including other works as per scope of work.
- b. The above warrantee certificates shall be furnished to the CREDA for approval. Any defect noticed during this period should be rectified by the supplier free of cost upon written notice from CREDA provided such defects may be due to bad workmanship or bad materials used.
- c. The warrantee period shall be extended by the period during which the part supplied remains non-operative due to reasons within control of the eligible bidder.
- d. The Bidder/OEM shall provide Onsite Warranty for the supplied equipment/material for a period of Five (05) years from the date of successful commissioning and acceptance by the CREDA. During the warranty period, the Bidder/OEM shall, at its own cost and risk, repair, rectify or replace any defective equipment, component or part at the installation site without any additional financial implication to the CREDA, in accordance with the standard warranty terms and conditions. The decision of the Technical Committee of CREDA in respect of warranty claims, defects, repair/replacement requirements and interpretation of warranty provisions shall be final and binding on all bidders. Failure to comply with the warranty obligations and directions of CREDA may attract penal action, including forfeiture of EMD and blacklisting/debarment of the bidder, as per the applicable provisions of the tender document.
- e. This warrantee must be an onsite warrantee and the eligible bidder will have to replace the defective material within 7 days positively from the date of information given to him.
- f. Care should necessarily be taken to make the part supplied functional, once the reporting of the fault/non-operational status is done, within 07 days. If the supplied part is not made operational within 15 days, the rectification/replacement (keeping the same configuration in consideration) will be done by CREDA at the risk and cost of bidder, after rectification / replacement the warranty clause will remain compliant as per tender conditions and if the bidder fails to rectify the faulty system within 30 days then this may lead to blacklisting and debarment of bidder from all the activities of CREDA for 03 Years.
- g. Eligible shall have to establish their service stations in the allocated area and shall have to keep enough spares and man power to ensure proper service network for taking care of smooth functioning of material supplied by them.

14. TERMS OF PAYMENT -

The following terms of payment shall apply for the tender -

- a. 90% of the total billed (Excluding GST) amount as per the work/supply order after satisfactory supply, installation, and commissioning & performance test of the material supplied at site with proper handing over.
- b. Balance 10% of total billed (Excluding GST)) amount shall be retained by CREDA as Security Deposit for a period of 60 months from date of supply/work.
- c. GST will be paid extra as per prevailing rate.

15. PENALTY FOR DELAY IN COMPLETION OF CONTRACT -

- a. If the eligible bidder fails to complete the assigned work within the schedule time specified in the Work Order or any extension granted there to, CREDA will recover from the bidder as penalty of up to Half percent (0.5%) of the system price excluding GST/Tax for every delayed system per week/02 Percent per month. For this purpose,

the date of taking over shall be reckoned as the date of completion. The total penalty shall not exceed 5% (Five percent) of the cost. The eligible bidder shall not be liable for any penalty for delay or for failure to perform the contract for reasons of FORCE MAJEURE.

- b. Review of the progress of work to eligible bidder shall be done time to time by CREDA and if the progress of work is found unsatisfactory, the entire remaining work or their part of can be re-allocated to other eligible bidder as per discretion of CREDA.

16. SECURITY DEPOSIT (SD) -

- a. The Earnest Money shall be retained by CREDA up to the duration of validity of tender, after agreement is done to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be required by CREDA.
- b. Beside this 10% of the cost shall also be retained as SD during the five years of warrantee period. No interest shall be payable on the SD.
- c. Period for which SD is to be retained may be extended in case the warrantee period is extended due to non-performance of the system.
- d. All costs of damages and delays for which the eligible SI is liable to the CREDA will be deducted from any money due to the eligible SI including the security deposit of any project under CREDA.

17. PENALTY DUE FROM THE ELIGIBLE SI -

All costs of damages and delays for which the eligible bidder is liable to the CREDA will be deducted from any money due to the eligible bidder including the security deposit of any project under CREDA.

18. RESPONSIBILITY OF ELIGIBLE SI -

Notwithstanding anything mentioned in the specifications of subsequent approval or acceptance of the supplied material /work by CREDA, if any, the ultimate responsibility for satisfactory performance of the entrusted work shall rest with the eligible bidder. If in any case the eligible bidder does not complete the work as per the work orders issued to them then CREDA may take over the task & complete the project at the risk and cost of eligible bidder.

19. RESPONSIBILITY TO RECTIFY THE LOSS AND DAMAGE -

If any loss or damage occurs to the work or any part thereof or materials/plant/equipment's for incorporation therein the period for which the eligible bidder is responsible for the cause thereof or from any cause whatsoever, the eligible bidder shall at his own cost rectify/replace such loss or damage, so that the permanent work confirms in every respect with the provision of the contract to the satisfaction of the Engineer. The eligible bidder shall also be liable for any loss or damage to the work/equipment's occasioned by him in course of any operation carried out to him during performing the contract.

20. RESPONSIBILITY TOWARDS THE WORKMAN OR OUTSIDERS -

- a. The eligible bidder shall have to take insurance coverage from any authorized Insurance Company against Workmen compensation due under Workmen Compensation Act and submit copy of the insurance document before issuance of work/supply order.
- b. The eligible bidder shall ensure all safety measures during execution and repairs of the work. CREDA, will, in no case be responsible for any accident fatal or non-fatal, caused to any workman or outsider in course of transport or execution or repairs of work.
- c. All the expenditure including treatment or compensation will be entirely borne by the eligible bidder. The eligible bidder shall also be responsible for any claims of the workers including PF, Gratuity, ESI & other legal obligations.
- d. CREDA shall have all rights to deduct such claims of payments from bidder in case of complaints of such violations.

21. NON-ASSIGNMENTS -

- a. The Eligible bidder shall not assign or transfer the work orders issued as per this contract or any part thereof.

22. CERTIFICATES NOT TO AFFECT RIGHTS OF CREDA -

The issuance of any certificate by CREDA or any extension of time granted by CREDA shall not prejudice the rights of CREDA in terms of the contract nor shall they relieve the eligible bidder of his obligations for due performance of the contract.

23. SETTLEMENT OF DISPUTES -

Except as otherwise specifically provided in the contract, all disputes concerning questions of fact arising under the contract shall be decided by the Chief Executive Officer (CEO), CREDA provided a written appeal by the eligible bidder is made to CREDA. The decision of the CEO, CREDA shall be final and binding to the all concerns.

24. LAWS GOVERNING CONTRACT -

The contract shall be constituted according to and subject to the Laws of India and jurisdiction of the High Court of Bilaspur, Chhattisgarh.

25. LANGUAGE AND MEASURES -

All documents pertaining to the Contract including specifications, schedules, notice correspondences, operating and maintenance instructions, drawings or any other writings shall be written in English / Hindi language. The metric system of measurement shall be used in this contract.

26. CORRESPONDENCE -

- a. Any notice to the eligible bidder under the terms of the contract shall be served by registered mail to the registered office of the eligible bidder or by hand to the authorized local representative of the eligible bidder and copy by post to the eligible bidder's principal place of business.
- b. Any notice to CREDA shall be served to the Executive Engineer, CREDA Raipur in the same manner.

27. SECRECY -

The eligible bidder shall treat the details of the specifications and other documents as private and confidential and they shall not be reproduced without written authorization from CREDA.

28. AGREEMENT -

The successful eligible bidder shall have to enter into an agreement with the CREDA in the approved contract agreement form within **10 days** of the receipt of call from CREDA.

29. DECLARATION OF CONFLICT OF INTEREST -

- a. Any regular employee working or worked on basis of contract or through placement agency cannot work directly or indirectly in any scheme of CREDA. If such a person is found working with any bidder, then, such bidder shall be blacklisted for three years.
- b. The bidder shall not be permitted to Bid for the work if the section of HO CREDA (responsible for implementation of work) in which his near relative is posted. Furthermore, the successful bidder shall not be given work in the district in which his near relative is posted. The bidder shall also intimate the names of his near relatives working in CREDA. Bidder shall also intimate the name of persons who are working with him in any capacity and who are near relatives to any employee in CREDA. Any breach of this condition by SI would render himself liable to be blacklisted for three years and removed from approved list of SIs in CREDA.

Note: - By the term near relatives are meant Wife, Husband, Parents and son, Brother, Sister, Brother-in-law, Father-in-law, and Mother-in-law etc.

- c. Bidder must produce an affidavit (Annexure - IV) stating the names of retired/removed employee of CREDA (if any) in his employment who retired /removed within last two years. if in case there is no such person in his employment, his affidavit should clearly state this fact. This affidavit is mandatory, if it is not produced along with the bid, the bid shall be rejected.

30. EVALUATION OF PRICE BID-

Price bid shall be evaluated based on Quoted rates. Lowest rates of each category of items shall be considered however CREDA shall have discretionary power to amend/lower the rates. The price bid of proprietary items such as submersible/surface pump, controller will be compared make wise if required.

31. BID REJECTION -

If financial bid of a bidder has been opened on the basis of technical bid of a bidder, which has been determined to be substantially responsive to the bidding document but if in latter stage it is found that bidder does not meet the eligibility criteria or the technical bid is found substantially non-responsive, CREDA reserves rights to reject such bid of a bidder at any stage.

We (on behalf of Bidder) have read all the above stated details & accept to comply with it in total.

Date

Signature:-

Name:-

Seal of the Bidder:-

SECTION - 3

TECHNICAL SPECIFICATION

The above tender is released for standardization of rates for supply and installation for replacement of spare/nonfunctional parts of solar irrigation pumps installed in various phases of SAUR SUJLA SCHEME and drinking water pumps installed under Solar Dual pump and Jal Jiwan Mission scheme (JJM).

The Minimum technical specification of the materials for which the rates has been called will be as per the tender of "SAUR SUJLA SCHEME" issued vide tender no 105235 dated 27.07.2022 & TENDER DOCUMENT No. 153398/CREDA/SPV IRRIGATION PUMPS /2024-25 DATED 26.02.2024 mentioned below: -

1. CONSTRUCTIONAL FEATURES -

a. General -

SPV Water Pumping System set uses the irradiance available through SPV array. The SPV array produces DC power, which can be utilized to drive a DC or an AC pump set using pump controller. A SPV Water Pumping system typically consists of pump set may be of any one of the following types -

- i Mono-block pump set;
- ii Open well submersible pump;
- iii Submersible pump;

b. Motor -

The motor of the pump set may be of the following types :-

- i. AC Induction Motor.
- ii. DC Motor [PMSM/BLDC/SRM (with brush or brushless)].
- iii. Provision for remote monitoring for the pumps must be made in the pump controller through an integral arrangement having following basic functions:
 1. Controller must be assigned with a unique serial number and its live status must be observed remotely on online portal through login credentials.
 2. Live status must indicate whether controller is ON/OFF.
 3. The parameter i.e. the water output, water flow rate, in fault condition, array input voltage/current, power and motor frequency should at logged at an interval of 10 minutes
 4. Controller must have a back up to store the data locally (at least for 1year)

c. MOTOR-PUMPSET

- i. Solar pump must be indigenously built and made in India.
- ii. The "Motor-Pump Set" should have a capacity in the range of 3 HP to 5 HP and should have the following features -
 1. The mono block DC/ AC centrifugal motor pump set with the impeller mounted directly on the motor shaft and with appropriate mechanical seals which ensures zero leakage.
 2. The motor of the capacity ranging from 3 HP to 5 HP should be AC/DC. The suction and delivery head will depend on the site specific condition of the field.

3. Submersible pumps could also be used according to the dynamic head of the site at which the pump is to be used.
4. Selection of pump at the time of survey must be done appropriately as per site conditions, depth & yield of the bore well.
- iii. The pump and all external parts of motor used in submersible pump which are in contact with water, should be of stainless steel of grade 304 or higher as required. The motor- pump set should have a 5 years warranty and therefore, it is essential that the construction of the motor and pump should be made using parts which have a much higher durability and do not need replacement or corrode for at least 5 years of operation after installation.
- iv. The suction/ delivery pipe shall be of HDPE or UPVC column pipes of appropriate size, electric cables, floating assembly, civil work and other fittings required to install the Motor Pump set. In case of HDPE pipes the minimum pressure rating of 3 kg/sqcm-PE100 grade for pumps up to 3 HP, 10 kg/sqcm-PE100 grade for 5 HP pumps. UPVC column pipe/HDPE Pipe must be provided as per bore depth.

d. MODULE MOUNTING STRUCTURE (MMS) -

- i. MMS as per drawings should be hot dipped galvanized (minimum 80 microns) array support structure for mounting of SPV modules at site. The panel frame structure should be capable of withstanding a minimum wind load of 150 Km per hour, after grouting and installation. MMS should be sturdy & designed to assist SPV Modules to render maximum discharge. The hardware (fasteners) used for installation of SPV Modules & MMS should be of suitable Stainless Steel (SS 304). Each MMS should be grouted on pedestals & Foundation as per drawings. Each module should be fastener by four theft proof nut built. Module Mounting Structure including foundation bolt, other nut & bolt, steel nut & bolts, washer, theft proof nut & bolts, clamps for holding controller etc. for 06 nos & 09 nos modules shall be as per drawing and specification attached in tender document.
- ii. Module Mounting Structures should have theft proof arrangements with the use of GI Steel C-channel along with the array support structure for locking arrangement of SPV modules for protecting them from theft. Its size should be with reference to the specifications of the SPV modules such that modules can comfortably slide in the channel while installation. It should not hide any portion of the photovoltaic circuit encapsulated in the lamination of the SPV module, thereby un-affecting the efficiency & rating of the SPV modules. Anti- Theft Nut Bolts of SS (with washers) should also be used for better theft proofing along with "C" Channel MMS.
- iii. To enhance the performance of SPV water pumping systems arrangement for seasonal tilt angle adjustment and three times manual tracking in a day should be provided. In order to make structure rigid, the gap between Telescopic pattern supports should be minimal, further, for bearing of centre load of whole structure only pins should be used instead of threaded bolts.
- iv. The general hardware for structure fitment should be either SS 304 or 6.8 grade. Modules should be locked with antitheft bolts of SS 304 Grade. Foundation should be as per drawing attached.

e. SPV CONTROLLER

- i. Controller must be indigenously built and made in India
- ii. Maximum Power Point Tracker (MPPT) shall be included to optimally use the power available from the SPV array and maximize the water discharge.
- iii. The SPV Controller must have IP(65) protection or shall be housed in a cabinet having at least IP (65) protection.
- iv. Adequate protections shall be provided in the SPV Controller to protect the solar powered pump set against the following:
 1. Dry running;
 2. Open circuit;
 3. Accidental output short circuit;
 4. Under voltage;
 5. Reverse polarity;
 6. SPD to arrest high current surge; and
 7. Lightning arrestor.
- v. A good reliable DC Circuit Breaker as per IS/IEC 60947-2 suitable for switching DC power ON and OFF shall be provided in the SPV Controller.
- vi. All cables used shall be as per IS694. Suitable size of cable shall be used in sufficient length for inter-connection between the SPV array to SPV Controller and the SPV Controller to solar powered pump set. Selection of the cable shall be as per IS14536.
- vii. Controller shall have provision for GSM/GPRS Gateway with Geo tagging. GSM/GPRS Charges to be included in the Costing till the end of Warranty period of the Pump set.

f. EARTHING ARRANGEMENT

- i. Earthing of the motor shall be done as per IS 9283 in accordance with the relevant provisions of IS 3043. Separate earthing shall be provided for Controller, pump and SPV array.
- ii. For safety purpose, it shall be ensured during installation that the earthing is capable of taking care of leakage current.
- iii. In case of UPVC/HDPE pipes used as discharge pipe, a separate non-corrosive, low resistance.
- iv. Conductor from motor earth terminal to control panel earth terminal shall be provided for earthing.
- v. A lightning arrestor shall be provided with every SPV Water Pumping System.

g. USE OF INDIGENOUS COMPONENTS

It will be mandatory to supply indigenously manufactured solar modules. The motor-pump-set, controller and balance of system should also be manufactured indigenously.

2. TESTS FOR HYDRAULIC AND ELECTRICAL PERFORMANCE OF PUMPSET -

- a. The motor-pump set shall be tested independently for hydraulic and electrical performance as per the relevant IS specification including following test -
 - i. Constructional requirements/features
 - ii. General requirements
 - iii. Design features

- iv. Insulation resistance test
- v. High voltage test
- vi. Leakage current test
- b. Testing of SPV Water Pumping Systems shall be done as per procedure specified by the MNRE.

3. **MARKING AND PARAMETERS TO BE DECLARED BY THE MANUFACTURER -**

The motor pump-set and Controller used in SPV Water Pumping Systems shall be securely marked with the following parameters declared by the manufacturer:

a. **Motor Pump-set -**

- i. Manufacturer's name, logo or trade-mark;
- ii. Model, size and SI No of pump-set;
- iii. Motor Rating (kW /HP);
- iv. Total head, m, at the guaranteed duty point;
- v. Capacity (LPD) at guaranteed head;
- vi. Operating head range m;
- vii. Maximum Current (A);
- viii. Voltage Range (V) and;
- ix. Type - AC or DC Pump set; &
- x. Photo Voltaic (PV) Array Rating in Watts peak (Wp)

b. **Controller-**

- i. Manufacturer's name, logo or trade-mark;
- ii. Model Number;
- iii. Serial Number;
- iv. Voltage Range;
- v. Power Range in kW for Controller; and
- vi. Current rating (A)

c. **Structure -**

- a. Manufacturer's logo or trade-mark.

4. **TESTS TO BE PERFORMED ON DUAL AXIS MANUAL TRACKING TYPE MMS FOR SOLAR WATER PUMPING SYSTEM -**

- a. For ascertaining proper welding of structure part following should be referred -
 - i. Weld wire grade should be of grade (ER 70 S -6)
 - ii. D.P. Test (Pin Hole / Crack) (IS822)
- b. For ascertaining hot dip galvanizing of fabricated structure following should be referred -
 - i. Min coating required should be as per IS4759.
 - ii. Testing of galvanized material.
 - 1. Preece Test (CuSO₄ Dip Test) (IS2633)
 - 2. Mass of Zinc (IS 6745)
 - 3. Adhesion Test (IS2629)

In case of any clarification and confusion the technical specification laid down in the respective tender of SSY scheme will be final and binding.

SECTION -4

MAKES OF SUBMERSIBLE/SURFACE PUMPS AND CONTOLLERS

4.1 MAKES OF SUBMERSIBLE/SURFACE PUMP USED IN SAUR SUJLA SCHEME

S.No.	Pump Make
1	AQUA FLOW
2	AQUASUB ENGINEERING (TEXMO)
3	CRI PUMPS
4	CRYSTAL CORPORATION
5	CONFAB
6	DUKE
7	DYNAMECH ELECTRO
8	ECOZEN SOLUTIONS
9	FALCON
10	JAIN IRRIGATION
11	KIRLOSKAR BROTHERS LIMITED
12	GAUTAM SOLAR
13	GRUNDFOS
14	KSB
15	LUBI
16	MAHENDRA
17	NOVERGY ENERGY
18	MAHAVEER SUBMERSIBLE
19	MAHANADI
20	MECWIN TECHNOLOGIES
21	MECWIN
22	MERCURY (MAHANADI)
23	NOVUS GREEN ENERGY
24	PLUGA
25	OSWAL PUMPS
26	PREMIER PUMP
27	PSG PUMPS
28	PEARL ENTERPRISES
29	ROTAOMAG (RTOSOL)
30	SAGUNA
31	SHAKTI PUMPS
32	SIGMA

33	SILVER ENGINEERING
34	SPAN PUMPS
35	VRG ENERGY INDIA PVT. LTD.
36	VTECH ENGINEERS
37	SILEAF
38	SOLEX
39	TATA POWER

4.2 MAKES OF CONTROLLERS/VFD USED IN SAUR SUJLA SCHEME

S.No.	Controller Make
1	ABB LTD.
2	ACCESS SOLAR
3	ALECTRONA
4	ANALOGICES GROUP
5	ANTARES TECHLOGIES
6	AQUA FLOW
7	CRI PUMPS
8	CYBERMOTION
9	CRYSTAL CORPORATION
10	DELTA
11	DUKE
12	DYNAMECH ELECTROPOWER
13	ECOZEN SOLUTIONS
14	ECOTRONICS
15	FALCON
16	FUJI ELECTRIC
17	GBT COMPOSITE
18	GREENWORLD
19	HARMESH
20	HBL
21	JAIN IRRIGATION
22	GAUTAM SOLAR
23	KIRLOSKAR BROTHERS LTD.
24	KSB
25	LUBI
26	MAHAVEER SUB
27	MEERA & CEIKO
28	NOVERGY ENERGY

29	mitsubishi
30	MAHANADI
31	MECWIN TECHNOLOGIES
32	MECWIN/ AVNI TRADERS
33	MERCURY
34	MERCURY (MAHANADI)
35	NOVUS GREEN ENERGY
36	NSP COMPOSITE
37	OSWAL PUMP
38	PRABHAT ENTERPRISES
39	PREMIER SOLAR
40	PEARL ENTERPRISES
41	PREMIER PUMP
42	PSG PUMPS
43	ROTAOMAG (ROTOSOL)
44	SAGUNA
45	SAI BABUJI
46	SAINEER
47	SAVAN
48	SILEAF
49	SHAKTI PUMPS
50	SIGMA
51	SILVER ENGINEERING
52	SOYO SYSTEMS
53	SOLEX ENERGY
54	SPAN PUMPS
55	SPECIALITY PRODUCTS
56	SAGUNA
57	SUNRISE
58	SURYA INTERNATIONAL
59	VRG ENERGY INDIA PVT. LTD.
60	VTECH ENGINEERS
61	TATA POWER

SECTION-05

Solar Dual pumping system /Drinking water Submersible Pump Specification

DC Submersible pump set of 600/900/1200/1800 HP for solar Dual pump system (IEC Standard) MNRE approved.

S NO	DETAILS	REQUIRED SPECIFICATION
(i)	600 watt DC Submersible Pump set (0.5 HP)	
1	Minimum discharge at 30 mtr. head (LPD)	6000 LPD
2	Shut off head	45 Meters
3	Dynamic head	30 Meter
4	Outlet Size	1 1/2" - 1 1/4"
(ii)	900 watt DC Submersible Pump set (1 HP)	
1	Minimum discharge at 60 mtr. head (LPD)	10000 LPD
2	Shut off head	90 Meters
3	Dynamic head	60 Meter
4	Outlet Size	1 1/2" - 1 1/4"
(iii)	1200 watt DC Submersible Pump set (1.5 HP)	
1	Minimum discharge at 90 mtr. head (LPD)	15000 LPD
2	Shut off head	120 Meters
3	Dynamic head	90 Meter
4	Outlet Size	1 1/2" - 1 1/4"
(iv)	1800 watt DC Submersible Pump set (2 HP)	
1	Minimum discharge at 120 mtr. head (LPD)	20000 LPD
2	Shut off head	150 Meters
3	Dynamic head	120 Meter
4	Outlet Size	1 1/2" - 1 1/4"

DC Pump, Motor Details/Specification

Motor		
1	Motor Capacity [HP]	0.5/1/1.5/2 HP
2	Motor Winding	Copper
3	RPM	up to 2900
5	Insulation	IP 58/IP68
6	Pump size (OD)	96 mm (+)
7	Voltage range	In the range of 45 Volt DC TO 300 VDC
8	Current Range	2 amp - 30 amp
9	Casing, Impeller, Shaft	Stainless Steel
10	Sealing	Mech Seal
11	Operating Temp[°C]	-10 °C to 55 °C
12	Inside the Control Box temperature	Up to 70° C
13	Controller Efficiency[%]	96%
14	Protection	Output short/open circuit, Over Temperature, Over/Under Voltage, Thermal Overload, Dry Run, Reverse Polarity

Pump Controller for DC Submersible pump of Capacity 0.5/1/1.5/2 HP

Details	0.5Hp/600Wp	1Hp/900Wp	1.5Hp/1200Wp	2 Hp/1800Wp
Module watt	600 Wp	900 Wp	1200 Wp	1800 Wp
V mp	101 V	140 V	177 V	216 V
Current rating	8.2	8.2	8.2	8.2

Enclosure IP	IP 63
Operating Temp[°C]	-10 °C to 55 °C
Inside the Control Box	Up to 70° C
Degree of Protection	IP 45/63
Minimum Ingress	IP 45/63
Frequency	0-110 Hz
Protection	Output short/open circuit, Over Temperature, Over/Under Voltage, Thermal Overload, Dry Run, Reverse Polarity
Remote Monitoring facility	Must be available in the controller

Float Level Controller/ Liquid level sensor

Specification
1. Suitable for AC/DC & DC Submersible Pump (0.5/1/2 HP/600/900/1200/1800 Watt) 2. Operating voltage 120 V to 250 V, current up to 15 Amp or 13.3 non-continuous DC/AC Amperage & operating temperature up to 70°C. 3. Suitable use in sump, overhead water tank and portable water application with Minimum detection range up to 10 ft. 4. Internally contains a stainless-steel ball includes adjustable counter weight as the liquid level reaches upper or lower switching value, the controller contact will send out signals. 5. Constructed with non-toxic polypropylene, and having wires for connection, with IP 68 Enclosure. 6. Minimum float dimensions are 4.1L x 3B x 1.6H inch.

Other important requirement

The "Motor Pump Set" should following features:

- The DC pump set with the impeller mounted directly on the motor shaft and with appropriate mechanical seals, which ensures zero leakage.
- The delivery head will depend on the site-specific condition of the field.
- The pumps used for solar application should have a 5 years warranty so it is essential that the construction of the pump be made using parts, which have a much higher durability and do not need replacement or corrode for at least 5 years.
- The following details should be marked indelibly on the motor pump set
 - a) Name of the Manufacturer or Distinctive Logo.
 - b) Model Number.
 - c) Serial Number.

SN	Particulars
1	Supply of GI Stand Posts (304 grades) (Square 150 mm x 150 mm of height 0.8 M above GL) for SPV Dual Pump with 04 nos. 20 mm stainless steel lift-cock type.
2	Supply of ISI marked 2-layer HDPE water storage tank Capacity of 5000 Liters for SPV Dual Pump as per Specifications of MNRE/CREDA (for 5 years warrantee). (<u>Stated as below B-1)</u>)
3	Supply of HDPE water storage "Tank Cover" for water tank capacity of 5000 Liters.
4	Supply of S.S. Wire rope size thick 08 Sq. mm with lock & plastic coated, all wire rope fittings, Slings etc.
5	Supply of S.S. Wire rope size thick 10 Sq. mm with lock & plastic coated, all wire rope fittings, Slings etc.
6	Supply of Hand Pump Washer (Leather Bucket) superior quality.
7	Supply of HDPE Roll Pipe 32 mm (O.D.) (ISI Mark) (8 Kg Pressure)
8	Supply of HDPE Roll Pipe 32 mm (O.D.) (ISI Mark) (10 Kg Pressure)
9	Supply of HDPE Roll Pipe 40 mm (O.D.) (ISI Mark) (8 Kg Pressure)
10	Supply of HDPE Roll Pipe 40 mm (O.D.) (ISI Mark) (10 Kg Pressure)
11	Supply of HDPE Roll Pipe 50 mm (O.D.) (ISI Mark) (6 Kg Pressure)
12	Supply of HDPE Roll Pipe 50 mm (O.D.) (ISI Mark) (8 Kg Pressure)
13	Supply of HDPE Roll Pipe 63 mm (O.D.) (ISI Mark) (6 Kg Pressure)
14	Supply of HDPE Roll Pipe 63 mm (O.D.) (ISI Mark) (8 Kg Pressure)
15	Supply of Cylinder Assembly:- Cylinder Assembly, Shall be Supplied complete with C.I. Cylinder body with brass liner reducer cap, upper valve assembly and lower valve assembly as per IS 15500/2004 (part III) material and components as.

B-1 Water tank Specification

IS 12701 : 1996

Indian Standard

**ROTATIONAL MOULDED POLYETHYLENE
WATER STORAGE TANKS — SPECIFICATION**

(First Revision)

1 SCOPE

1.1 This standard covers the requirements of materials, dimensions, construction, shape, workmanship, performance requirements and inspection and testing of rotational moulded polyethylene water storage tanks with a nominal service temperature from +1°C to +50°C.

1.1.1 These tanks are not meant for underground applications.

1.2 This standard is applicable only to water storage tanks subjected to the following two conditions:

- a) Own hydrostatic head of water, and
- b) Tank with uniform flat base support.

1.3 This standard does not cover mobile water tanks and horizontal cylindrical water tanks.

2 REFERENCES

2.1 The Indian Standards listed in Annex A are necessary adjuncts to this standard.

3 TERMINOLOGY

3.0 For the purpose of this standard the following definitions shall apply.

3.1 Rotational Moulded Water Storage Tank

A tank moulded from polyethylene powder by the process of rotational moulding.

3.2 Net Capacity

Net capacity shall be net volume of water contained between the lowest level of the inlet and lowest specified level.

3.3 Gross Capacity

The total enclosed volume of the tank including any space which may not be capable of being filled with water.

3.4 Mould Parting Line

A circumferential line visible only on external surface of the tank corresponding to a parting joint of the mould required for rotational moulding (see Fig. 1).

3.5 Overall Height

The height of the finished empty tank at its highest point including the top rim of the man-hole and lid of the tank (see Fig. 1).

3.6 Effective Height

The height of the finished empty tank from its base to the point where overflow connection is provided for the purpose of limiting water storage capacity (see Fig. 1).

3.7 Overall Diameter

The maximum diameter of finished empty tank measured at its base as the mean of two measurements of diameters including wall thickness of the tank and avoiding the mould parting line (see Fig. 1).

3.8 Rim Height

The perpendicular distance from the highest point of the top rim of the man-hole to the nearest point of the shoulder of the finished empty tank (see Fig. 1). Rim can be provided above the tank or within the tank.

3.9 Man-Hole/Hand-Hole

A hole of suitable internal diameter provided at the top of the tank, for the purpose of inspection of internal surface and entry into the tank.

3.10 Internal Diameter of Man-Hole/Hand-Hole

The internal diameter of the rim of the man-hole measured as the mean of two perpendicular diameters (see Fig. 1).

4 MATERIALS

4.1 The material of construction of tank, lid and fittings which come in contact with water shall be such that it does not impart any taste, colour or odour to water, nor have any toxic effect, and it shall not contaminate water thereby making it unpotable.

4.2 Polyethylene resin to be used for the manufacture of water tanks should be of rotational moulded grade and duly stabilized with anti-oxidants. The anti-oxidants used, not exceeding 0.1% by mass of finished resin, should be physiologically harmless and should be selected from the list given in IS 10141 : 1982. In addition, the material shall also meet the requirements given in 4.2.1 to 4.2.4.

4.2.1 The density of resin (base material) at 23°C when tested in accordance with IS 7318 : 1992 shall be within 932 to 940 kg/m³.

IS 12701 : 1996

4.2.2 The melt flow rate (MFR) of the resin when tested under the test condition D (temperature 190°C and nominal load of 2.16 kg) and in accordance with IS 2530 : 1963 shall be within 2.0 to 8.0 g/10 minutes.

4.2.3 The water tanks meant for out door use shall be manufactured from carbon black compounded polyethylene. The carbon black content and carbon dispersion test shall be carried out in accordance with the procedure described in IS 2530 : 1963 and shall meet the following requirements:

- a) The percentage of carbon black content in the material shall be within 2.0 and 3.0, and

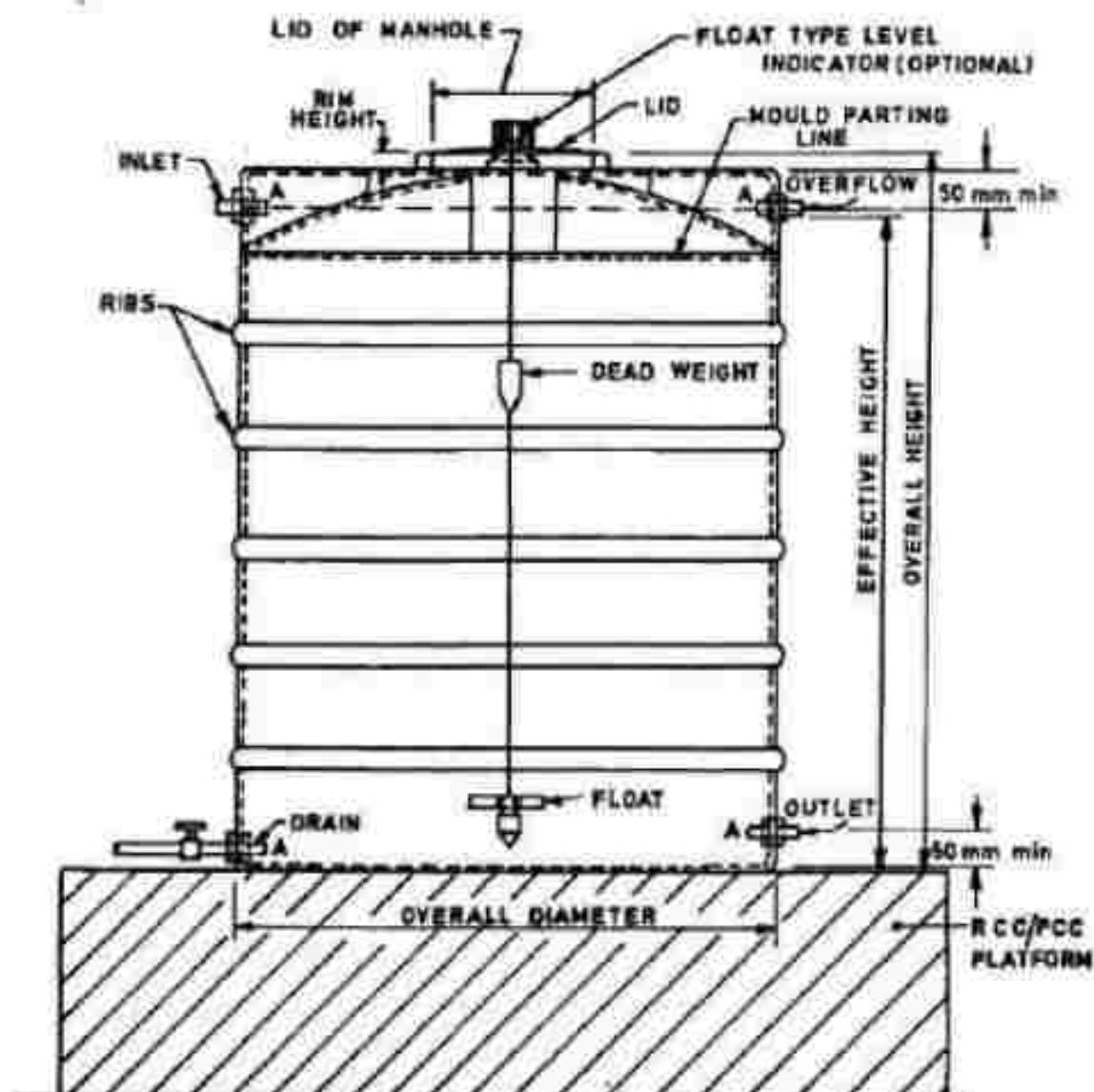
- b) The dispersion of carbon black shall be satisfactory.

4.3 The addition of not more than 10 percent of the manufacturer's own reworked material resulting from the manufacture of tanks only according to this standard is permissible. No other reworked or recycled waste material from any other source or filler shall be used in the manufacture of tanks.

5 TYPES AND FEATURES

5.1 Cylindrical Vertical Tank (Fig. 1)

The dimensions, net and gross capacities and weight of the tank shall be as given in Table 1.



NOTE: — A 25 mm wide band shall be painted around the tank at the inlet/overflow level and outlet level. Centre line of the band shall be 50 mm minimum from top/inner bottom of the tank.

A — Male threaded GI. lens or PVC connections.

FIG. 1 TYPICAL DETAILS OF CYLINDRICAL VERTICAL TANK

IS 12701 : 1996

Table 1 Dimensions of Cylindrical Vertical Tank
(Clause 5.1)

Sl No.	Minimum Net Capacity Up to Effective Height (t)	Overall Diameter Range (mm)	Overall Height Range (mm)	Minimum Internal Dia of Man-Hole Head-Hole (mm)	Minimum Wall and Bottom Thickness (mm)	Minimum Weight of tank (Without L&B) (kg)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
0	200	850 - 850	490 - 499	245	3.0	7.1
01	300	850 - 850	700 - 800	245	3.0	9.0
02	400	700 - 900	700 - 950	245	3.5	15.0
03	500	400 - 1 140	625 - 1 025	270	4.0	18.0
04	700	600 - 1 140	800 - 1 190	270	4.4	25.0
05	1 000	1 000 - 1 200	1 030 - 1 250	270	4.5	33.0
06	1 500	1 080 - 1 450	1 130 - 1 790	270	4.5	47.0
07	1 700	1 300 - 1 500	1 240 - 1 500	270	4.5	54.0
08	2 000	1 350 - 1 500	1 400 - 1 700	450	5.4	64.0
09	2 500	1 380 - 1 600	1 400 - 1 810	450	7.7	81.0
10	3 000	1 410 - 1 800	1 640 - 2 150	450	8.2	96.0
11	4 000	1 450 - 1 900	1 750 - 2 400	450	10.4	147.0
12	5 000	1 800 - 2 100	1 800 - 2 300	450	10.7	180.0
13	6 000	1 800 - 2 200	2 060 - 2 800	450	10.7	225.0
14	7 500	1 890 - 2 250	2 100 - 2 750	450	10.7	279.0
15	10 000	1 900 - 2 680	2 400 - 3 140	450	11.8	319.0
16	11 000	2 400 - 2 680	3 100 - 4 000	450	11.5	408.0
17	20 000	2 100 - 3 150	3 190 - 5 000	450	13.2	506.0

NOTE — The gross capacity of the units shall be at least 5 percent in excess of the minimum net capacity.

5.2 Rectangular Loft Tank (Fig. 2)

The dimensions, net and gross capacities and weight of the tank shall be as given in Table 2.



FIG. 2 RECTANGULAR LOFT TANK

5.3 A flat area may be provided on the top of the cylindrical vertical tanks for workers to stand before entering the tank.

5.4 Wall Thickness

Owing to limitations of rotational moulding process, the wall thickness of the water storage tank at bottom, top and cylindrical sides at the bottom and top edges where the shape of tank changes is usually found to be much greater than the wall thickness at other surfaces. For cylindrical vertical tanks the wall thickness upto the effective height of the tank shall not be less than the values given in Table 1 and the wall thickness above the effective height of the tank shall be not less than 75 per cent of the values given

Table 2 Dimensions of Rectangular Loft Tanks
(Clause 5.2)

Sl No.	Minimum Net Capacity	Overall Length	Overall Width	Overall Height	Minimum Internal Dia of Man-Hole	Minimum Wall Thickness (Measured on Rectangular Vertical Part and Bottom Thickness)	Minimum Weight of Tank (Without L&B)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
0	150	620 - 820	620 - 820	285 - 415	300	2.75	6.6
01	200	950 - 1 150	620 - 820	285 - 415	300	2.75	7.7
02	300	950 - 1 200	620 - 820	285 - 415	300	2.75	11.6
03	400	1 150 - 1 350	825 - 1 150	335 - 515	300	2.75	15.6
04	500	1 150 - 1 500	900 - 1 250	335 - 515	300	2.75	17.5

NOTE — The gross capacity of the tanks shall be at least 5 percent in excess of the minimum net capacity.

SECTION-06**e – Price Bid****e – Price Bid (For supply and installation of pump, controller and other BOS of solar irrigation Pump installed under Saur Sujla Scheme and solar drinking water & dual Pumps)**

Schedule of Rates for items

(e-bidding as per Specifications & Scope of Work of No. 194577/CREDA/REPAIR & MAINTENANCE /2026-27 Dated: 01.07.2026)

Price bid -A**FOR SUPPLY & INSTALLTION OF SUBMERSIBLE/SURFACE PUMP**

(Rates in Rs. without GST)

Pump Capacity (HP)	Pump Type	Pump Position	Pump Cooling Category	UOM (Unit of Measurement)	Total Amount for supply with 05 years warranty (In RS.)
For supply of Drinking water pump/solar dual pumping system(600watt/900watt/1200watt) repair and maintenance work					
0.5	DC	Submersible	Water/Oil Filled	Nos	
1	DC	Submersible	Water/Oil Filled	Nos	
1.5	DC	Submersible	Water/Oil Filled	Nos	
For Solar Irrigation pump repair and maintenance work					
Pump Capacity (HP)	Pump Type	Pump Position	Pump Cooling Category	UOM (Unit of Measurement)	Total Amount for supply & installation with 05 years warranty (In RS.)
2	AC	Submersible	Water Filled	Nos	
	AC	Surface	Water Filled	Nos	
	DC	Submersible	Water Filled	Nos	
	DC	Surface	Water Filled	Nos	
3	AC	Submersible	Water Filled	Nos	
	AC	Surface	Water Filled	Nos	
	DC	Submersible	Water Filled	Nos	
	DC	Surface	Water Filled	Nos	
5	AC	Submersible	Water Filled	Nos	
	AC	Surface	Water Filled	Nos	
	DC	Submersible	Water Filled	Nos	
	DC	Surface	Water Filled	Nos	

Price bid -B**FOR SUPPLY & INSTALLATION OF AC/DC Controller & VFD**

(Rates in Rs. without GST)

Controller Capacity (HP)	Controller Type	Pump Position	UOM (Unit of Measurement)	Total Amount for supply with 05 years warranty (In RS.)
For Drinking water pump/solar dual pumping system(600watt/900watt/1200watt) repair and maintenance work				
0.5	Controller/DC	Submersible	Nos	
1	Controller/DC	Submersible	Nos	
1.5	Controller/DC	Submersible	Nos	
For Solar Irrigation pump repair and maintenance work				
Controller Capacity (HP)	Controller Type	Pump Position	UOM (Unit of Measurement)	Total Amount for supply & installation with 05 years warranty (In RS.)
2	VFD/AC	Submersible	Nos	
	VFD/AC	Surface	Nos	
	Controller/DC	Submersible	Nos	
	Controller/DC	Surface	Nos	

3	VFD/AC	Submersible	Nos	
	VFD/AC	Surface	Nos	
	Controller/DC	Submersible	Nos	
	Controller/DC	Surface	Nos	
5	VFD/AC	Submersible	Nos	
	VFD/AC	Surface	Nos	
	Controller/DC	Submersible	Nos	
	Controller/DC	Surface	Nos	

Price Bid-C**FOR SUPPLY & INSTALLATION OF WATER DISTRIBUTION MATERIAL AND OTHER NECESSARY BOS MATERIAL**

(Rates in Rs. without GST)

S no	Items Description	UOM (Unit of Measurement)	Total Amount for supply & installation with 05 years warranty (In RS.)
1	Supply of GI Stand Posts (304 grades) (Square 150 mm x 150 mm of height 0.8 M above GL) for SPV Dual Pump with 04 nos. 20 mm stainless steel lift- cock type as per Specifications of MNRE/CREDA.	Nos	
2	Supply of ISI marked 2-layer HDPE water storage tank Capacity of 5000 Liters for SPV Dual Pump as per Specifications of MNRE/CREDA (for 5 years	Nos	
3	Supply of HDPE Roll Pipe 32 mm (O.D.) (ISI Mark) (8 Kg Pressure)	Mtr	
4	Supply of HDPE Roll Pipe 32 mm (O.D.) (ISI Mark) (10 Kg Pressure)	Mtr	
5	Supply of HDPE Roll Pipe 40 mm (O.D.) (ISI Mark) (8 Kg Pressure)	Mtr	
6	Supply of HDPE Roll Pipe 40 mm (O.D.) (ISI Mark) (10 Kg Pressure)	Mtr	
7	Supply of HDPE Roll Pipe 50 mm (O.D.) (ISI Mark) (6 Kg Pressure)	Mtr	
8	Supply of HDPE Roll Pipe 50 mm (O.D.) (ISI Mark) (8 Kg Pressure)	Mtr	
9	Supply of HDPE Roll Pipe 63 mm (O.D.) (ISI Mark) (6 Kg Pressure)	Mtr	
10	HDPE Role Pipe Size 63 mm. 08 Kg pressure/cm ² , ISI 100 percent Virgin with Min PE100,DN63,PN8 as per IS4984 of 1995 for 02hp & 03Hp and PN10 for 05 HP	Mtr	
11	Supply of Cylinder Assembly: - Cylinder Assembly, Shall be Supplied complete with C.I. Cylinder body with brass liner reducer cap, upper valve assembly and lower valve assembly, size-3ø as per IS 15500/2004 (part III) material and components as.	Nos	
12	Module Mounting Structure for 06 Nos. for 300Wp -335Wp Module	Set	
13	Module Mounting Structure for 10 Nos. for 300Wp-335Wp Module	Set	
14	Module Mounting Structure for 04 Nos. for 450Wp/500Wp Module	Set	

15	Module Mounting Structure for 09 Nos. for 450Wp/500Wp	Set	
16	3 Core 4 Sq mm flat copper Submersible cable having twisted copper conductor	Meter	
17	3 Core 2.5 Sq mm flat copper Submersible cable having twisted copper conductor	Meter	
18	Single Core 4 Sq mm DC copper cable having twisted copper conductor	Meter	
19	Single Core 6 Sq mm DC copper cable having twisted copper conductor	Meter	
20	Steel Wire Rope plastic coated size 8 mm	Meter	
	Steel wire rope plastic coated size 10 mm	Meter	
21	Lightening Arrestor set with earthing Kit including chemical earthing as per IS 3043/IEC 60364-5-54/62561-2, LA-14 feet, GI pipe 30mm, GI strip or 10mm GI wire	Set	
22	Chemical Earthing Kit set with tested compound IEC 6235-3	Set	
23	Supply of HDPE water storage "Tank Cover" for water tank capacity of 5000 Liters.	Nos	
24	Supply of Hand Pump Washer (Leather Bucket) superior quality.	Nos	
25	S.S. anti-theft nut bolt set M8 ISI standard	Nos	
26	Cable tie Stainless steel SS304 12 Inch (300x4.6mm)	Nos	
27	Conduit pipe/black drip pipe 2 mm thick ISI make or black drip pipe made up of liners low density polyethylene for covering back panel wiring	Meter	
28	SS theft proof nut bolt SS304 with washer	Nos	
29	SS Nipple Size 2"	Nos	
30	MS clamp Size 2" with Nut Bolt	Nos	
31	Elbow Size 2"	Nos	
32	GI Socket Size 2"	Nos	
33	Power Card for pump controller/VFD	Nos	
34	RMS Board for pump controller	Nos	
35	MC4 Connector for panel wiring	Nos	
36	Antenna for RMS/VFD/controller	Nos	
37	Heat Sink for VFD/controller	Nos	
38	On/Off Switch for Controller/VFD	Nos	
39	NRV of all type as per requirement of site	Nos	
40	Suction casing-IP as per requirement	Nos	
41	Sand Guard for pumps	Nos	

- a. The above rates of supply must be quoted with 05 Years warranty.
- b. Above rates are for anywhere in the State of Chhattisgarh inclusive of roadworthy packing, loading, unloading, all types of incidental expenses, 5 years warrantee, as mentioned in the tender document. Above rates applicable for all types of pump models.
- c. The Price bid of proprietary items such as pump, controller will be compared make wise wherever applicable.
- d. As per GST notification no. 24/2018-Central Tax (Rate) dated 31.12.2018 and 8/2021-Central Tax (Rate) dated 30.09.2021, GST Rate will be applicable under composite supply and installation basis, Rate of GST on supply of Goods (70% of gross consideration treated as supply of Goods) 12% GST and balance portion (30% of gross consideration treated as taxable installation services) 18% GST will be paid extra. No other cost will be claimed other than above quotes price & the applicable GST.

Note: In this regard if there is any change in the composition ratio of goods and services by any Authority/ Courts, same shall be applicable.

Signature of the Authorized Signatory	:	
Seal of Company	:	
Date	:	

SECTION-07**e – Price Bid supporting document**

Supporting Document for Price Bid This is a supporting document for Price bid. This rate list has to be uploaded in "excel format only" under Envelop 'C' online in <https://eproc.cgstate.gov.in>.

FOR SUPPLY & INSTALLTION OF SUBMERSIBLE/SURFACE PUMP**(Rates in Rs. without GST)**

For Solar Irrigation pump repair and maintenance work						
Pump Capacity (HP)	Pump Type	Pump Position	Pump Cooling Category	UOM (Unit of Measurement)	Total Amount for supply with 05 years warranty (In RS.)	Total Amount for installation with 05 years warranty (In RS.)
2	AC	Submersible	Water Filled	Nos		
	AC	Surface	Water Filled	Nos		
	DC	Submersible	Water Filled	Nos		
	DC	Surface	Water Filled	Nos		
3	AC	Submersible	Water Filled	Nos		
	AC	Surface	Water Filled	Nos		
	DC	Submersible	Water Filled	Nos		
	DC	Surface	Water Filled	Nos		
5	AC	Submersible	Water Filled	Nos		
	AC	Surface	Water Filled	Nos		
	DC	Submersible	Water Filled	Nos		
	DC	Surface	Water Filled	Nos		

FOR SUPPLY & INSTALLATION OF AC/DC Controller & VFD**(Rates in Rs. without GST)**

For Solar Irrigation pump repair and maintenance work					
Controller Capacity (HP)	Controller Type	Pump Position	UOM (Unit of Measurement)	Total Amount for supply with 05 years warranty (In RS.)	Total Amount for installation with 05 years warranty (In RS.)
2	VFD/AC	Submersible	Nos		
	VFD/AC	Surface	Nos		
	Controller/DC	Submersible	Nos		
	Controller/DC	Surface	Nos		
3	VFD/AC	Submersible	Nos		
	VFD/AC	Surface	Nos		
	Controller/DC	Submersible	Nos		
	Controller/DC	Surface	Nos		
5	VFD/AC	Submersible	Nos		
	VFD/AC	Surface	Nos		
	Controller/DC	Submersible	Nos		
	Controller/DC	Surface	Nos		

FOR SUPPLY & INSTALLATION OF WATER DISTRIBUTION MATERIAL AND OTHER NECESSARY BOS MATERIAL

(Rates in Rs. without GST)

S no	Items Description	UOM (Unit of Measurement)	Total Amount for supply with 05 years warranty (In RS.)	Total Amount for installation with 05 years warranty (In RS.)
1	Supply of GI Stand Posts (304 grades) (Square 150 mm x 150 mm of height 0.8 M above GL) for SPV Dual Pump with 04 nos. 20 mm stainless steel lift-cock type as per Specifications of MNRE/CREDA.	Nos		
2	Supply of ISI marked 2-layer HDPE water storage tank Capacity of 5000 Liters for SPV Dual Pump as per Specifications of MNRE/CREDA (for 5	Nos		
3	Supply of HDPE Roll Pipe 32 mm (O.D.) (ISI Mark) (8 Kg Pressure)	Mtr		
4	Supply of HDPE Roll Pipe 32 mm (O.D.) (ISI Mark) (10 Kg Pressure)	Mtr		
5	Supply of HDPE Roll Pipe 40 mm (O.D.) (ISI Mark) (8 Kg Pressure)	Mtr		
6	Supply of HDPE Roll Pipe 40 mm (O.D.) (ISI Mark) (10 Kg Pressure)	Mtr		
7	Supply of HDPE Roll Pipe 50 mm (O.D.) (ISI Mark) (6 Kg Pressure)	Mtr		
8	Supply of HDPE Roll Pipe 50 mm (O.D.) (ISI Mark) (8 Kg Pressure)	Mtr		
9	Supply of HDPE Roll Pipe 63 mm (O.D.) (ISI Mark) (6 Kg Pressure)	Mtr		
10	HDPE Role Pipe Size 63 mm, 08 Kg pressure/cm2, ISI 100 percent Virgin with Min PE100.DN63.PN8 as per IS4984 of 1995 for 02hp & 03Hp and PN10 for 05 HP	Mtr		
11	Supply of Cylinder Assembly: - Cylinder Assembly, Shall be Supplied complete with C.I. Cylinder body with brass liner reducer cap, upper valve assembly and lower valve assembly, size-3ø as per IS 15500/2004 (part III) material and components as.	Nos		
12	Module Mounting Structure for 06 Nos. for 300Wp -335Wp Module	Set		
13	Module Mounting Structure for 10 Nos. for 300Wp-335Wp Module	Set		
14	Module Mounting Structure for 04 Nos. for 450Wp/500Wp Module	Set		
15	Module Mounting Structure for 09 Nos. for 450Wp/500Wp	Set		
16	3 Core 4 Sq mm flat copper Submersible cable having twisted copper conductor	Meter		
17	3 Core 2.5 Sq mm flat copper Submersible cable having twisted copper conductor	Meter		
18	Single Core 4 Sq mm DC copper cable having twisted copper conductor	Meter		

19	Single Core 6 Sq mm DC copper cable having twisted copper conductor	Meter		
20	Steel Wire Rope plastic coated size 8 mm	Meter		
	Steel wire rope plastic coated size 10 mm	Meter		
21	Lightening Arrestor set with earthing Kit including chemical earthing as per IS 3043/IEC 60364-5-54/62561-2, LA-14 feet, GI pipe 30mm, GI strip or 10mm GI wire	Set		
22	Chemical Earthing Kit set with tested compound IEC 6235-3	Set		
23	Supply of HDPE water storage "Tank Cover" for water tank capacity of 5000 Liters.	Nos		
24	Supply of Hand Pump Washer (Leather Bucket) superior quality.	Nos		
25	S.S. anti-theft nut bolt set M8 ISI standard	Nos		
26	Cable tie Stainless steel SS304 12 Inch (300x4.6mm)	Nos		
27	Conduit pipe/black drip pipe 2 mm thick ISI make or black drip pipe made up of liners low density polyethylene for covering back panel wiring	Meter		
28	SS theft proof nut bolt SS304 with washer	Nos		
29	SS Nipple Size 2"	Nos		
30	MS clamp Size 2" with Nut Bolt	Nos		
31	Elbow Size 2"	Nos		
32	GI Socket Size 2"	Nos		
33	Power Card for pump controller/VFD	Nos		
34	RMS Board for pump controller	Nos		
35	MC4 Connector for panel wiring	Nos		
36	Antenna for RMS/VFD/controller	Nos		
37	Heat Sink for VFD/controller	Nos		
38	On/Off Switch for Controller/VFD	Nos		
39	NRV of all type as per requirement of site	Nos		
40	Suction casing-IP as per requirement	Nos		
41	Sand Guard for pumps	Nos		

SCHEDULE - I**PART 'A': GENERAL INFORMATION**

(Strike off whichever is not applicable. Separate sheets should be used, wherever necessary)

01. Name & Address of the Bidder :
02. Name & Address of the firm/Company etc. :
- a. Registered office :
- b. Factory/works address :
- c. Fax Nos. :
- d. Telephone / Mobile Nos. :
- e. Email id :
03. Confirm whether bidder is Manufacturer : Yes/No
04. Only manufacturer to give following particulars
- a. Address of factory :
- b. Year of starting manufacture :
- c. Whether same/similar materials Manufactured earlier (if yes, give reference) :
- d. Yearly/monthly production capacity :
- e. Maximum yearly production : Achieved so far
05. Whether the firm is SSI Unit of : Yes/No Chhattisgarh State:
- a. If yes, write registration No. :
- b. Whether documentary evidence Regarding registration enclosed :
- c. Items for registration :
- d. Period of registration :
- e. Whether latest copy Competency/ furnished : Yes/No Certificate
06. Whether the firm is 100% owned by
- a. State Government : Yes/No
- b. Central Government : Yes/No
- If yes, Notification/certificate issued from : Yes/No The competent authority to this effect is Enclosed
07. a. Whether the bidder is old participant : Yes/No with CREDA
- b. If yes, whether documentary : Yes/No Evidence is enclosed.
08. Any other information that bidder may like details to give in order to highlight his bid : If yes, give

PLACE :

SIGNATURE OF BIDDER

NAME IN FULL

DATE:

DESIGNATION/STATUS

FIRM/COMPANY SEAL

SCHEDULE - I**PART 'B' : COMMERCIAL INFORMATION**

(Strike off, whichever is not applicable. Separate sheets should be used. Wherever necessary)

01. a. Earnest Money Details : Bank draft/Bankers cheque payable to "CREDA", Raipur
- b. Amount of E.M.D. & full details :
- c. Reference of documentary evidence regarding exemption enclosed. : Yes/No
02. Whether the offer is valid for 6 months from the date of opening of commercial/technical bid. : Yes/No
03. Rate of Sales Tax on the date of bid (Exclusive in the rate quoted) :
04. **DISCOUNT:**
- a. Whether any rebate/discount is offered. : Yes/No
- b. If yes, whether the rebate is unconditional/ conditional Rate/amount of rebate/discount : Yes/No
- c. If conditional State condition : Yes/No
05. **PAYMENT TERMS:**
Whether CREDA's terms of payment is acceptable to bidder : Yes/No
06. **COMPLETION PERIOD OF WORK:**
Whether bidder is agreeing for completion period of work as Specified in the tender : Yes/No
07. **PENALTY CLAUSE:**
Whether agreeable to CREDA's Penalty Clause : Yes/No
08. Whether agreeable to CREDA's clause of warrantee period : Yes/No
09. **SECURITY DEPOSIT:**
Whether Security Deposit clause is understood : Yes/No
1. Indicate State, Central Sales Tax Registration Number State : Yes/No
Central:
(Please Note that in case of non-registration with Commercial Tax, Department Purchase Tax as admissible shall be deducted by the Purchaser from the Bills of the supplier)
2. Please mention whether rates offered are applicable for part quantities. : Yes/No

PLACE:

SIGNATURE OF BIDDER

DATE:

NAME IN FULL

DESIGNATION/STATUS

FIRM/COMPANY SEAL

SCHEDULE - II**PART 'C': TECHNICAL INFORMATION**

(Strike off whichever is not applicable. Separate sheets should be used. Wherever necessary)

- | | | |
|-----|--|------------------------------------|
| 01. | Whether material offered is exactly as per technical specification | : Yes/No |
| 02. | Whether the copies of completion certificate received during last 3 years
From other State Nodal Agency or from other Organization for Solar
Pumping systems (if yes, give details) enclosed. | : Yes/No |
| 03. | Whether pamphlets/technical details literatures along with drawing etc.
furnished with the offer | : Yes/No
(if yes, give details) |
| 04. | Whether the bidder agrees to furnish material test certificates in
respect of chemical composition and physical properties from Govt./
Govt. approved lab with each batch of supplies. | : Yes/No |
| 05. | Whether the bidder has furnished details of manufacturing
equipment's and short history of plant | : Yes/No
(if yes, give details) |
| 06. | Whether details of manufacturing process furnished with offer. | : Yes/No
(if yes, give details) |
| 07. | a) Whether all testing facilities are available.
If so, give details and in case of non-availability of facilities indicate
approved lab available in surrounding areas where tests are proposed
to be conducted. | : Yes/No |

PLACE

SIGNATURE OF BIDDER

DATE

NAME IN FULL

DESIGNATION/STATUS

FIRM/COMPANY SEAL

SCHEDULE - III
TECHNICAL DEVIATIONS

From,
 Bidder Name & Address -

To,
 The CE,
 CREDA, HO,
 Raipur

Sub - Technical Deviations.

Dear Sir,

The technical deviations & variations to the specifications stipulated in the tender, for the item quoted are as under -

Sl.No.	Condition	Clause No. of Tender Document	Page No. of Tender document	Statement of deviations and Variations
--------	-----------	-------------------------------------	-----------------------------------	--

2. Except aforesaid deviations, the entire order, if placed, on us shall be executed in accordance with your specifications and other conditions. Variation/deviations etc, if found, elsewhere in our offer should not be given any considerations while finalizing the tender.

PLACE

SIGNATURE OF BIDDER

DATE

NAME IN FULL

DESIGNATION/STATUS

FIRM/COMPANY SEAL

NOTE-Continuation sheet of like size & format may be used as per bidder's requirements and shall be annexed to this schedule.

SCHEDULE - IV**PAST EXPERIENCE****From :**

Bidder's Name & Address -

To,The CE,
CREDA, HO,
Raipur.**Sub - Performance/ Past Experience.****Dear Sir,**

We furnish herewith the record of our performance and experience as follows -

Sl.No.	Purchaser's Name & Address	Order No. Date	Ordered Quantity	Qty. supplied (Nos.)	Value of Order
--------	-------------------------------	-------------------	---------------------	-------------------------	-------------------

PLACE

SIGNATURE OF BIDDER

DATE

NAME IN FULL

DESIGNATION/STATUS

FIRM/COMPANY SEAL

NOTE- Photocopy of the completion certificate received from other State Agencies/Govt. Undertakings etc. should be enclosed.

ANNEXURE - I

FORMAT FOR THE AFFIDAVIT

(Declaration of conflict of Interest)

(Note: This affidavit should be on a non-judicial stamp paper of Rs. 100/- and shall be attested by Magistrate/Sub-Judge/ Notary Public)

I.....(Name of the bidder authorized representative of the bidder)
son/daughter ofresident of
.....(full address), aforesaid solemnly affirm and state as under:

1. I hereby certify that all the information furnished with the bid submitted in response to notice inviting bid number 194577/CREDA/REPAIR & Maintenance/2026-27 Dated: 01.07.2026 issued by Chhattisgarh State Renewable Energy Development Agency (CREDA) (authority inviting bids) for Standardization of Rates for supply and installation of Submersible/Surface Pumps (AC/DC), Controller of various capacities and make, HDPE pipe, Module Mounting Structure, Water distribution material along with other BOS of solar irrigation pump installed under various phases of "SAUR SUJLA SCHEME" & Solar dual and drinking water pump installed under JJM and others scheme anywhere in the state of Chhattisgarh for repair and maintenance work (name and identification of work) are true and correct.
2. I hereby certify that I have been authorized by.....(Company name) to sign on their behalf, the bid mentioned in sr.no.1 above."
3. Information furnished in the bidding documents is correct in all respects to the best of my knowledge and belief.
4. The near relations as per clause 30(A), in CREDA, are not in employment of the firm/company. (Note:-By the term near relatives is meant Wife, Husband, Parents and Son, Brother, Sister, Brother-in-law, Father-in-law, Mother-in-law etc.) (if working mention the name/names)
.....
.....
5. The name of near relative (if any) as per Clause 30(B) who retired/removed within the last two years. (If None, clearly State None)
.....
.....
6. No near relative is working as Financial Accountant in the CREDA. (if working mention the name)
.....
.....
7. No person is working in the company in any capacity, who are near relatives to any Officer in Chhattisgarh State Renewable Energy Development Agency (CREDA) (If working

mention the name)

.....

.....

8. Our company/firm/ or otherwise is not under the clarification of ineligibility for corrupt and fraudulent practices by the Central Government, the State Government or any public undertaking, autonomous body, authority by whatever name called under the Central or the State Government, as mention in clause 1(F) of tender document.
9. I hereby authorize the CREDA Officials to get all the documents verified from appropriate sources (s).

Deponent

Place :

Date :

* Not applicable if the bidder is an individual and is signing the bid on his own behalf.

Verification

I,..... S/o..... do here by affirm that contents stated in Para 1 to 09 above and contents submitted in technical & financial bid are true to the best of my knowledge and believe and are based on my/our record.

Verified that this date of at (Place).....

Deponent

ANNEXURE - II

DRAFT AGREEMENT

CONTRACT AGREEMENT BETWEEN Chief Engineer Chhattisgarh State Renewable Energy Development Agency (CREDA) Raipur AND M/s..... Represented by THIS CONTRACT AGREEMENT against Tender No. 194577/CREDA/REPAIR & MAINTENANCE/2026-27 Dated: 01.07.2026 (also referred to as "Service Contract") is made on the ____ day of ____ 2026.

BETWEEN

- (1) Chief Engineer Chhattisgarh State Renewable Energy Development Agency (CREDA) Raipur a society incorporated under the laws Society Registration Act 1973 , (1973 , Sr. No. 44) (with amendment from time to time) and having its Registered Office at VIP Road Near Energy Education Park, Village- Fundhar, Raipur and (hereinafter called "The Employer" and also referred to as "CREDA")

And

- (2) Represented by a company incorporated under the laws of Companies Act 1956/2013/ Partnership firm/ Proprietorship firm/ Consortium (as applicable, with amendment from time to time) and having its Principal place of business at and Registered Office at hereinafter called "The Contractor" and referred to as "....."

Whereas the contractor has offered to enter into contract with the said CREDA Standardization of Rates for supply and installation of Submersible/Surface Pumps (AC/DC), Controller of various capacities and make, HDPE pipe, Module Mounting Structure, Water distribution material along with other BOS of solar irrigation pump installed under various phases of "SAUR SUJLA SCHEME" & Solar dual and drinking water pump installed under JJM and others scheme anywhere in the state of Chhattisgarh for repair and maintenance work Vide Tender No. 194577/CREDA/REPAIR & MAINTENANCE/2026-27 Date 01.07.2026 on the terms and conditions herein contained and the rates approved by the CREDA (Letter No. dated annexed here to) have been duly accepted and whereas the necessary security deposit shall be furnished in accordance with the provisions of the tender document and whereas no interest will be claimed on the security deposits.

Now these presents witness and it is hereby agreed and declared by and between parties to these presents as follows-

1. The Contractor shall, during the period of this contract, that is to say from to or completion thereof, until this Contract shall be determined by such notice as is hereinafter mentioned, safely carryout, by means of labours employed at his own expenses and by means of tools, implements and equipment etc. to be supplied by him to his labour at his own expenses, for supply and installation for replacement of submersible/Surface Pumps(AC/DC), Controller of various capacities and make, HDPE pipe, Solar Module, Module Mounting Structure, and other BOS for repairing of solar irrigation pump installed under various phases of "SAUR SUJLA SCHEME" as described in tender documents. (Annexed to the agreement).
2. The NIT (Notice Inviting Tender), Corrigendum to NIT, Notices, Bid documents (Qualifying, Technical and Financial), approved rates annexed hereto and such other additional particulars, undertaking, instructions, general conditions of contract, Scope of work, Technical specifications of items and Annexure therein, engineering documents, detailed specifications of BOS & drawings, so far they relate to the Tender No. 194577/CREDA/ REPAIR & MAINTENANCE/2026-27 Dated: 01.07.2026 and corresponding corrigendum / amendments if any, as may be found requisite to be given during execution of the work shall be deemed and taken to be an integral part of the

contract and shall also be deemed to be included in the expression "The Agreement or "The Contract "wherever herein used.

3. The contractor shall also supply the requisite number of workmen with means & materials as well as tools, appliances, machines, implements, vehicles for transportation, cartage etc. required for the proper execution of work within the time prescribed in the work orders and /or as per the tender conditions.
4. The Engineer in Charge or his authorized representative (s) shall be entitled at all reasonable times to inspect and supervise and test during installation and commissioning. Such inspection will not relieve the eligible bidder from their obligations under this contract.
5. Material can be inspected before dispatch or in transit by the authorized representatives of CREDA at the factory at the cost of the eligible bidder, if desired by CREDA. CREDA reserves right to inspect the material at Godowns/Temporary Stores before dispatch and also at works sites.
6. CREDA shall deduct TDS for Income Tax, applicable cess on Civil Work etc. under various acts and deposited with the appropriate authority. Costs and taxes before execution of agreement with CREDA so as to ensure tax deposition as per Government Rules accordingly.

7. ELIGIBLE SYSTEM INTEGRATOR'S LIABILITY IN CASE OF DEFAULT -

CREDA may by written notice of default to the eligible bidder, terminate the contract in circumstances detailed hereunder -

- a. If in the opinion of the CREDA, the eligible bidder fails to complete the work within the time specified in the sanction order or within the period for which extension has been granted by CREDA to the eligible bidder.
- b. If in the opinion of CREDA, the eligible bidder fails to comply with any of the provisions of this contract.
- c. In the event of CREDA terminating the contract in whole or in part as provided in paragraph (a) above, CREDA reserves the right to engage another eligible bidder or agency upon such terms and in such a manner as it may deem appropriate and the eligible bidder shall be liable to CREDA for any additional costs due to the cost inflation in delayed period or any losses caused to CREDA as may be required for the completion of work and or for penalty as defined under this tender document until such reasonable time as may be required for the final completion of the work. In repetition of work, the bidder will be debarred or blacklisted for up to three years for taking part in any activities of CREDA.
- d. In the event CREDA does not terminate the contract as provided in paragraph(a) the eligible bidder shall continue performance of the contract in which case he shall be liable to CREDA for penalty for delay as set out in this tender document until the work is completed.

8. FORCE MAJEURE -

The eligible bidder shall not be liable for any penalty for delay or for failure to perform the contract for reasons of FORCE MAJEURE such as of God, acts of public, enemy, acts of government, cyclone, fires, floods, epidemics/pandemics, quarantine restrictions, lockdown, strikes, freight embargoes provided that if bidder shall submit delay notice with appropriate cause of delay to the CREDA in writing within 15 days of force majeure. CREDA shall verify the facts and may grant such extension as facts justify. Delay in supply of any item by the related vendors, to whom the bidder has placed order, shall also not be treated as force majeure.

9. REJECTION OF WORKS -

In the event of any of the material supplied/work done by the eligible bidder is found defective in material or workmanship or otherwise not in conformity with the requirements of this contract specifications, CREDA shall either reject the material and/or work and advise the eligible bidder to rectify the same.

CREDA may impose penalty for such rejection up to the 200% cost of the entire system. Habitual/repeated offenders shall be black listed/debarred to participate in the any Tender/ Activity of CREDA for a period up to three years. The eligible bidder on receipt of such notices shall rectify or replace the defective material and rectify the work free of cost. If the eligible bidder fails to do so CREDA may -

- a. At its option replace or rectify such defective materials and/or work and recover the extra cost so involved from the eligible bidder plus 15% service charges of the cost of such rectification, from the eligible bidder and/ or terminate the contract for balance work/ supplies with enforcement of penalty as stated above.
- b. Defective materials/workmanship will not be accepted under any conditions and shall be rejected outright without compensation. The eligible bidder shall be liable for any loss/damage sustained by CREDA due to defective work with enforcement of penalty as stated above.

10. EXTENSION OF THE TIME -

If the completion of supply/work is delayed due to any reason beyond the control of the eligible bidder, the eligible bidder shall without delay give notice to the CREDA in writing of his claim for an extension of time. CREDA on receipt of such notice may or may not agree to extend the contract/delivery date of the Solar System as may be reasonable but without prejudice to other terms and conditions of the contract.

Chief Executive Officer, CREDA has full right for unconditional time extension.

11. PENALTY FOR DELAY IN COMPLETION OF CONTRACT -

- a. If the eligible bidder fails to complete the assigned work within the schedule time specified in the Work Order or any extension granted there to, CREDA will recover from the bidder as penalty of up to 0.5 percent per week/two percent (2%) per month of the system price excluding GST for every delayed system. For this purpose, the date of taking over shall be reckoned as the date of completion. The total penalty shall not exceed 5% (Five percent) of the cost in 05 months. The eligible bidder shall not be liable for any penalty for delay or for failure to perform the contract for reasons of FORCE MAJEURE.
- b. Review of the progress of work order allocated to bidders shall be done time to time by CREDA and if the progress of work/supply is found unsatisfactory, the allocation of entire remaining work/supply or their part of can be re-allocated to other bidder as per discretion of CREDA.
- c. In case of not completion of work by bidder after maximum penalty period i.e. 05 month from last date of completion. The work shall be allocated to other System Integrator as describe in above point 15 b.

In this case the escalated cost of the system shall be recovered from S.D. and/or EMD in all project of bidder failing compliance of allocated work within stipulated and extended time for completion of work.

12. PENALTY DUE FROM THE ELIGIBLE BIDDER -

All costs of damages and delays for which the eligible bidder is liable to the CREDA will be deducted from any money due to the eligible bidder including the security deposit of any project under CREDA.

13. RESPONSIBILITY OF ELIGIBLE BIDDER -

Notwithstanding anything mentioned in the specifications of subsequent approval or acceptance of the WORK/SUPPLY by CREDA, if any, the ultimate responsibility for satisfactory performance of the entrusted work shall rest with the eligible bidder. If in any case the eligible bidder does not complete the work as per the work orders issued to them then CREDA may take over the task & complete the project at the risk and cost of eligible Bidder.

14. RESPONSIBILITY TO RECTIFY THE LOSS AND DAMAGE -

If any loss or damage occurs to the work or any part thereof or materials/plant/equipment is for incorporation therein the period for which the eligible bidder is responsible for the cause thereof or from any cause whatsoever, the eligible bidder shall at his own cost rectify/replace such loss or damage, so that the permanent work confirms in every respect with the provision of the contract to the satisfaction of the Engineer. The eligible bidder shall also be liable for any loss or damage to the work/equipment's occasioned by him in course of any operation carried out to him during performing the contract.

Care should necessarily be taken to make the supplied part operational, once the reporting of the fault/non-operational status is done, within 07 days. If the supplied component is not made operational within 15 days, the rectification/replacement (keeping the same configuration in consideration) will be done by CREDA at the risk and cost of system integrator, after rectification / replacement the warranty clause will remain compliable as per tender conditions and if the system integrator fails to rectify the faulty system within 30 days then this may lead to blacklisting and debarment of bidder from all the activities of CREDA for 03 Years.

15. RESPONSIBILITY TOWARDS THE WORKMAN OR OUTSIDERS -

- a. The eligible bidder shall have to take insurance coverage from any authorized Insurance Company against Workmen compensation due under Workmen Compensation Act and submit copy of the insurance document before issuance of Sanction order if required.
- b. The eligible bidder shall ensure all safety measures during execution and repairs of the work. CREDA will, in no case be responsible for any accident fatal or non-fatal, caused to any workman or outsider in course of transport or execution or repairs of work.
- c. All the expenditure including treatment or compensation will be entirely borne by the eligible bidder. The eligible SI shall also be responsible for any claims of the workers including PF, Gratuity, ESI & other legal obligations.
- d. Bidder shall have to submit JCCs within 20 days after supply of material in District Office of CREDA.

16. Contractor shall provide 05-year warranty in all the items from the date of supply as per the terms & conditions prescribed in the Tender No. 194577/CREDA/ REPAIR & MAINTENANCE/2026-27 Dated: 21.07.2026.

17. DECLARATION OF CONFLICT OF INTEREST -

- a. Any regular employee working or worked on basis of contract or through placement agency cannot work directly or indirectly in any scheme of CREDA. If such a person is found working with any bidder then, such bidder shall be blacklisted for three years.

- b. The bidder shall not be permitted to Bid for the work if the section of HO CREDA (responsible for implementation of work) in which his near relative is posted. Furthermore, the successful bidder shall not be given work in the district in which his near relative is posted. The bidder shall also intimate the names of his near relatives working in CREDA. Bidder shall also intimate the name of persons who are working with him in any capacity and who are near relatives to any employee in CREDA. Any breach of this condition by SI would render himself liable to be blacklisted for three years and removed from approved list of SIs in CREDA.

Note:- By the term near relatives are meant Wife, Husband, Parents and son, Brother, Sister, Brother-in-law, Father-in-law, and Mother-in-law etc.

- c. Bidder must produce an affidavit (Annexure – IV) stating the names of retired/removed employee of CREDA (if any) in his employment who retired /removed within last two years, if in case there is no such person in his employment, his affidavit should clearly state this fact. This affidavit is mandatory, if it is not produced along with the bid, the bid shall be rejected.
18. The contractor shall abide by the terms and conditions, rules, guidelines, construction practices, safety precautions etc. stipulated in the tender document including any correspondence between the contractor and the CREDA having bearing on execution of work and payments of work to be done under the contract.
19. The contractor shall be responsible to follow all the laws including Workmen Compensation Act and all other laws in force & shall be responsible for all the obligations towards labour including EPF, ESI, etc.
20. All the taxes deductible at source as per Acts in vogue shall be recovered by CREDA and deposited with the appropriate authorities.
21. Contractor agrees to abide by any decision/instruction passed by the appropriate authority under Anti-profiteering rules notified by the state/central government under GST act.
22. Any dispute arising out of the contract shall be subject to and resolved as per the decision of C.E.O., CREDA.

"I/we hereby state that we have provided information of our near relatives as stated in the affidavit attached at "Annexure- I".

"Herewith everything and anything contained in Tender document no. 194577/ CREDA/REPAIR & MAINTENANCE/2026-27 Dated: 21.07.2026 and corresponding corrigendum/ amendments if any, is part of this agreement which has been dully signed by both bidder and authorized signatory of CREDA".

In witness whereof the parties present today has hereby entered into agreement.

**Signed & sealed on behalf of the above
Named contractor**

Signed on behalf of CREDA
Name :
Designation: Chief Engineer

Witness:

1. Name:-

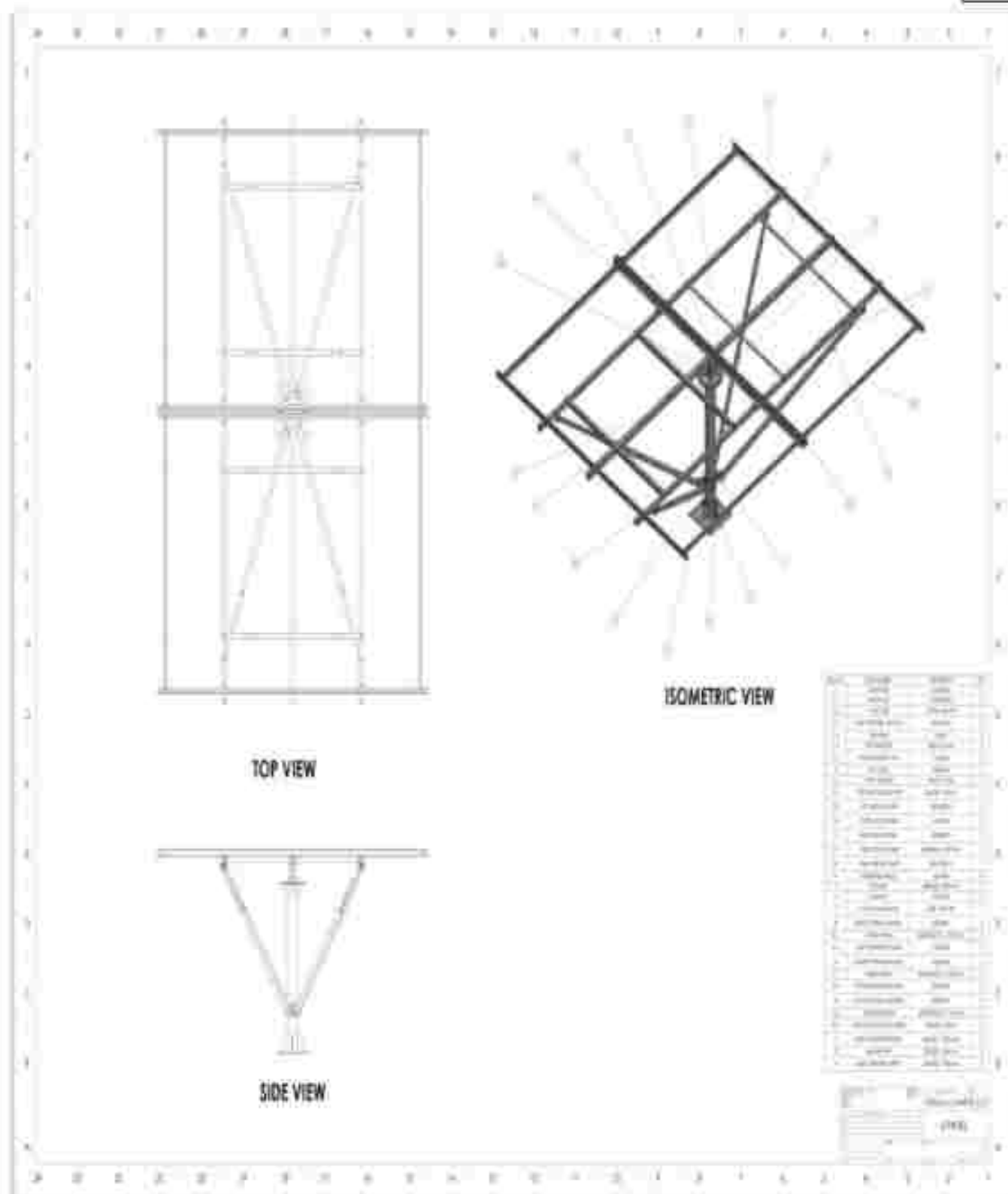
2. Name:-

Address:-

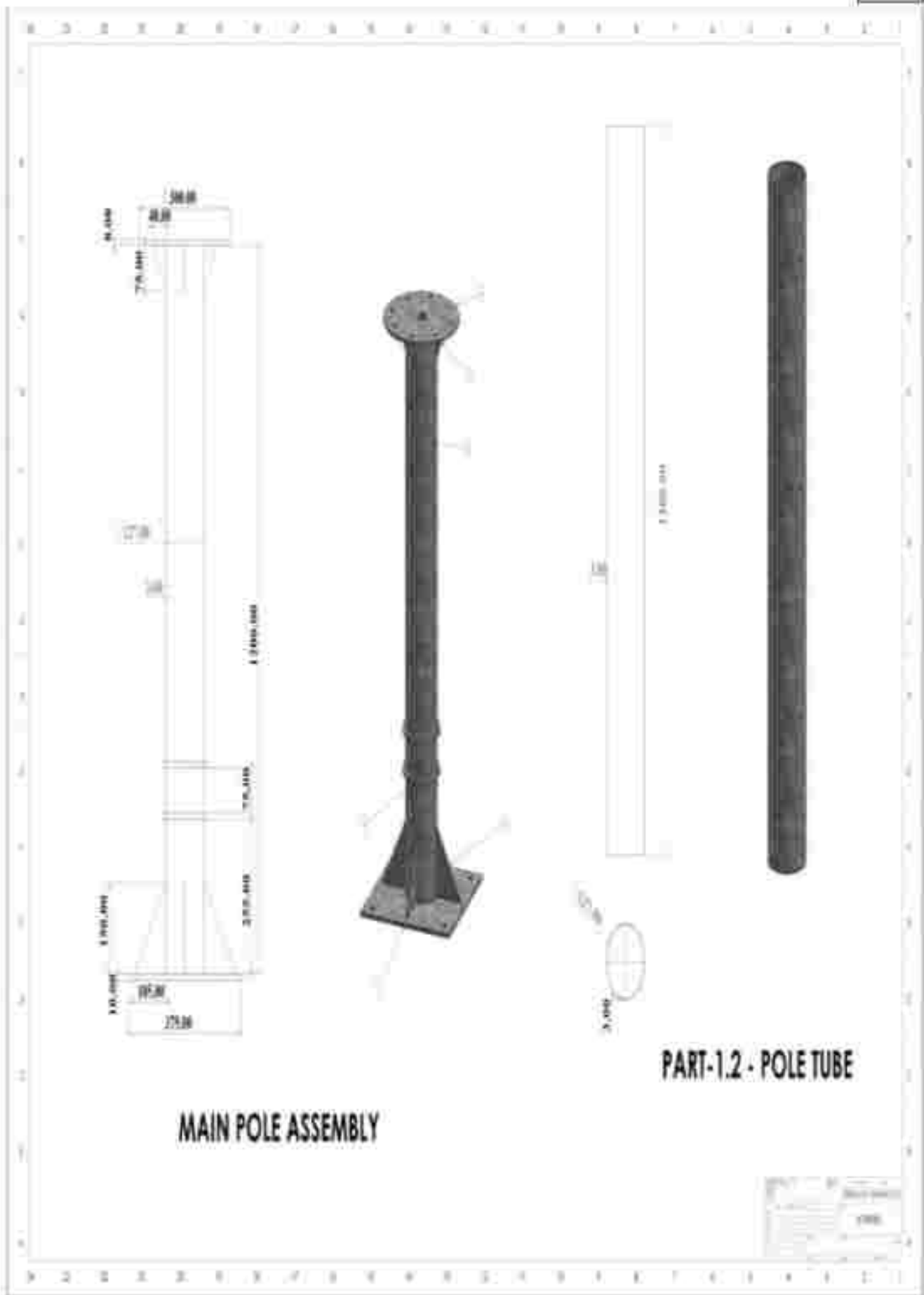
Address:-

Complete Drawing of Module Mounting Structure**Drawings of 06 nos. MMS for 320 Wp and above**

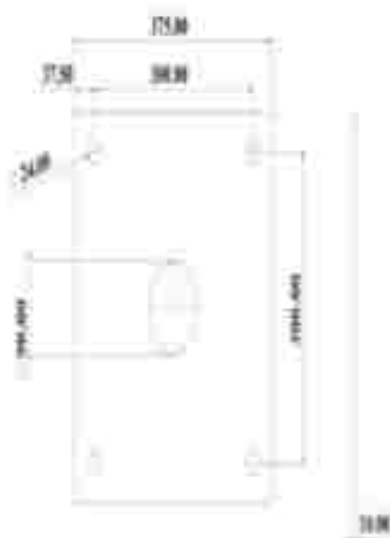
A-1/2



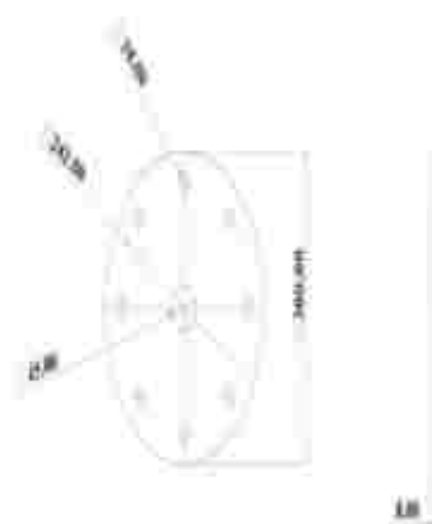
A-3



A-4



PART-1.1 - BASE PLATE



PART-1.5 - TOP PLATE

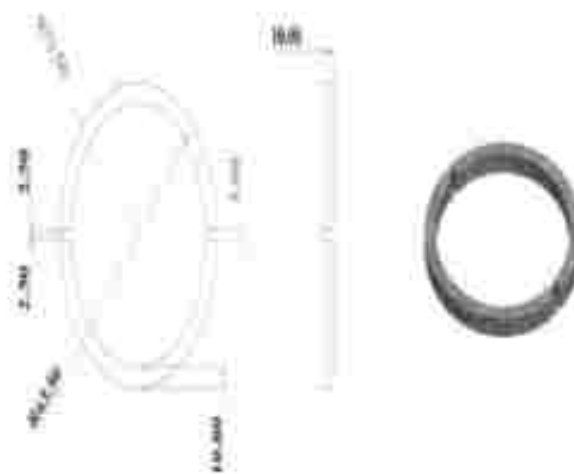




PART-1.3 - STIFFENER-BOTTOM

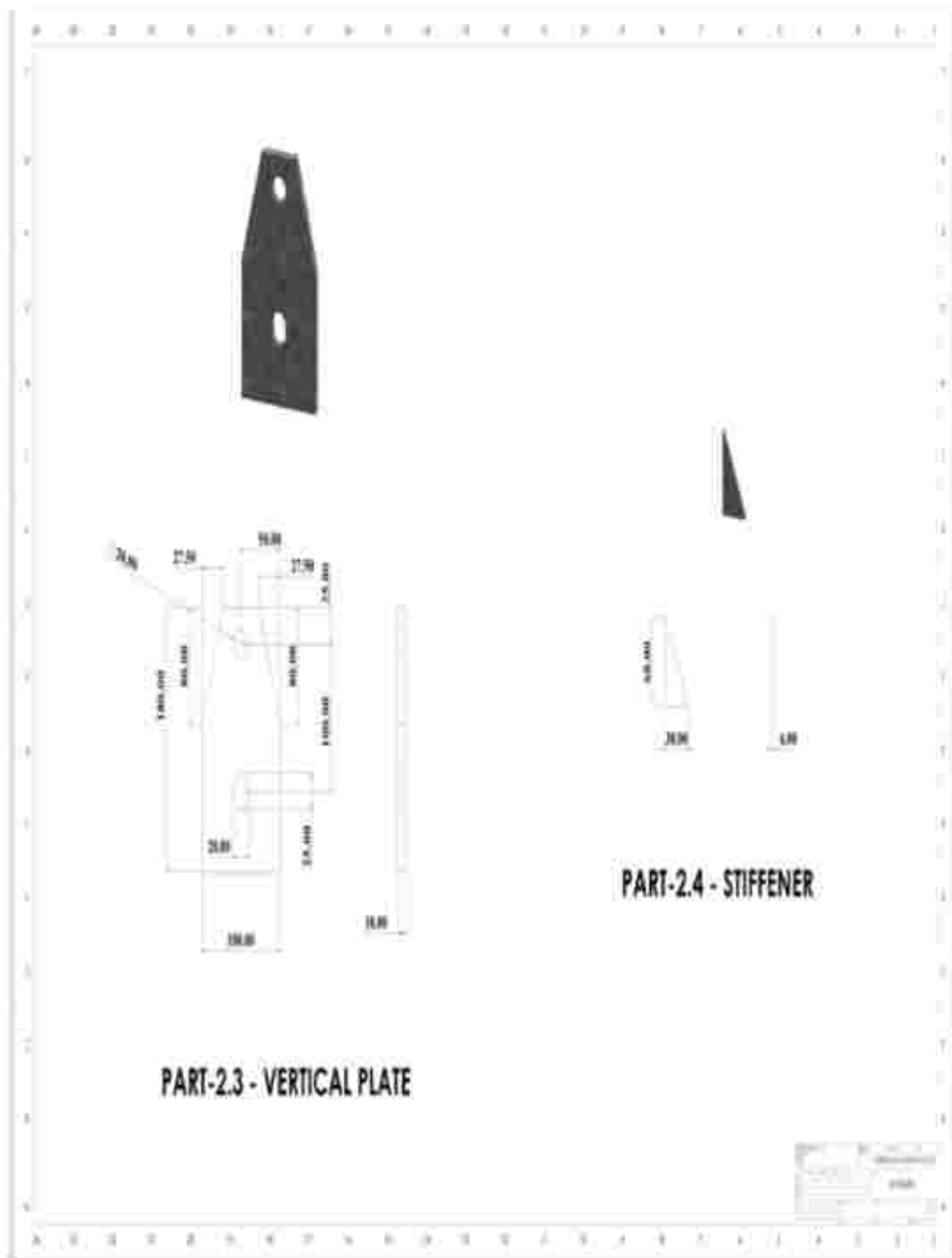


PART-1.6 - STIFFENER-TOP



PART-1.4 - POLE RING

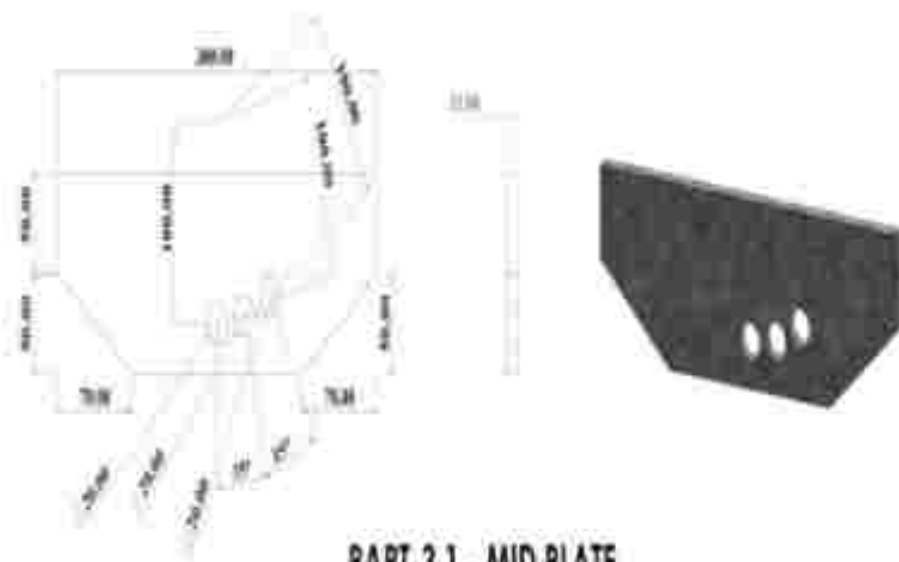
A-7



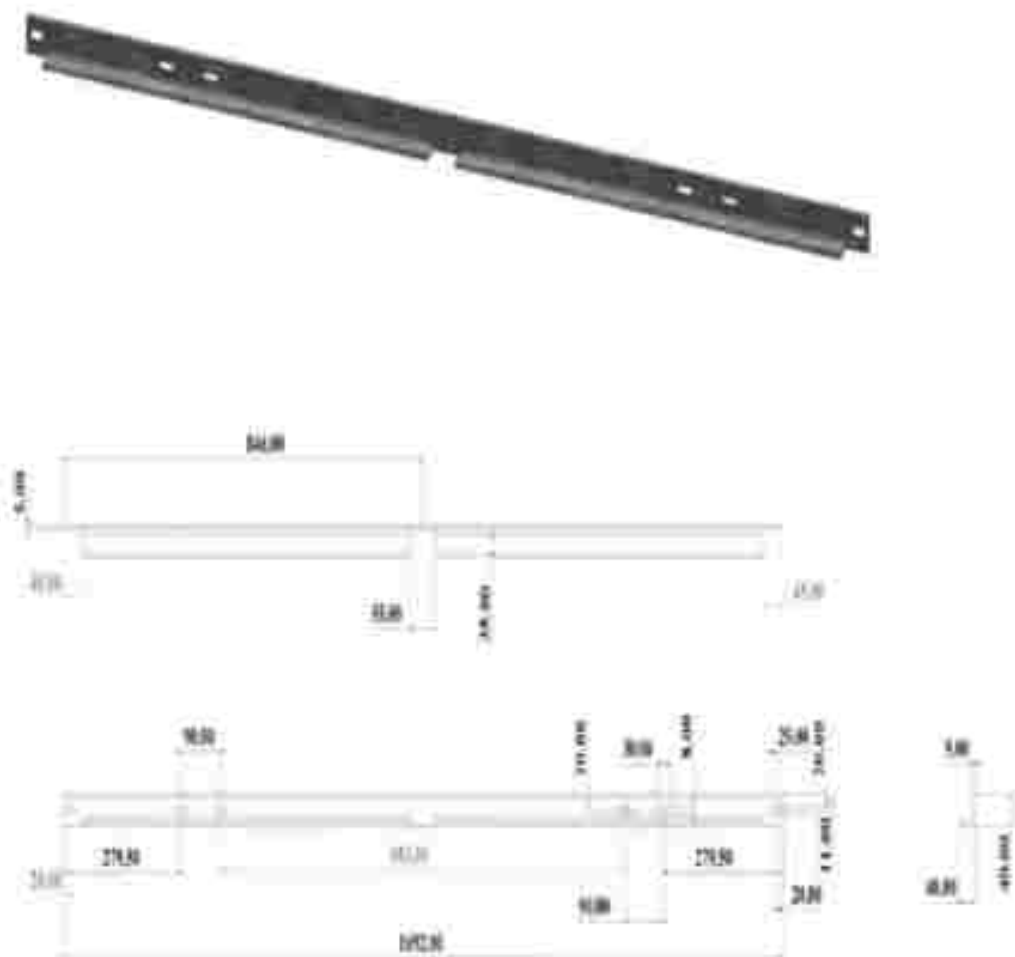
A-8



PART-3 - MAIN TUBE

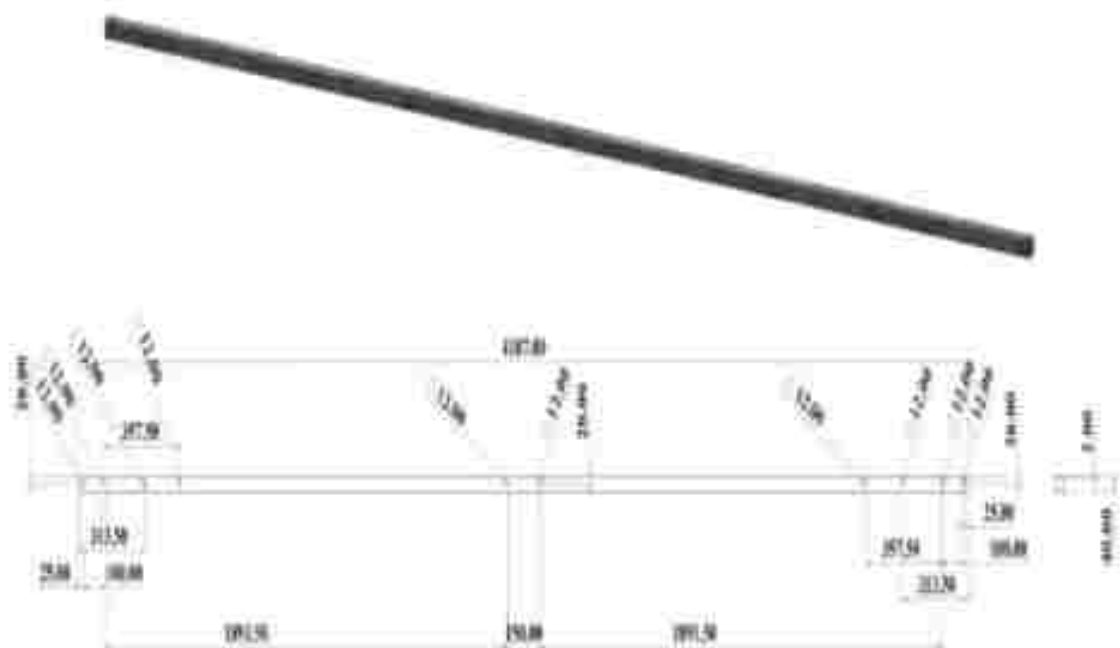


PART-3.1 - MID PLATE



PART-4 - MOUNTING ANGLE

A-10



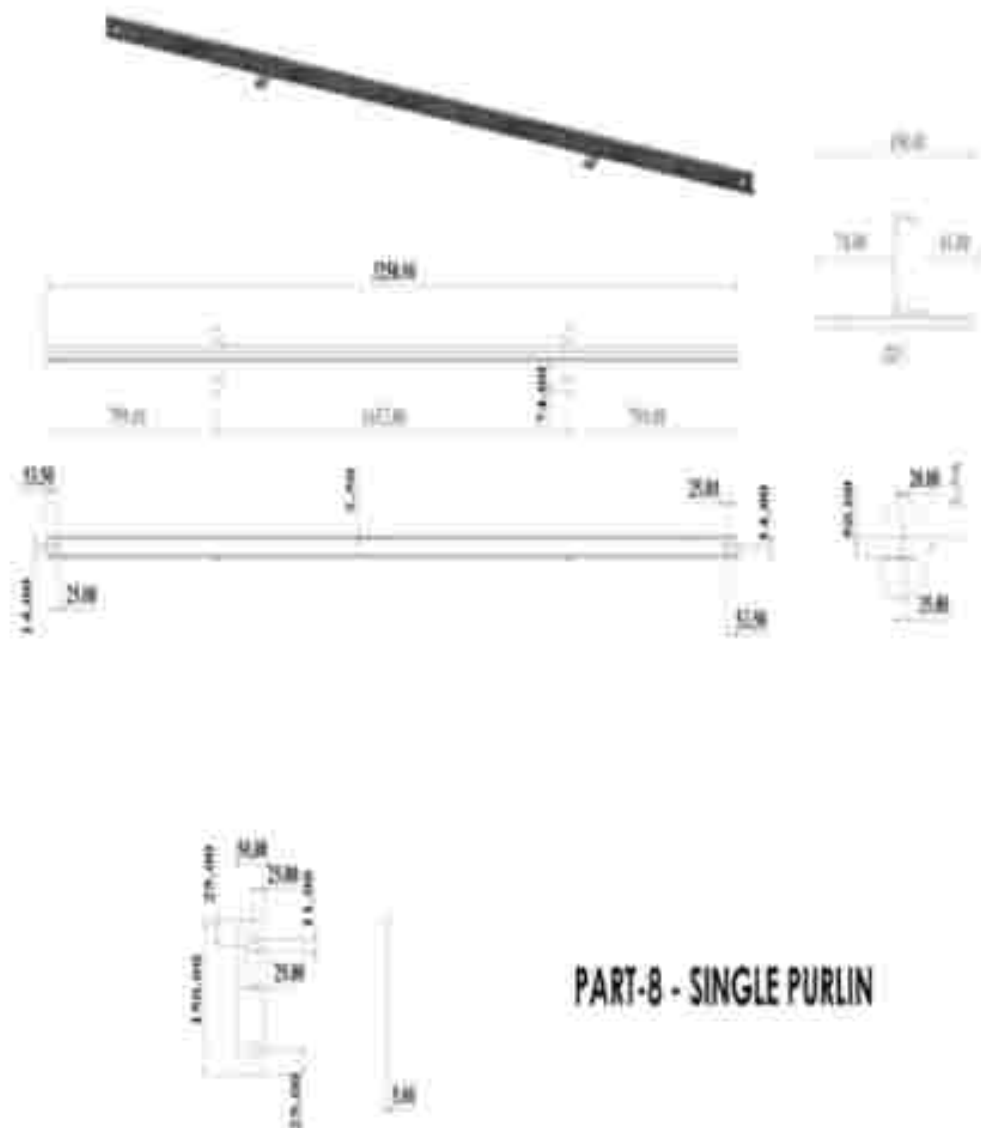
PART-5 - SIDE TUBE



PART-6 - U-CLAMP



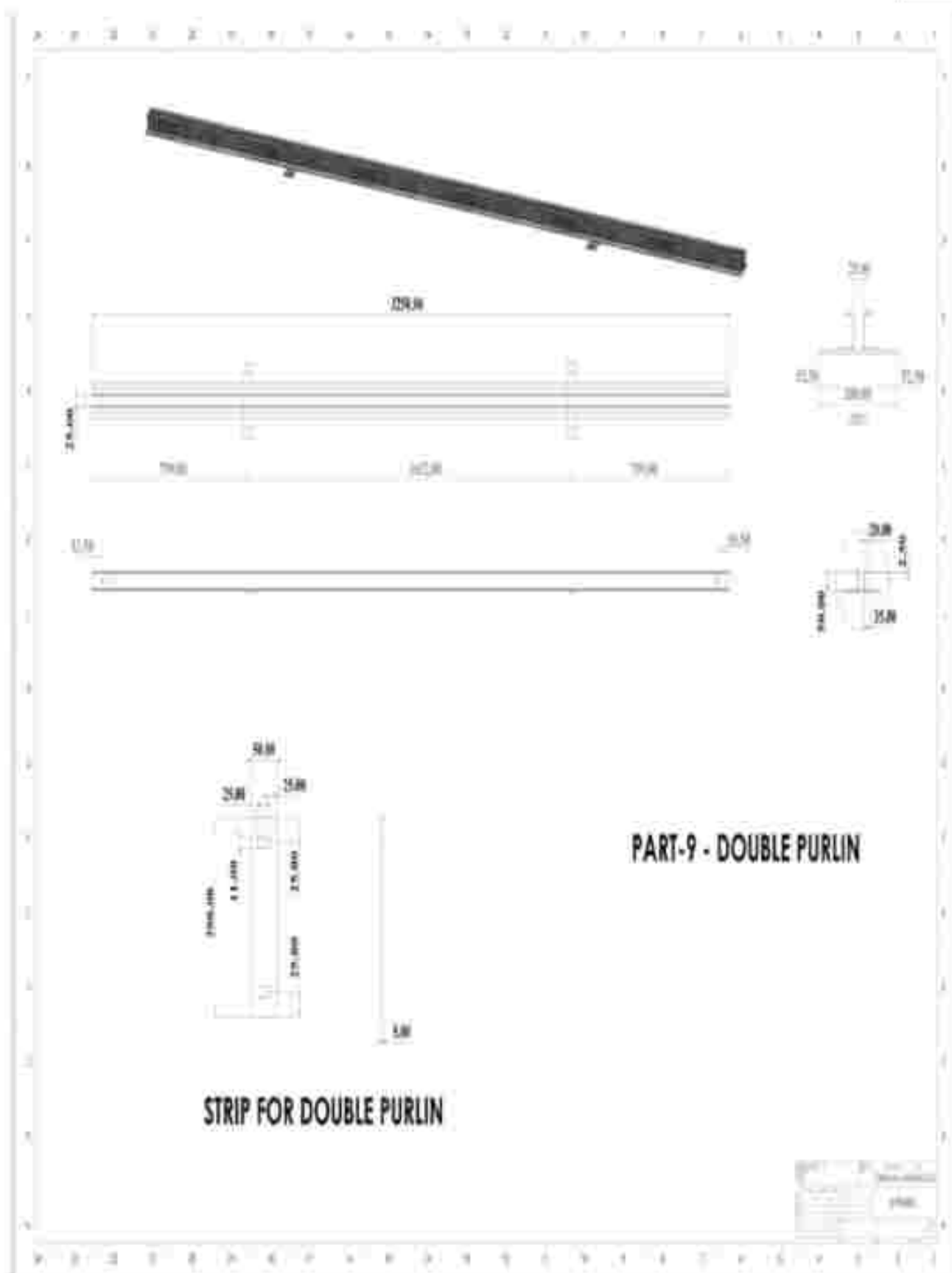
A-12



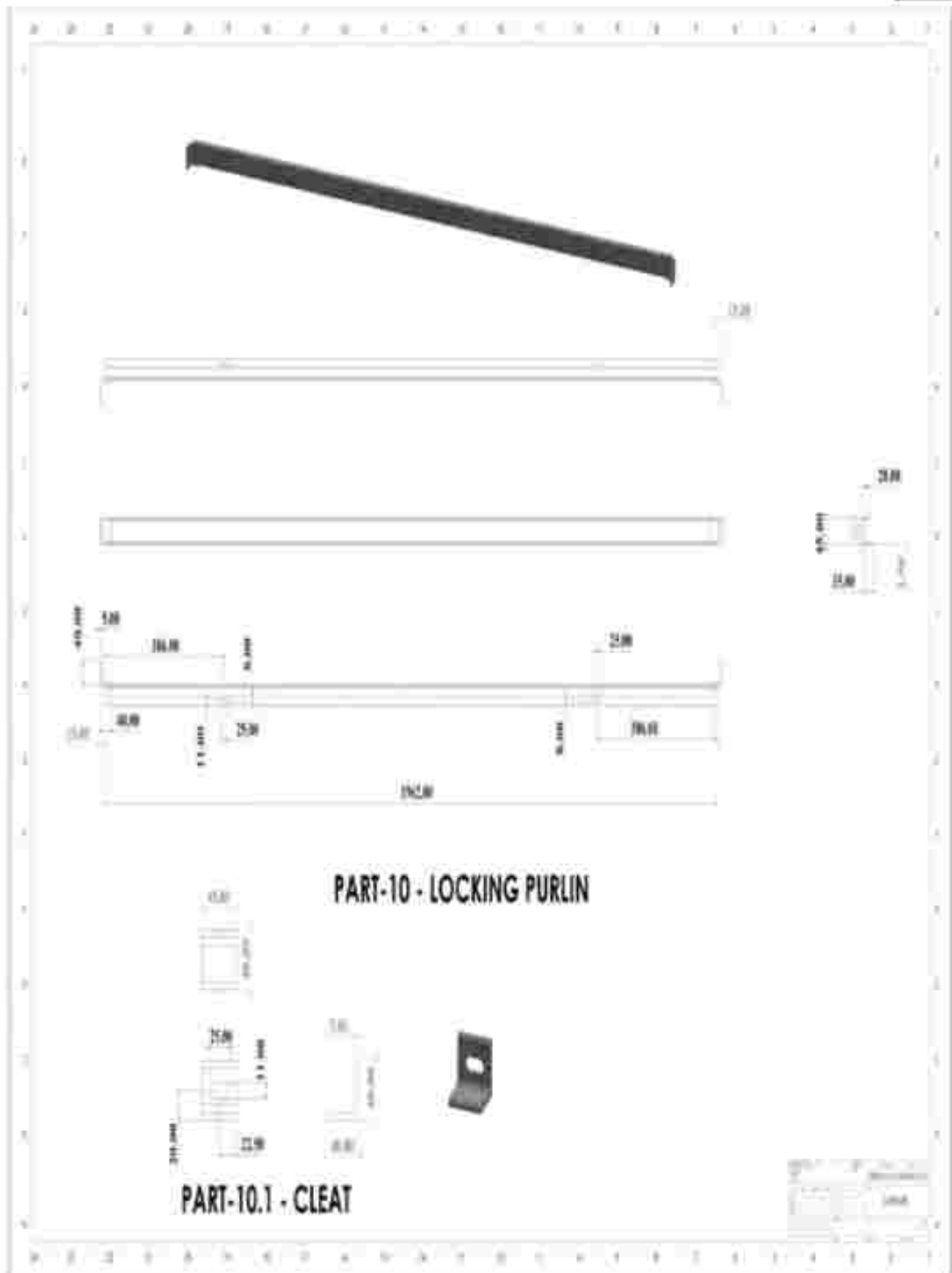
PART-8 - SINGLE PURLIN

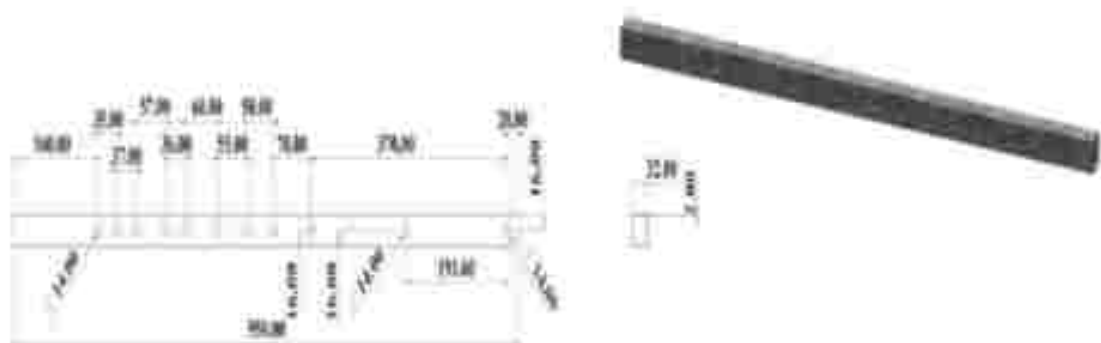
STRIP FOR SINGLE PURLIN

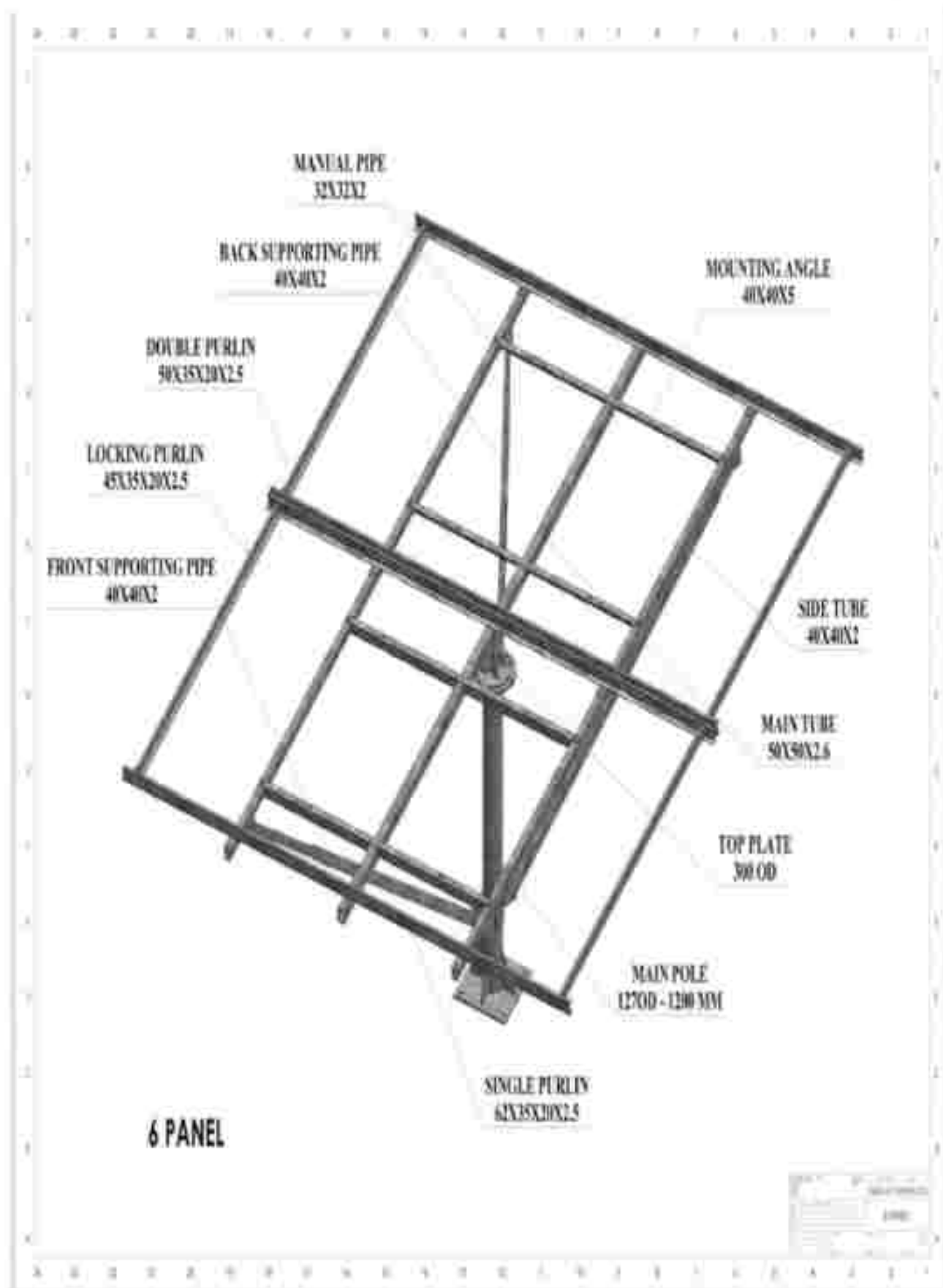
A-13

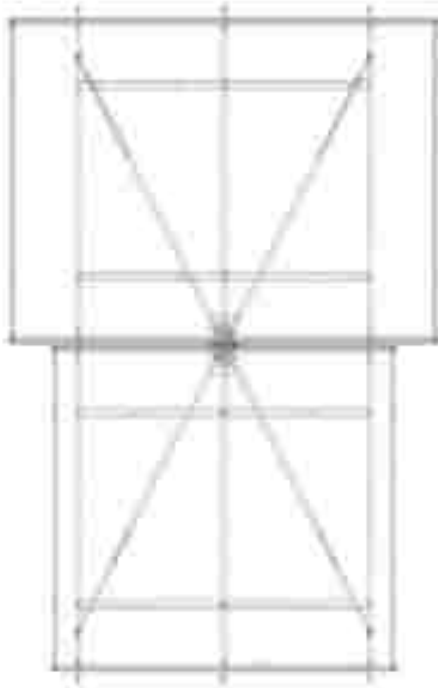


A-14

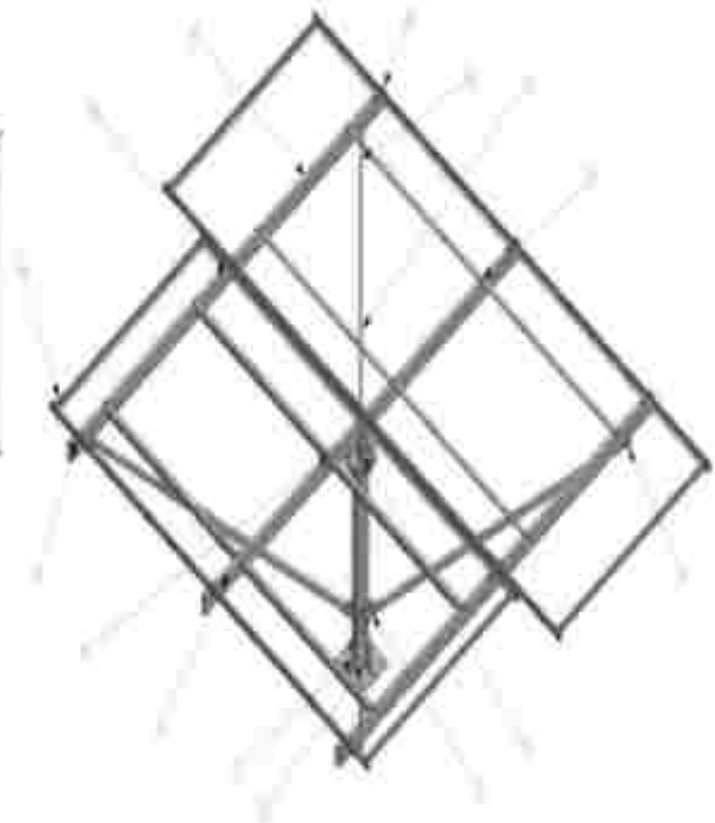


**PART-13 - BACK SUPPORTING PIPE****PART-11 - FRONT SUPPORTING PIPE****PART-12 - MANUAL PIPE**



Drawings of 09 nos. MMS for 320 Wp & above

TOP VIEW



ISOMETRIC VIEW

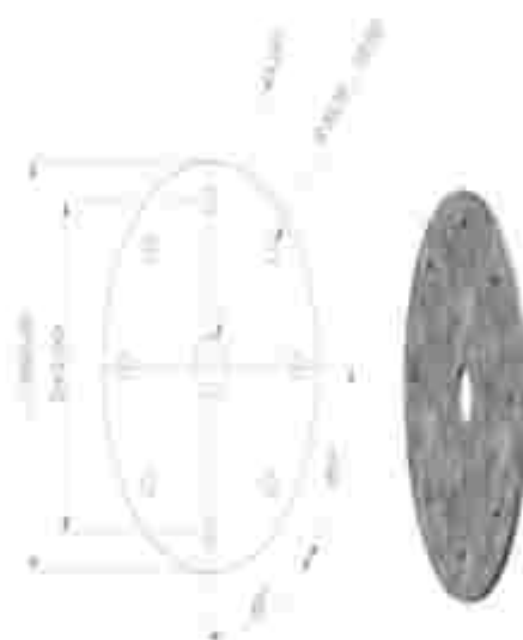


FRONT VIEW

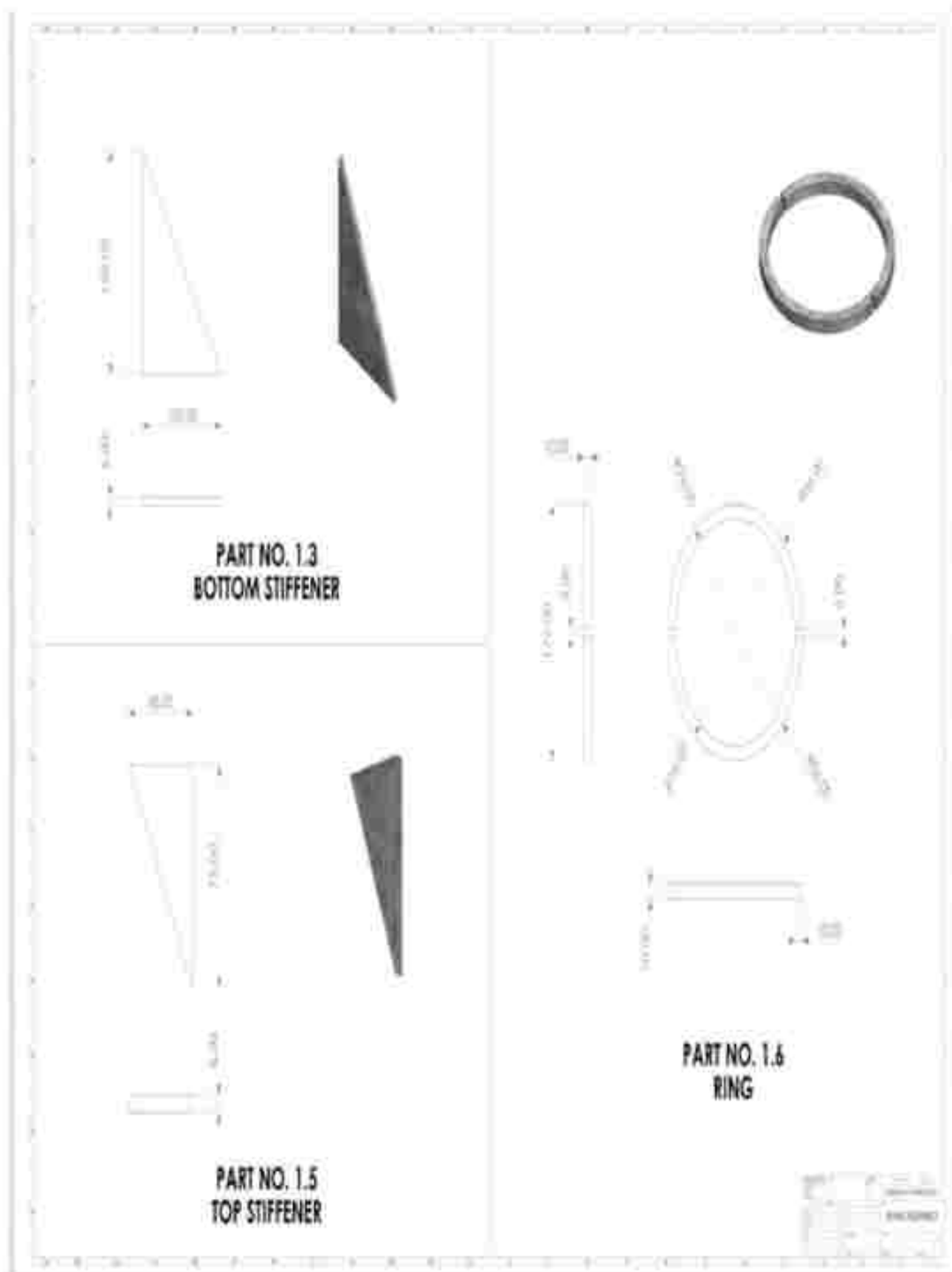
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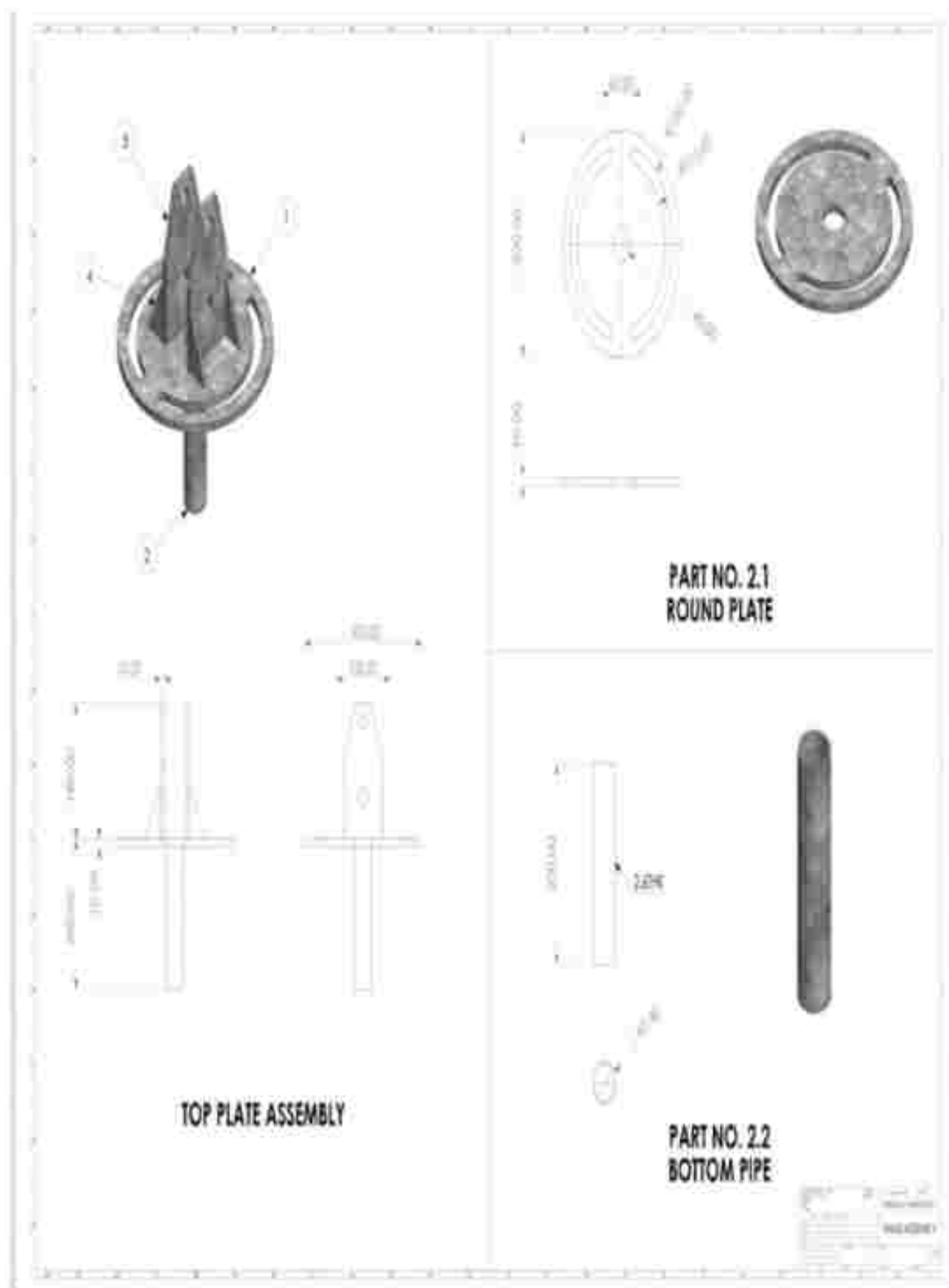


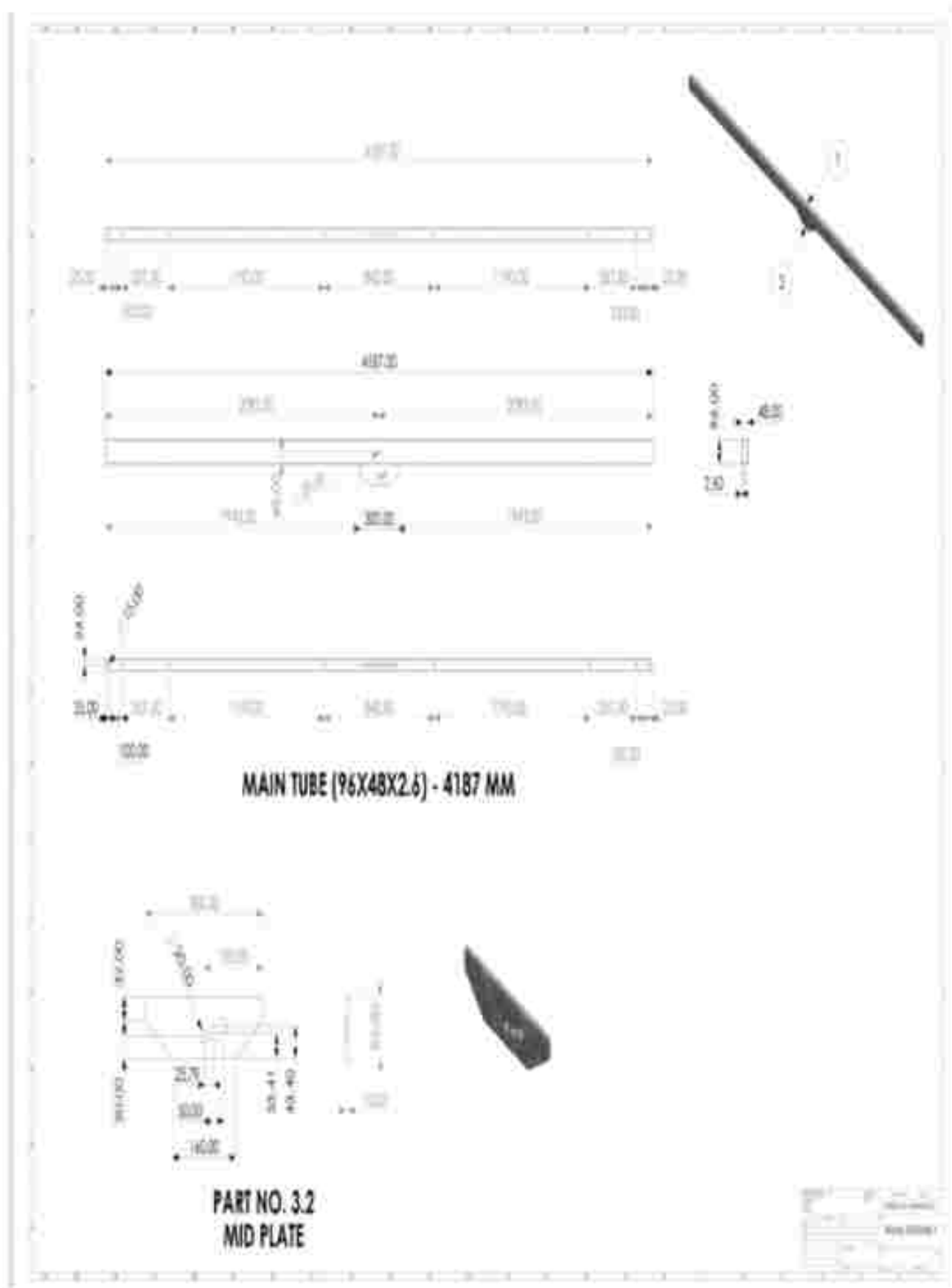
**PART NO. 1.1
BASE PLATE**

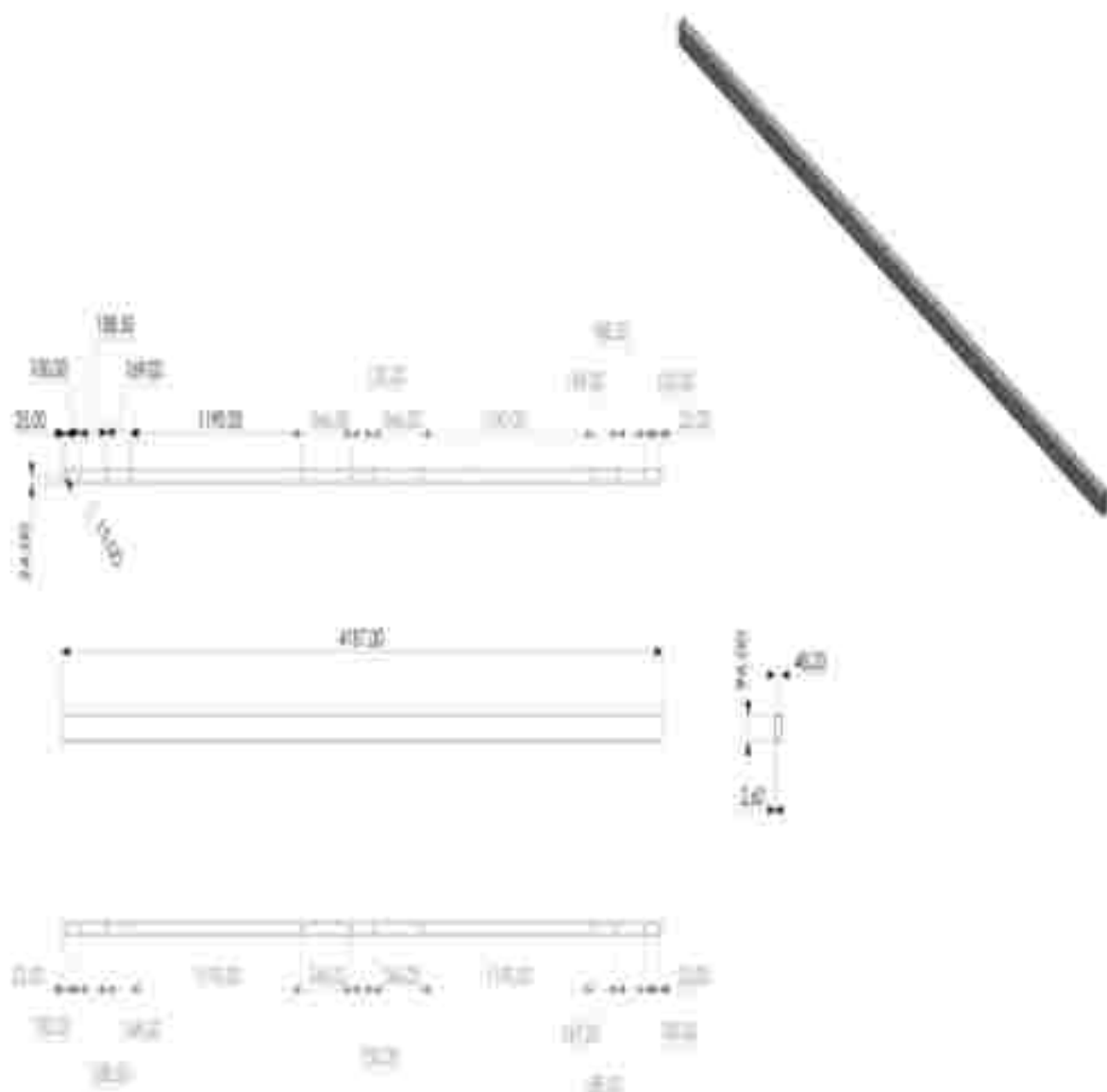


**PART NO. 1.4
TOP PLATE**



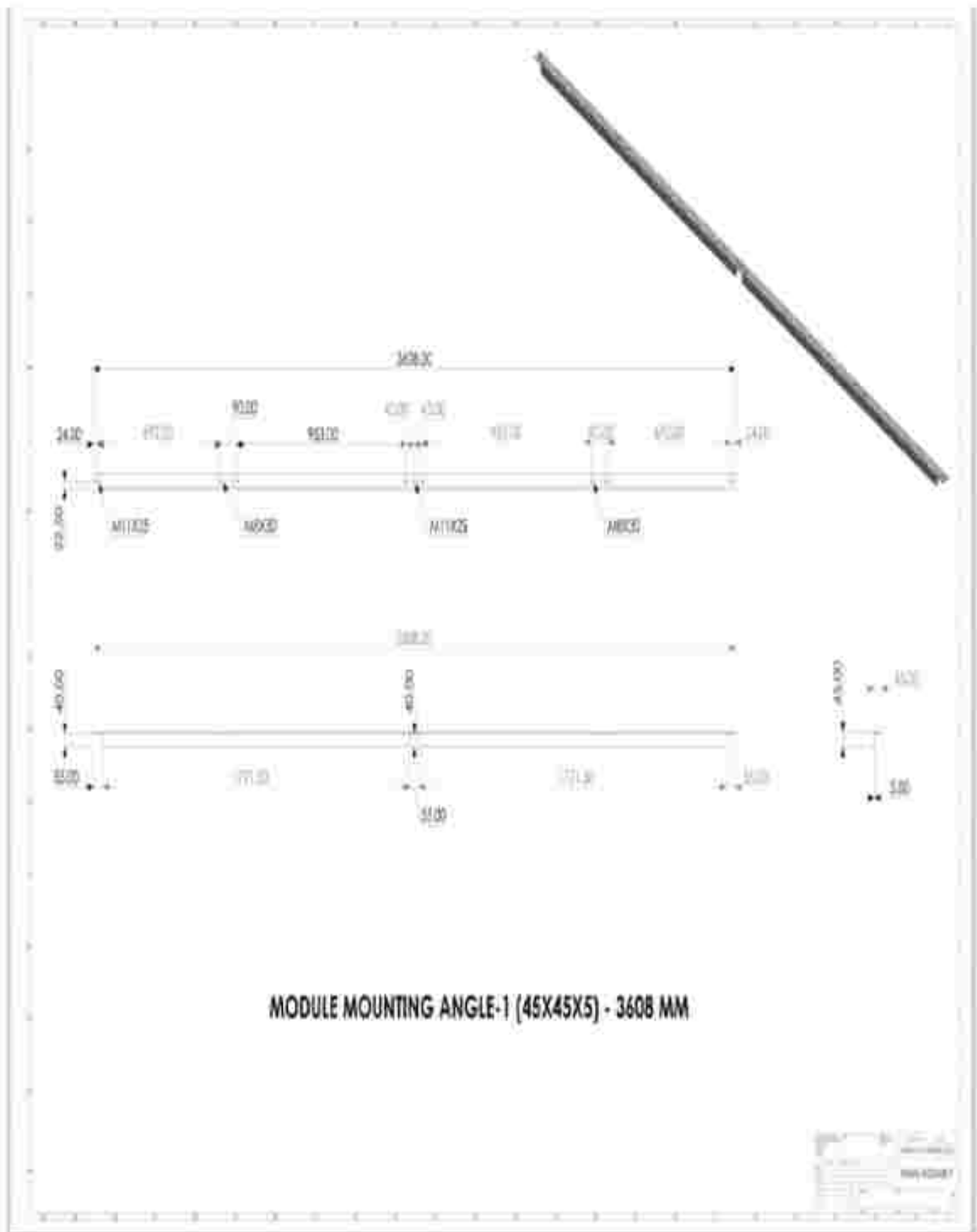


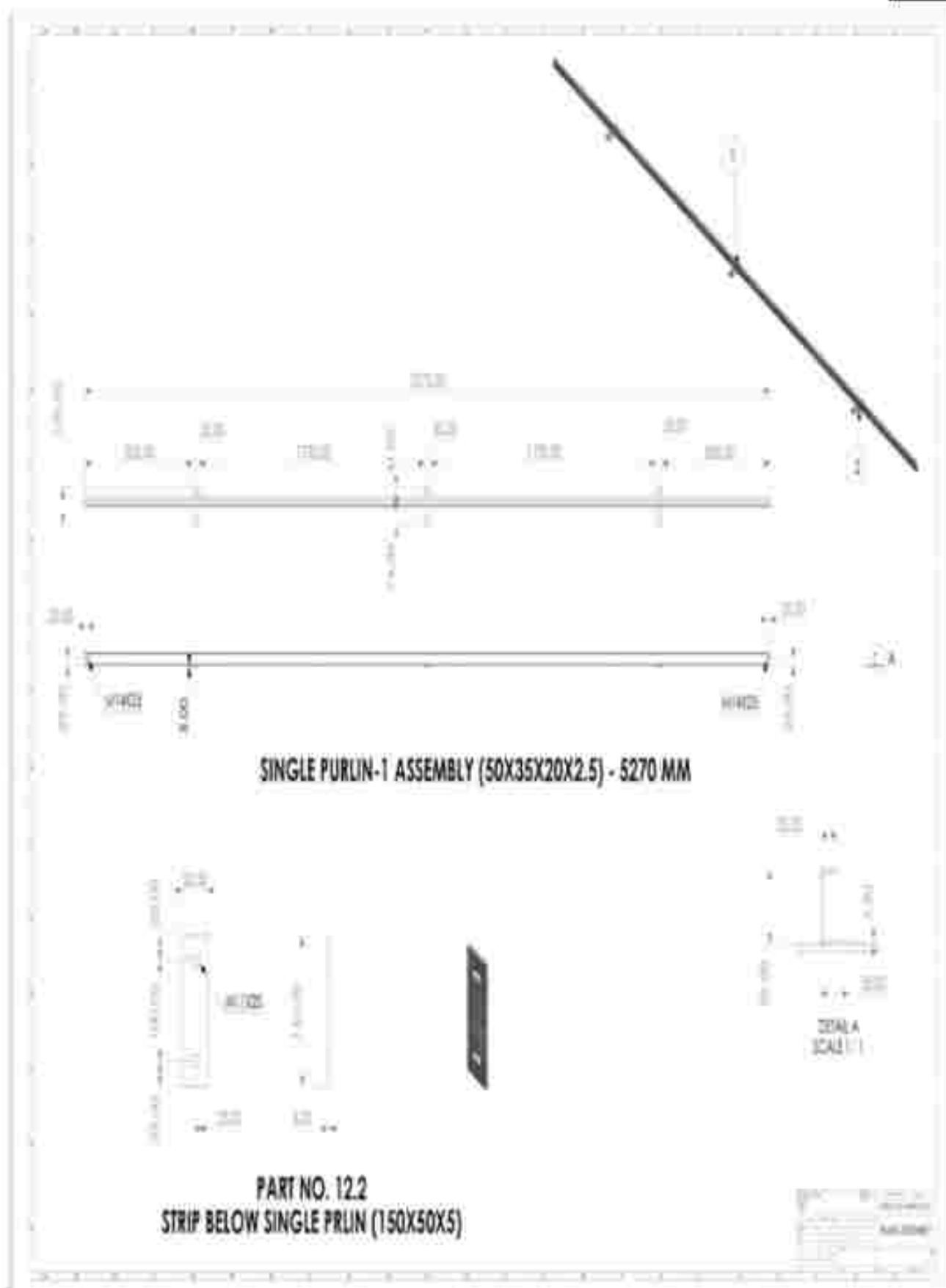




SIDE TUBE (96X48X2.6) - 4187 MM



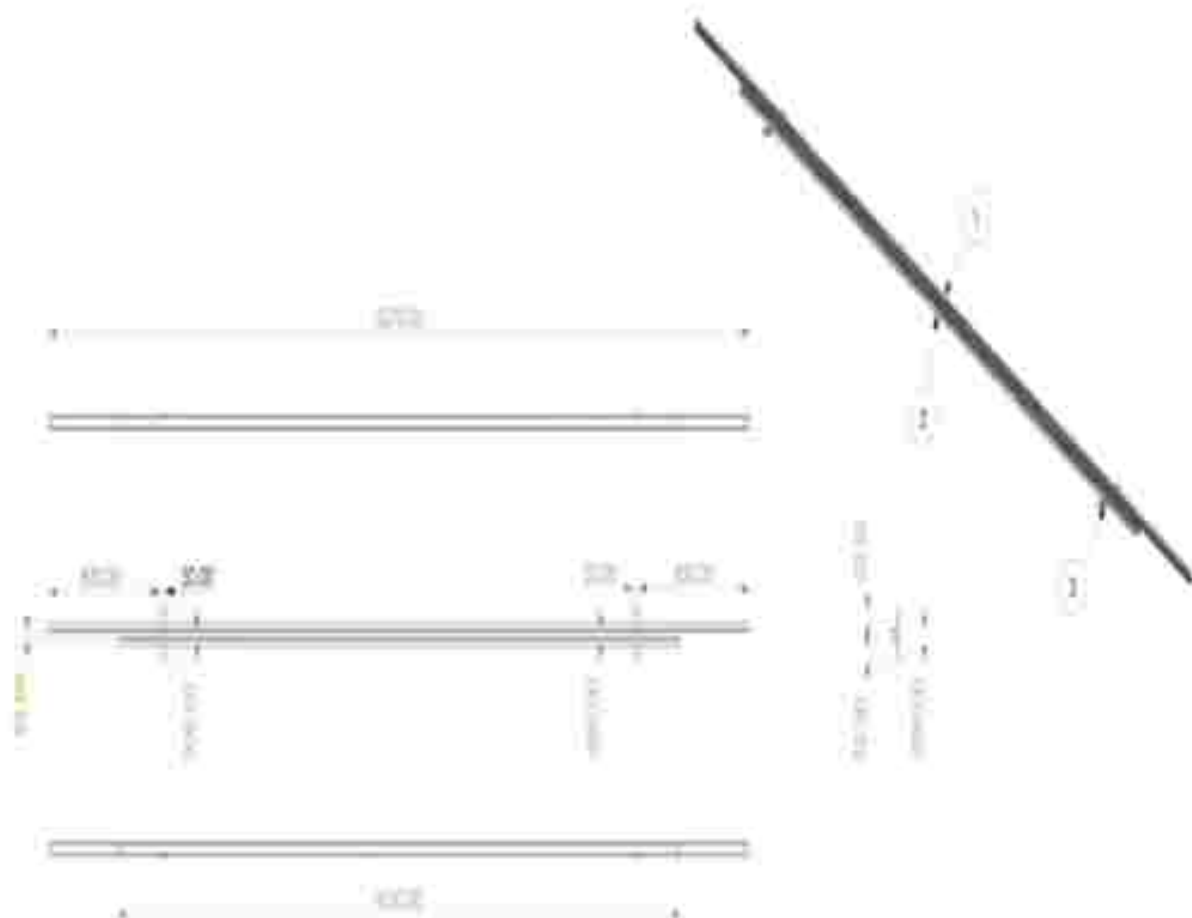




A-29



A-30



DOUBLE PURLIN ASSEMBLY



PART NO. 14.3
STRIP BELOW DOUBLE PURLIN (200X50X5)

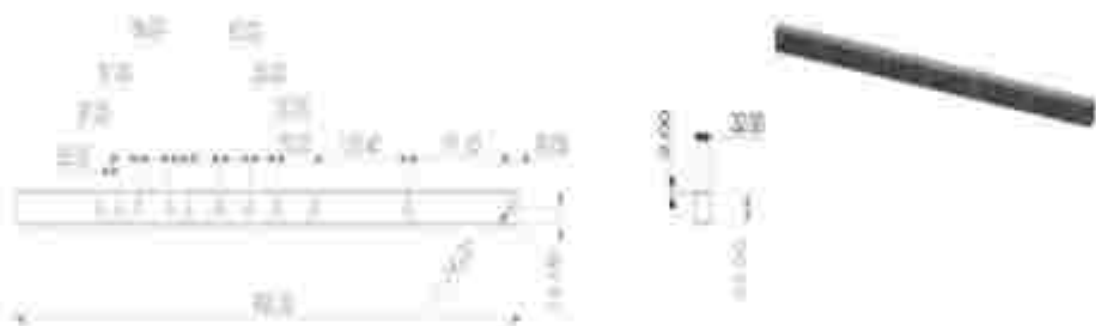




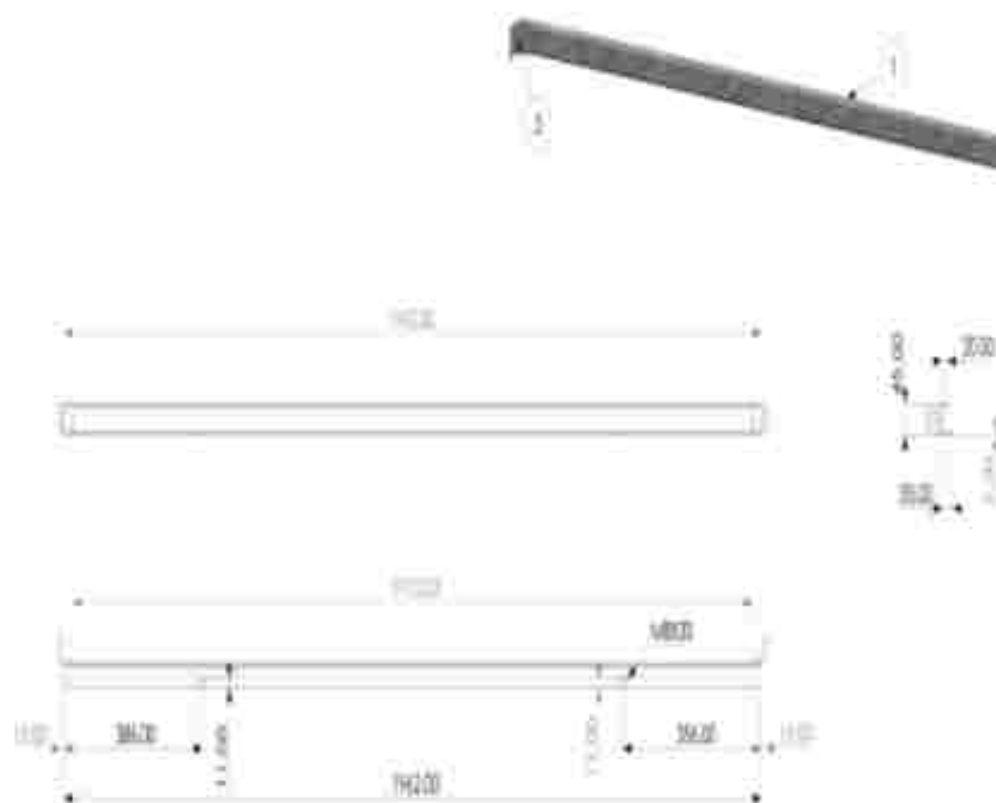
FRONT SUPPORTING PIPE (40X40X2) - 1920 MM



BACK SUPPORTING PIPE (40X40X2) - 2400 MM



MANUAL PIPE (32X32X2) - 950 MM



LOCKING PURLIN (45X35X20X2.5) - 1960 MM

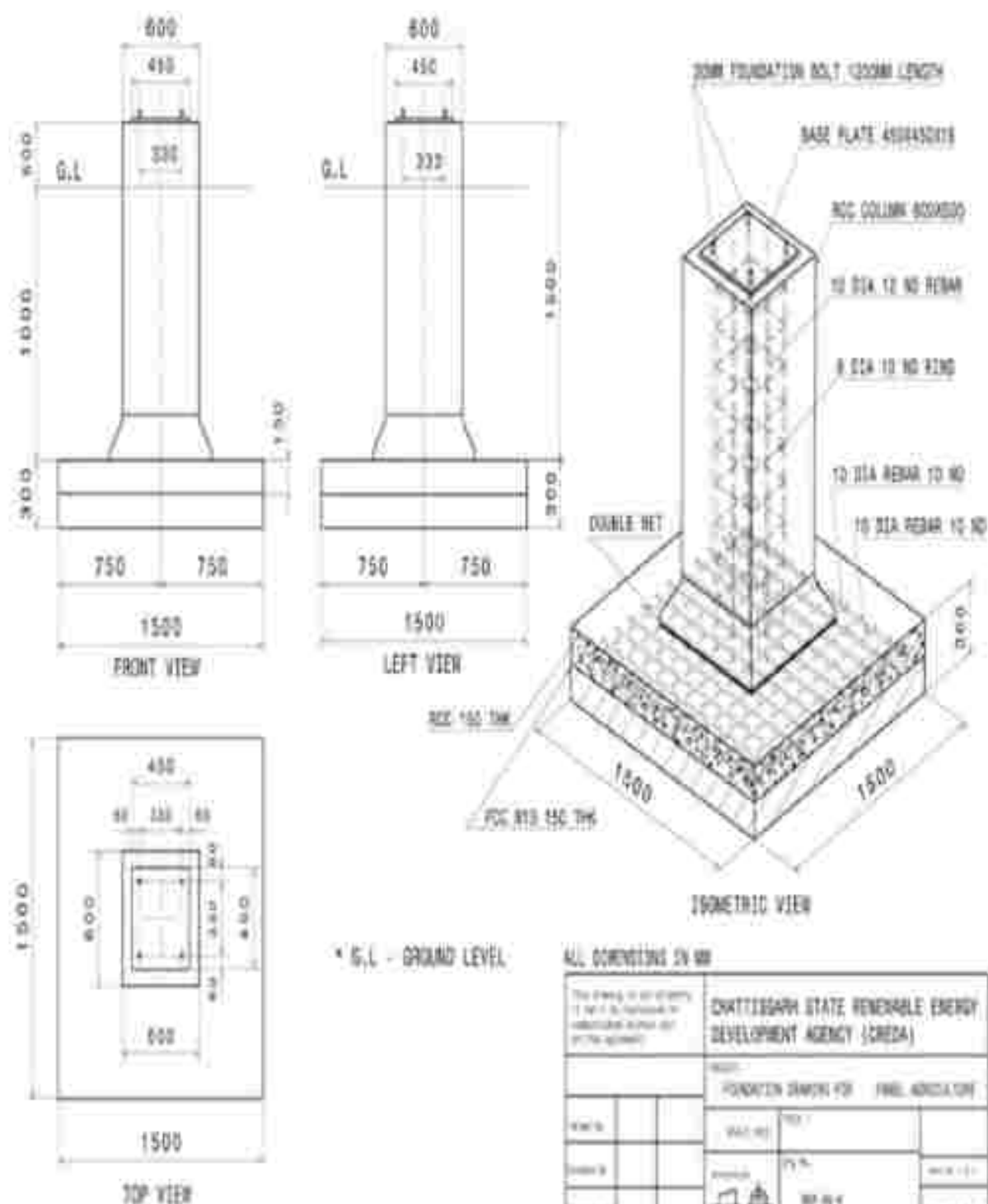


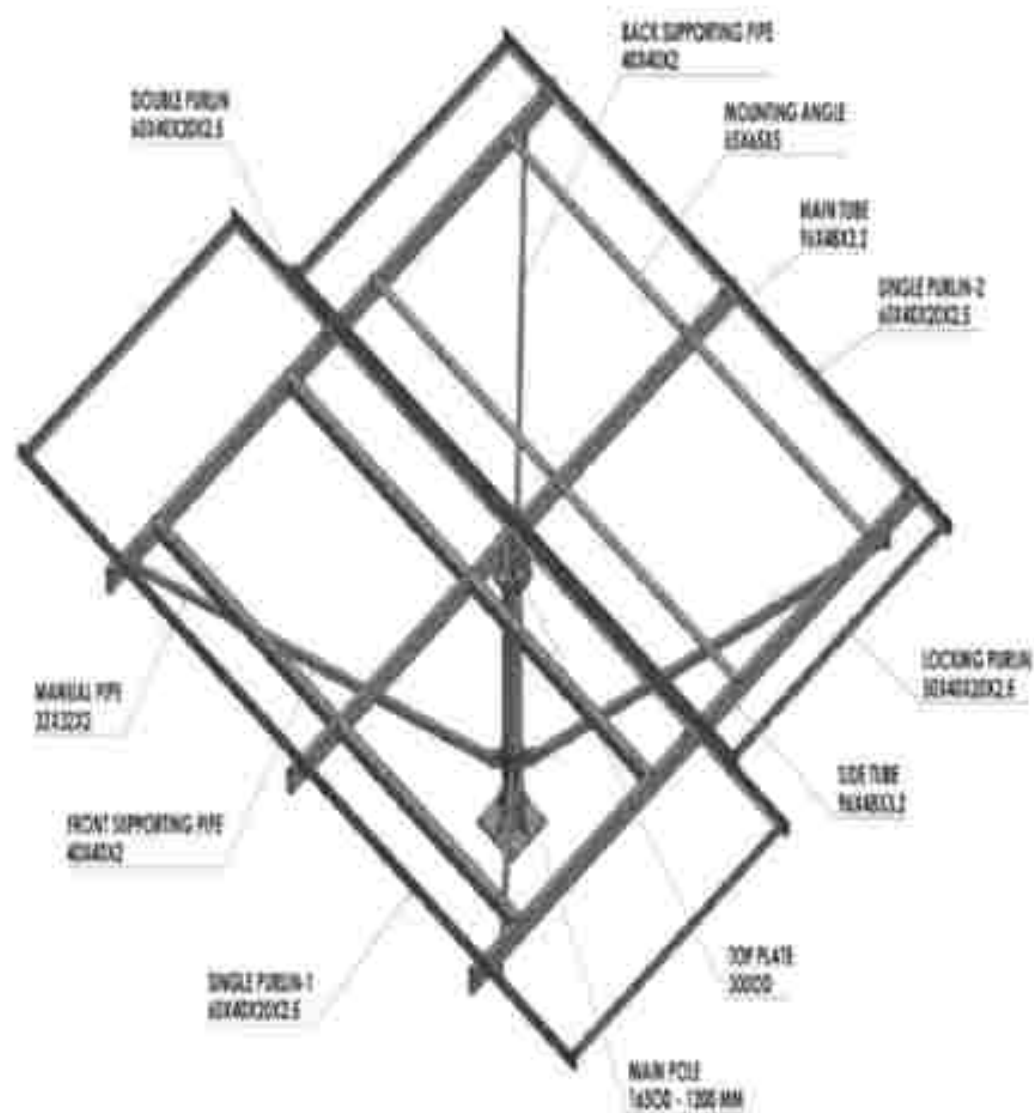
PART NO. 15.2
CLEAT (40X40X5) - 45 MM

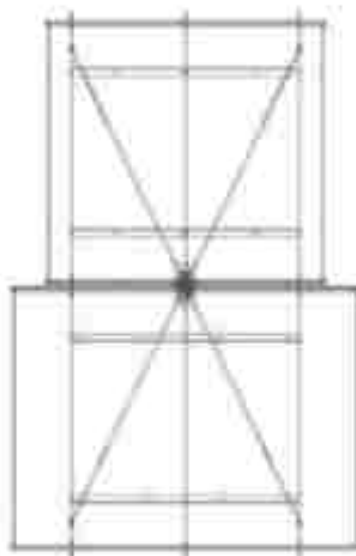


Drawings of 09 nos. MMS & Foundation for 535 Wp & above

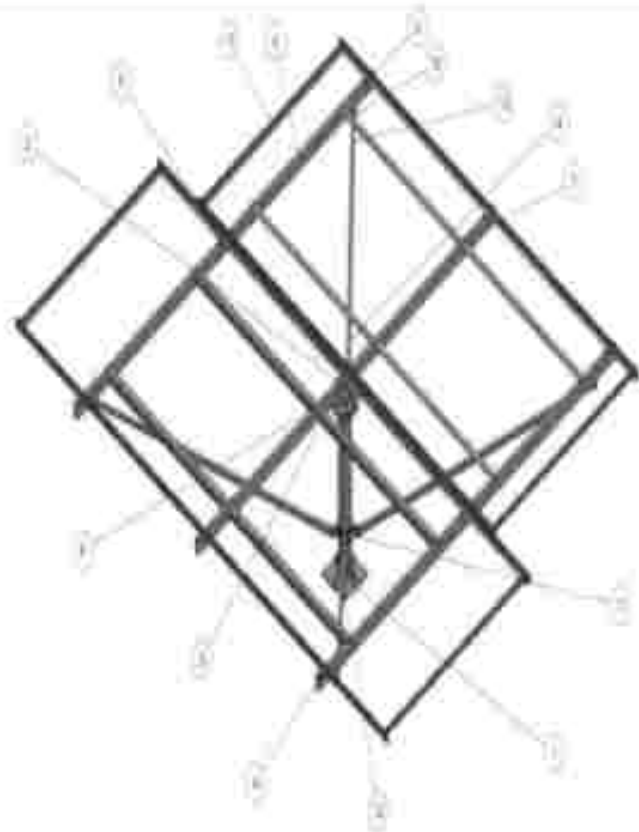
FOUNDATION DRAWING FOR 09 NOS. MMS OF 535Wp & ABOVE



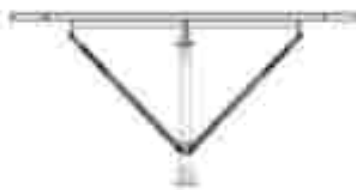




TOP VIEW

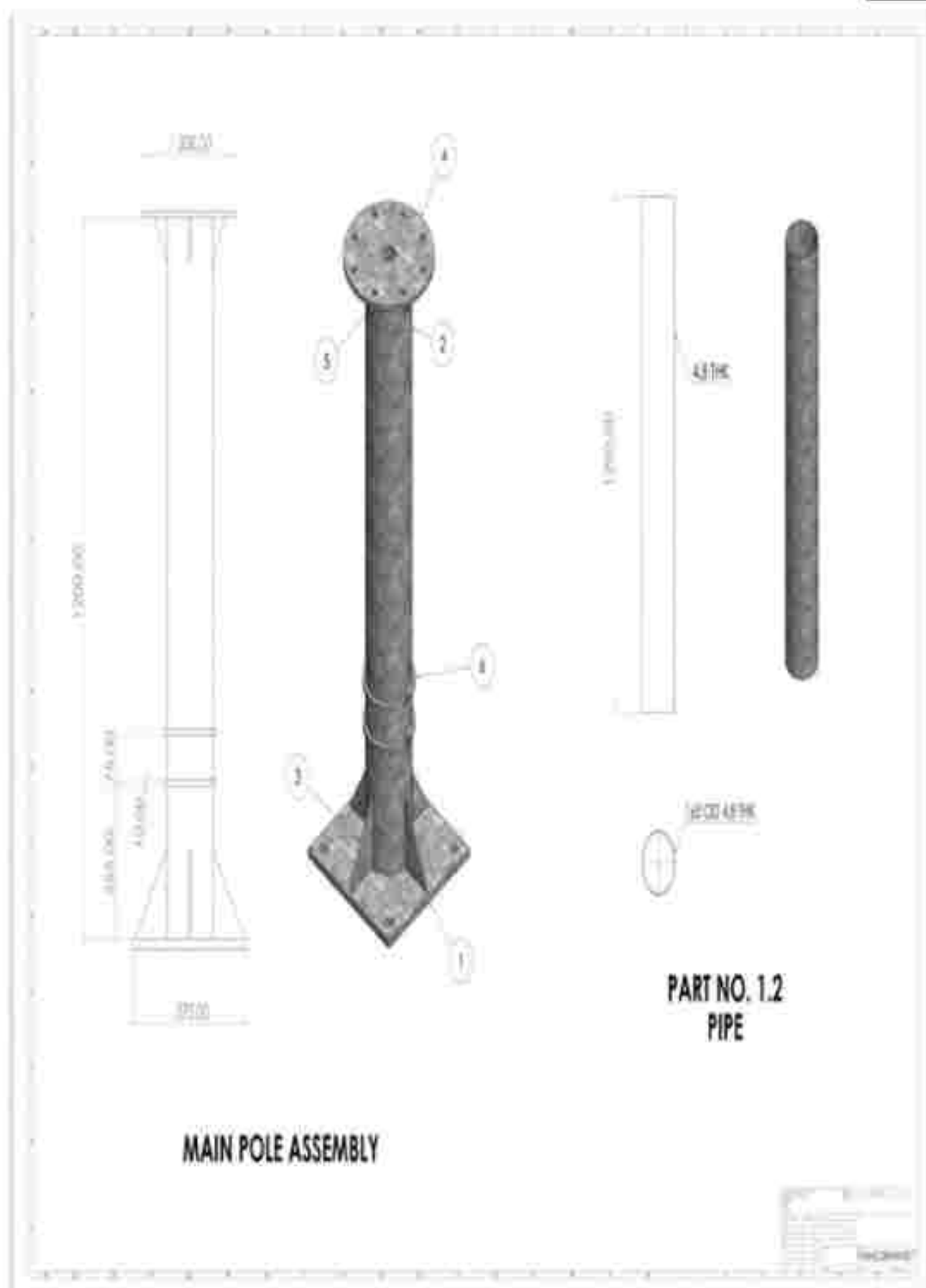


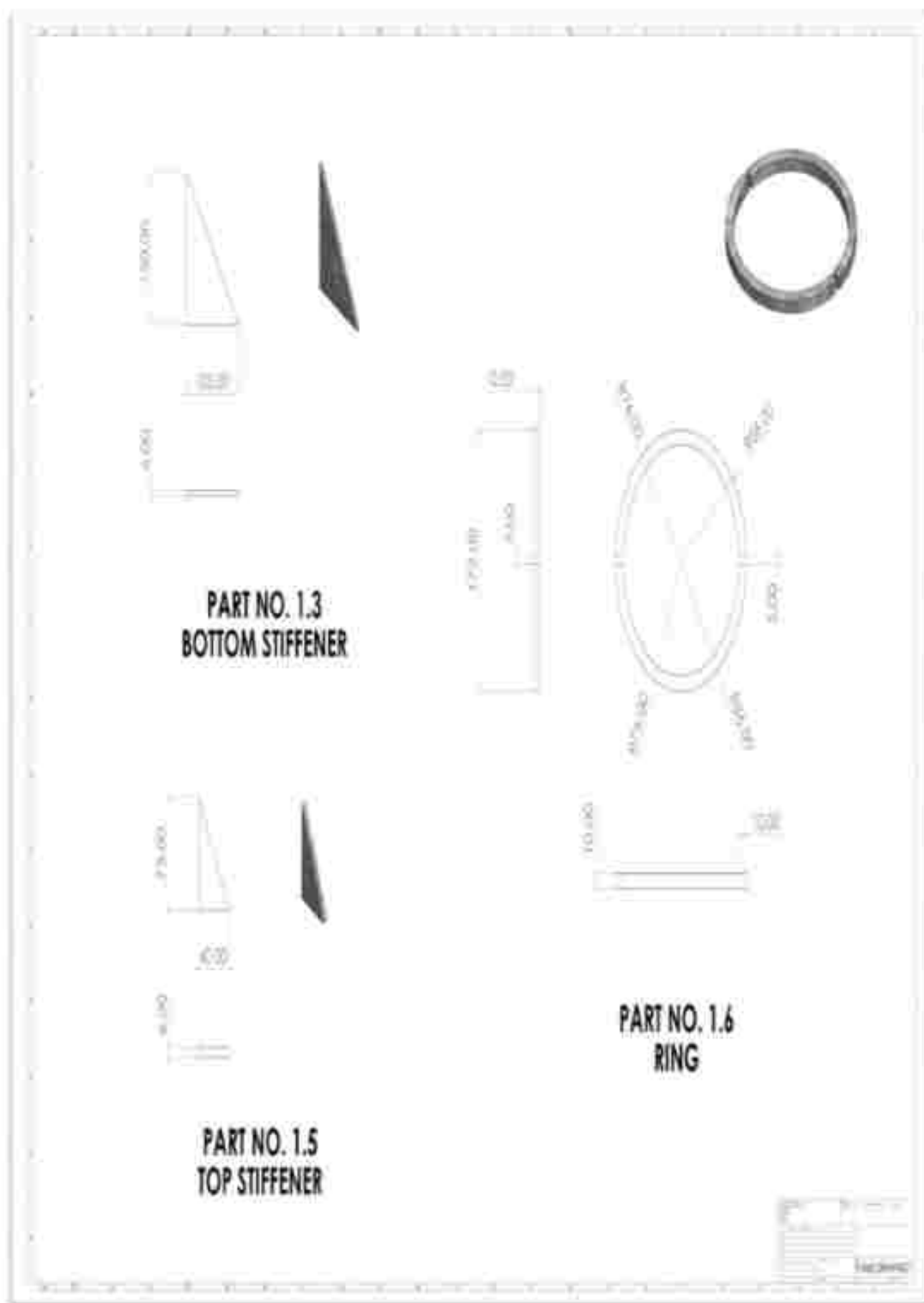
ISOMETRIC VIEW

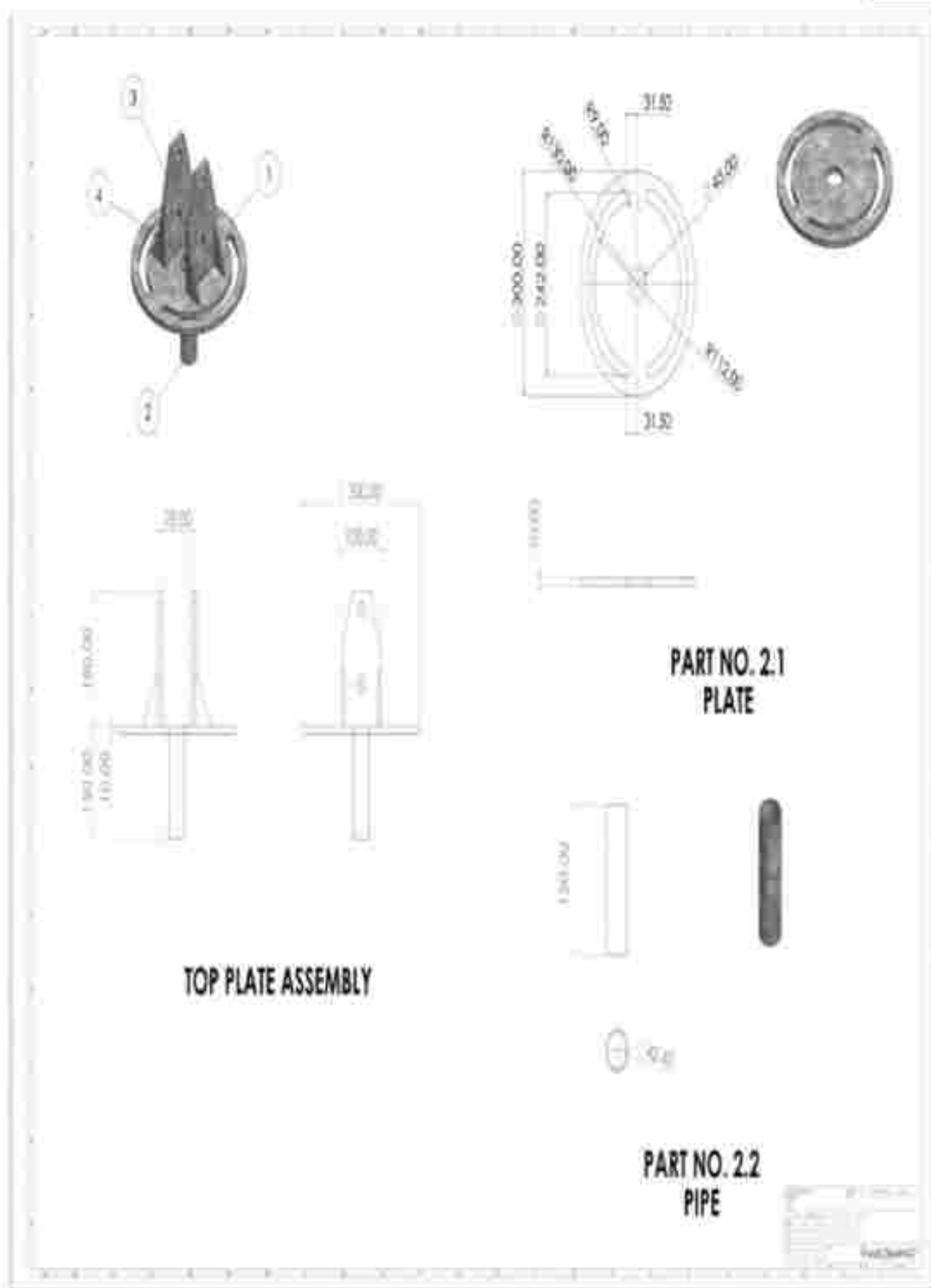


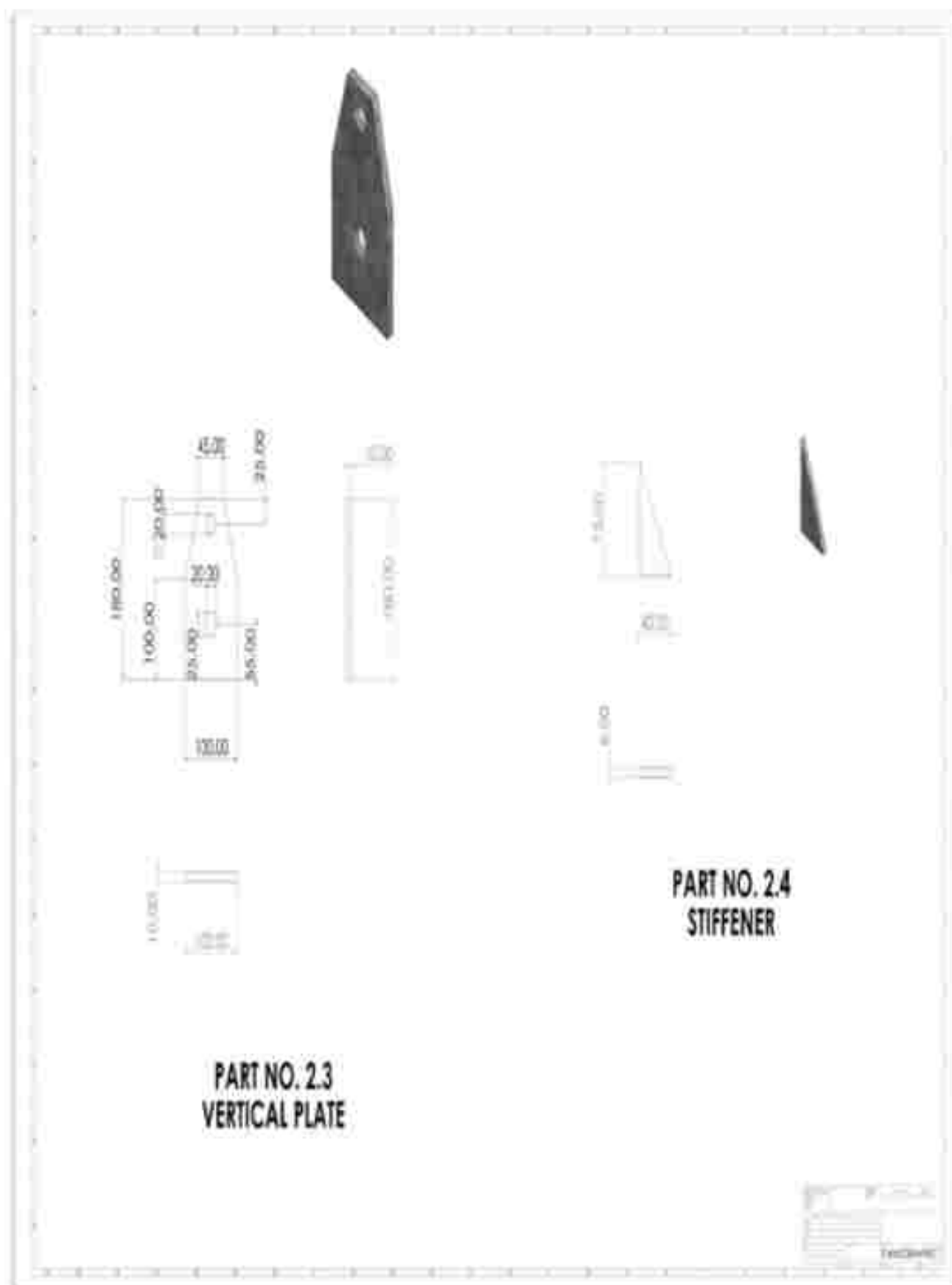
FRONT VIEW

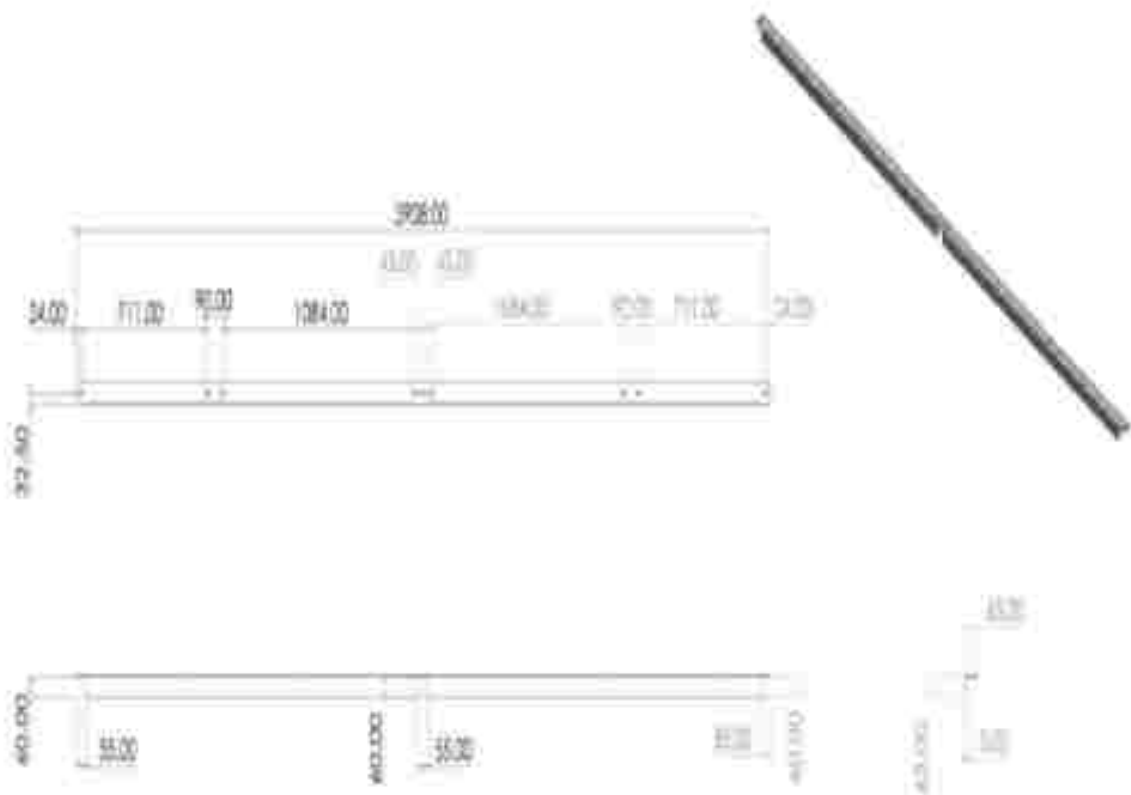
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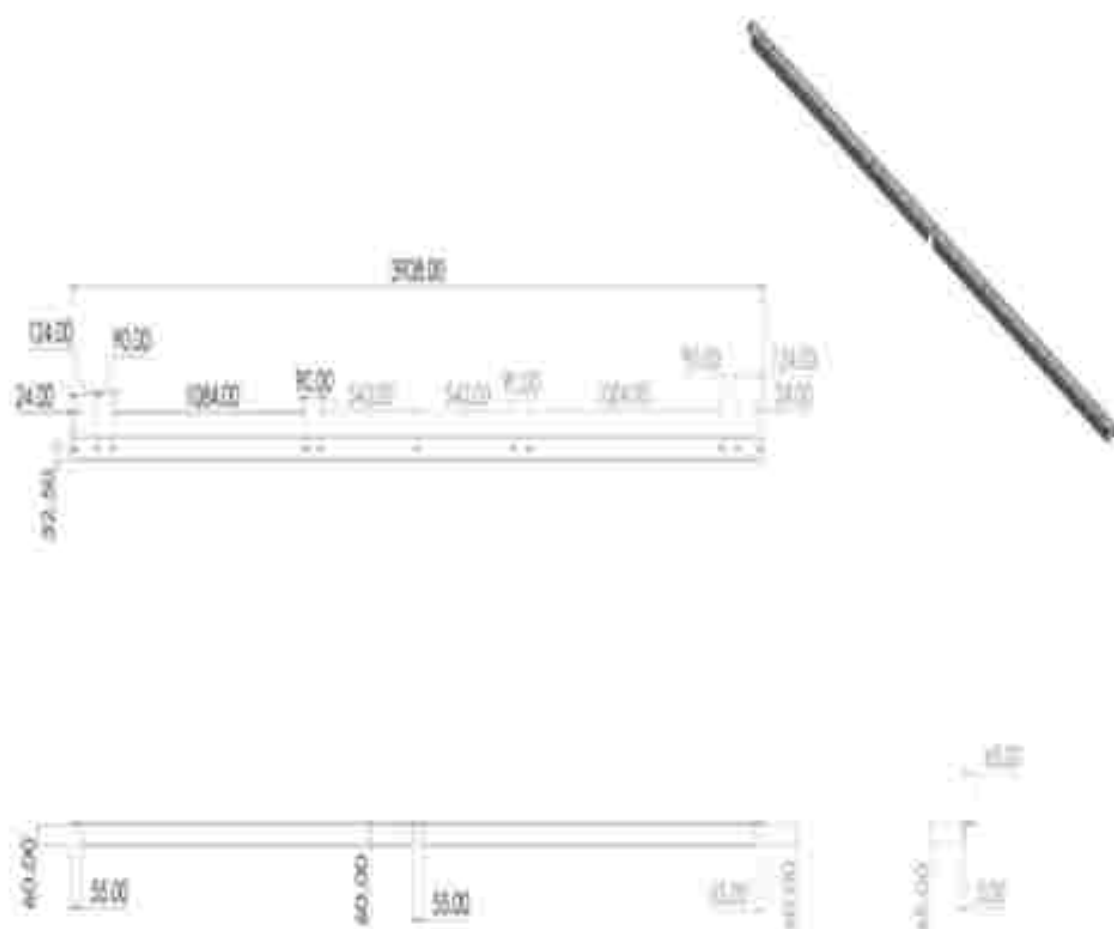




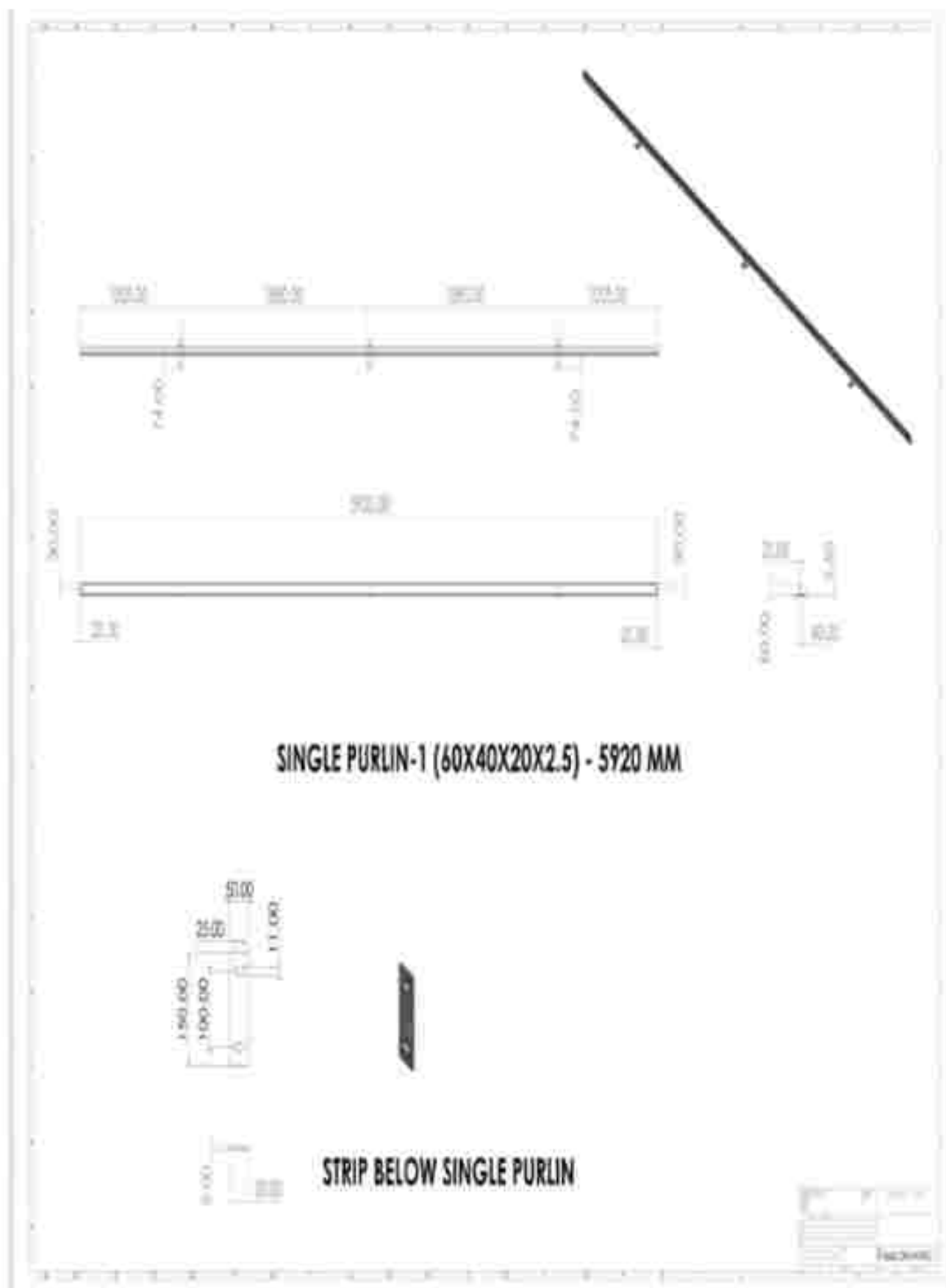


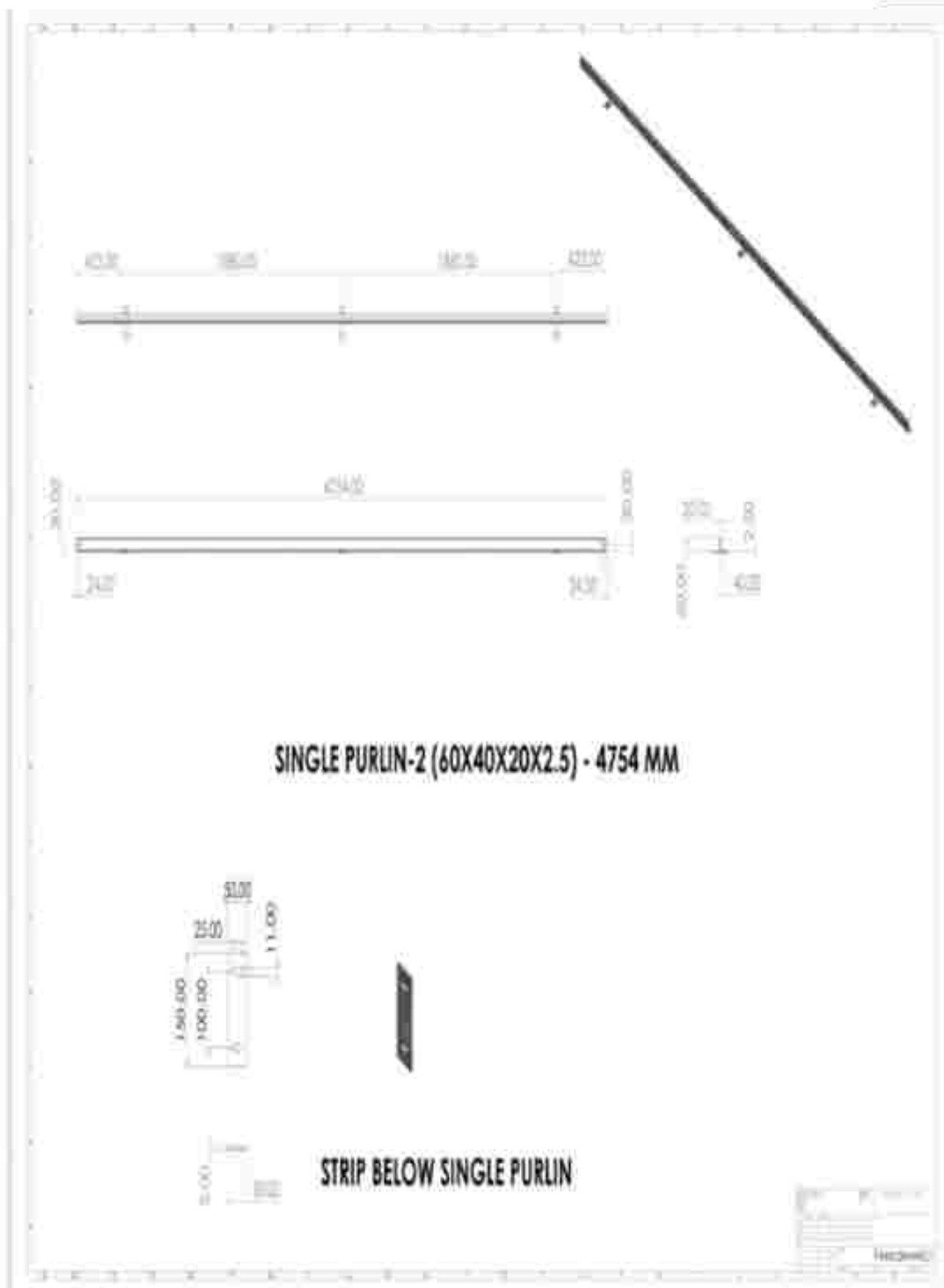
MOUNTING ANGLE-1 (65X65X5) - 3908 MM

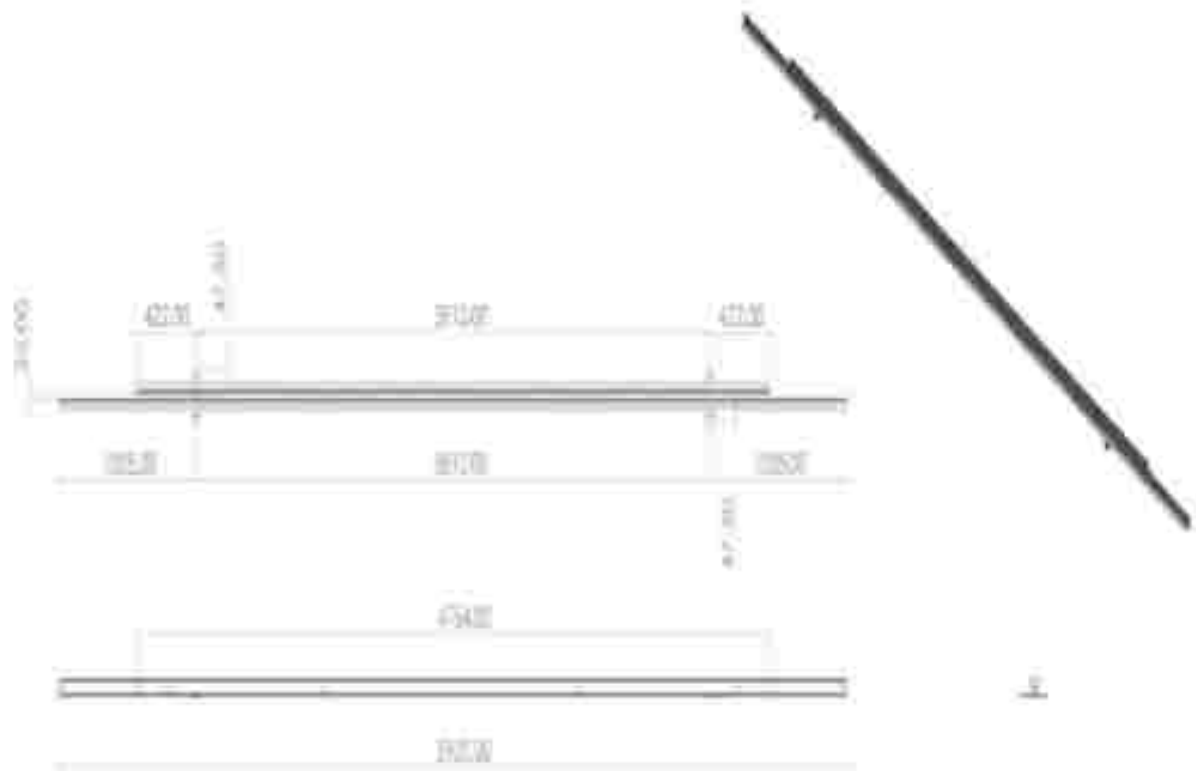




MOUNTING ANGLE-2 (65X65X5) - 3908 MM







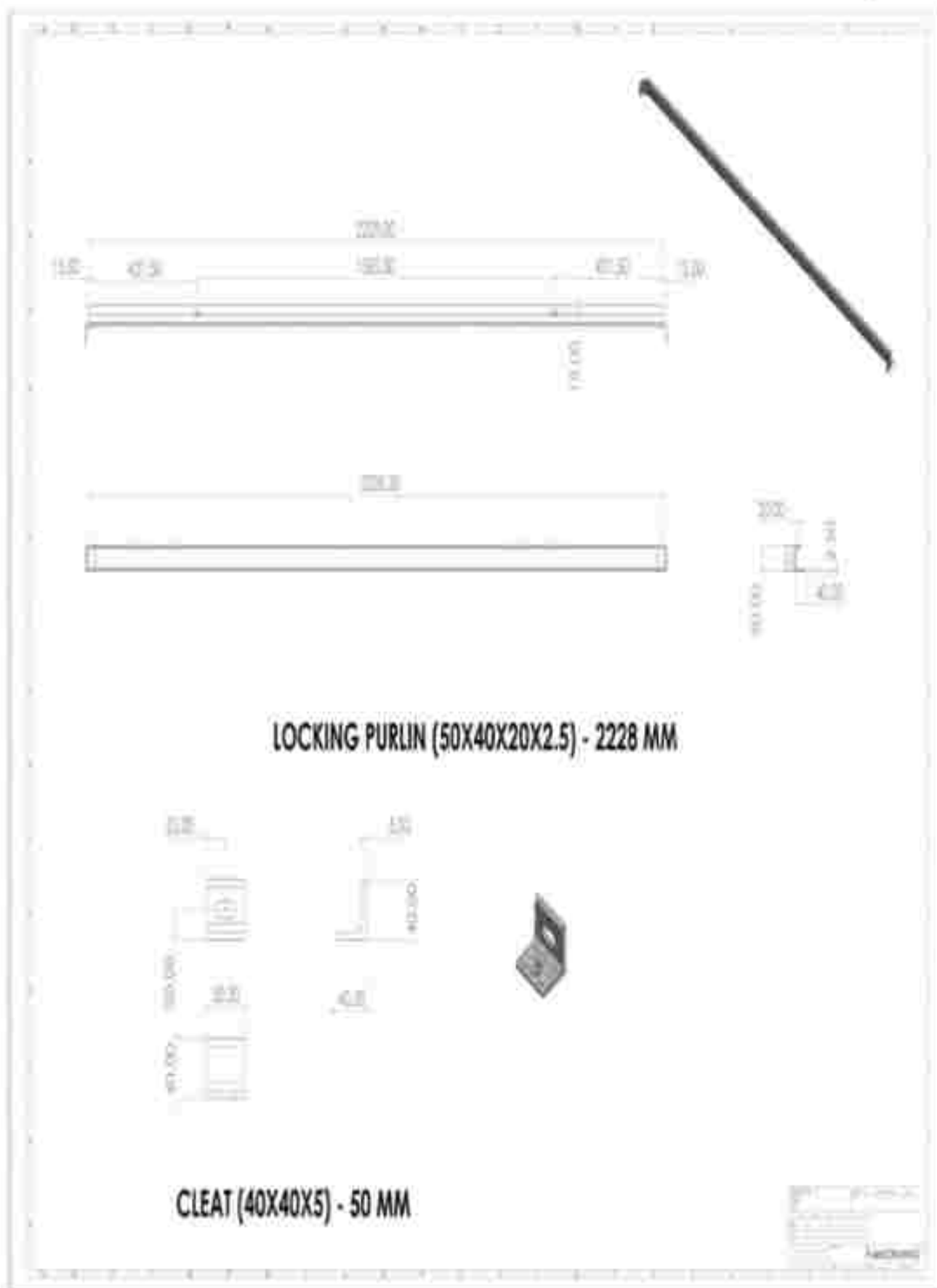
DOUBLE PURLIN ASSEMBLY

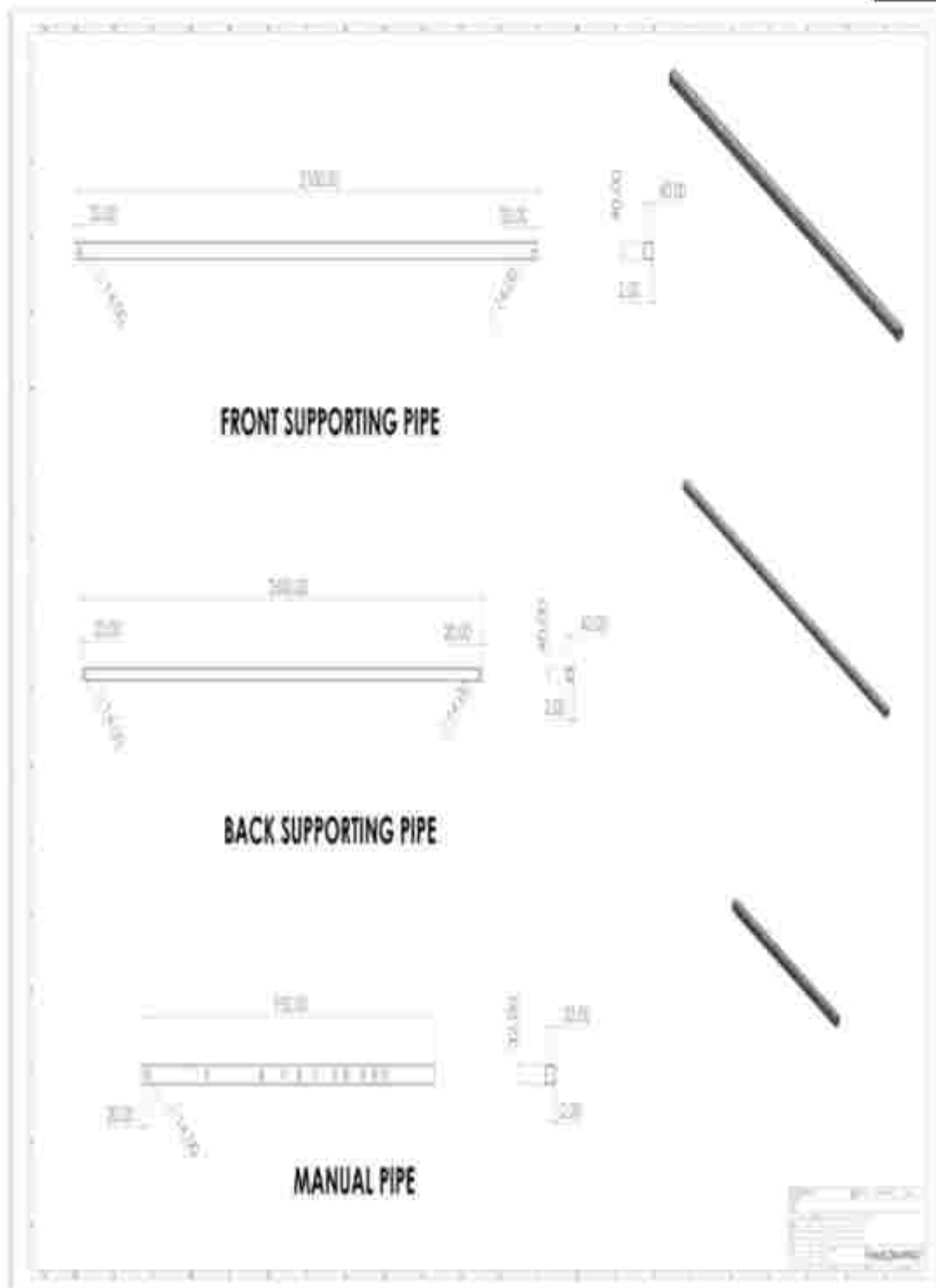


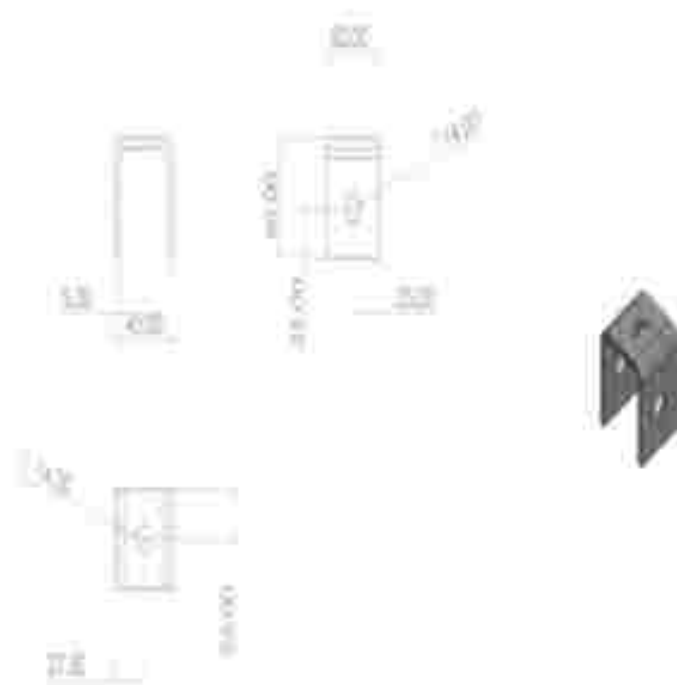
STRIP BELOW DOUBLE PURLIN



STRIP BETWEEN DOUBLE PURLIN



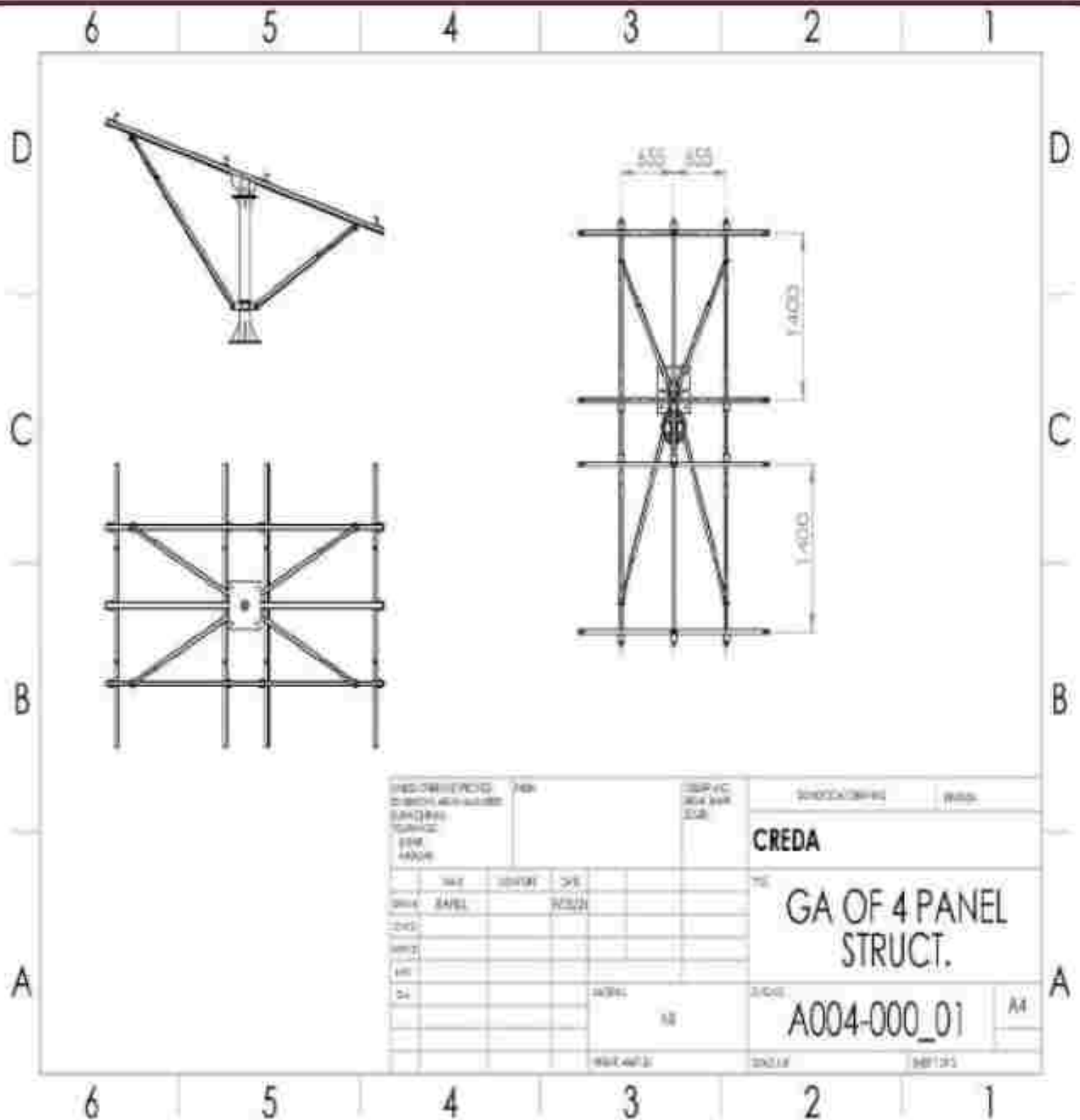


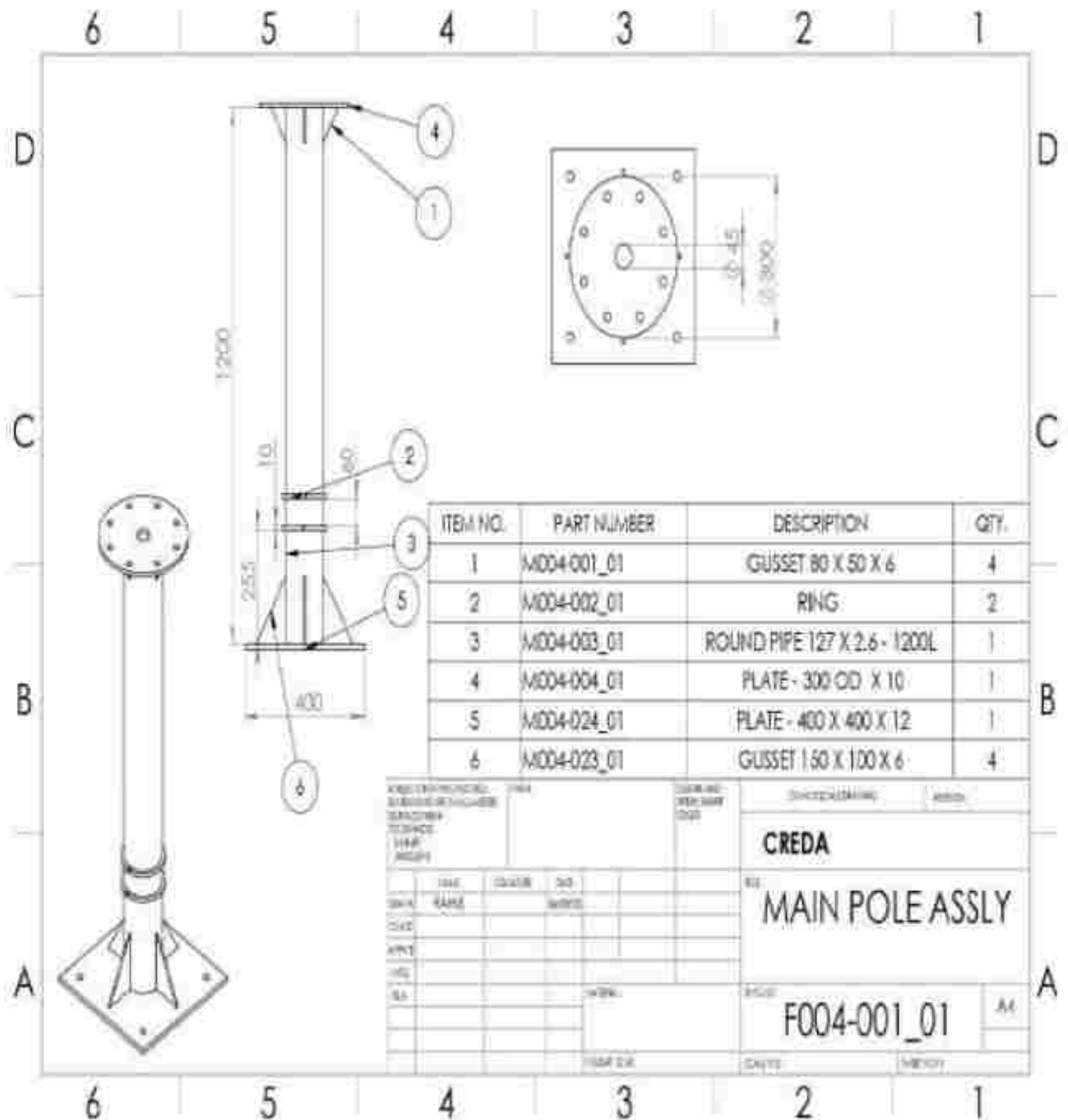


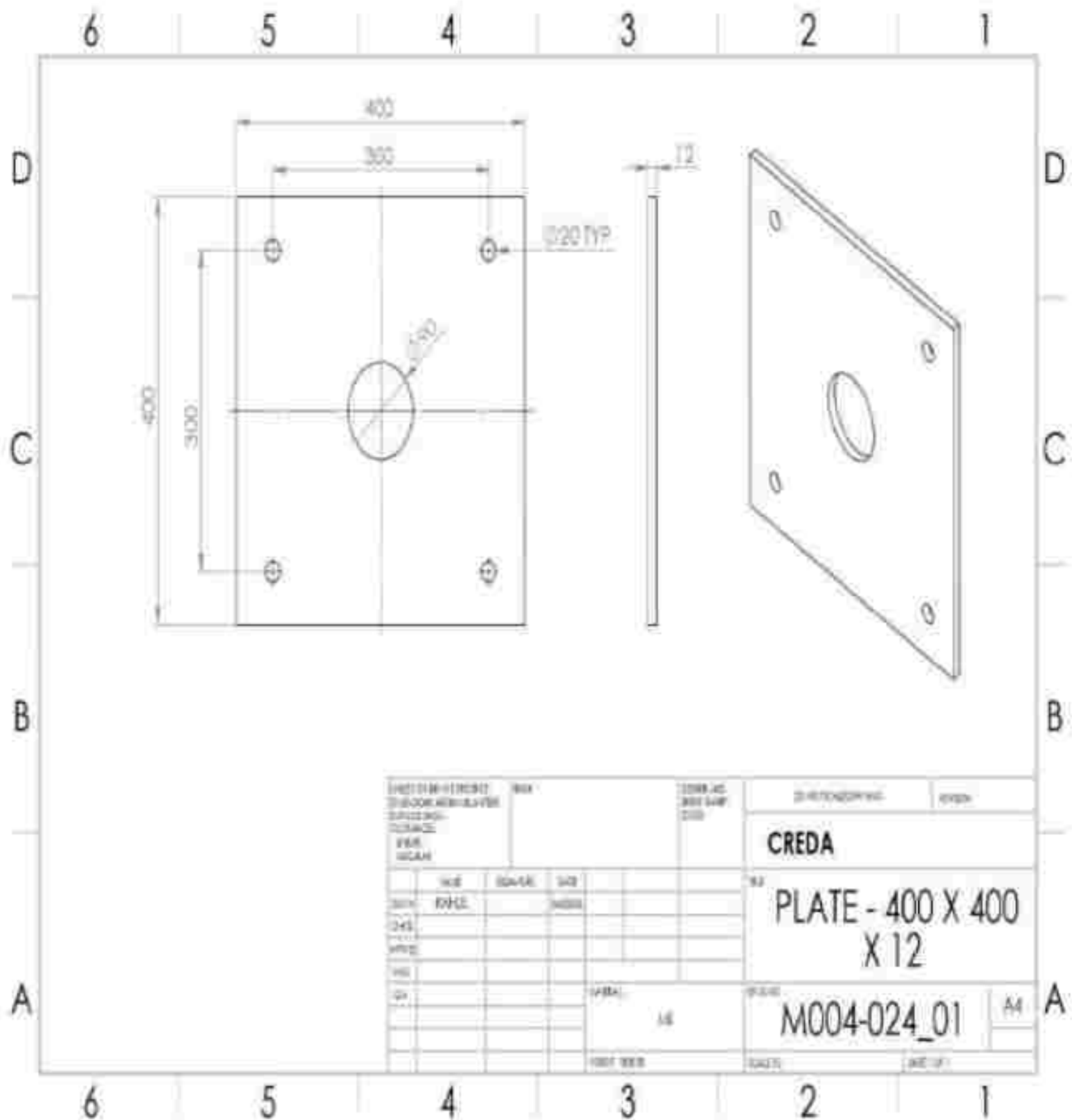
U-CLAMP

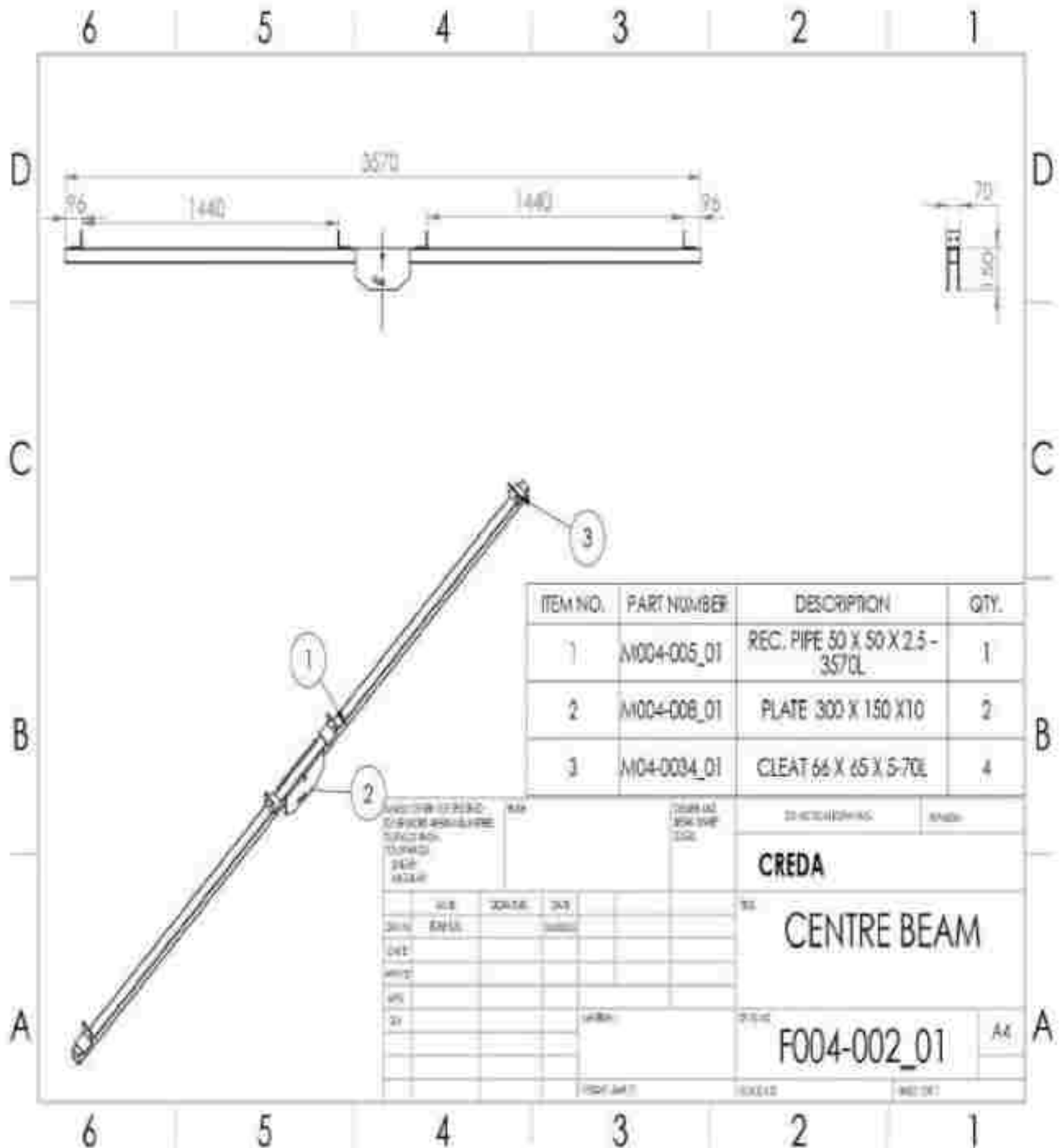
PURLIN REAR- 80x40x15x2.5

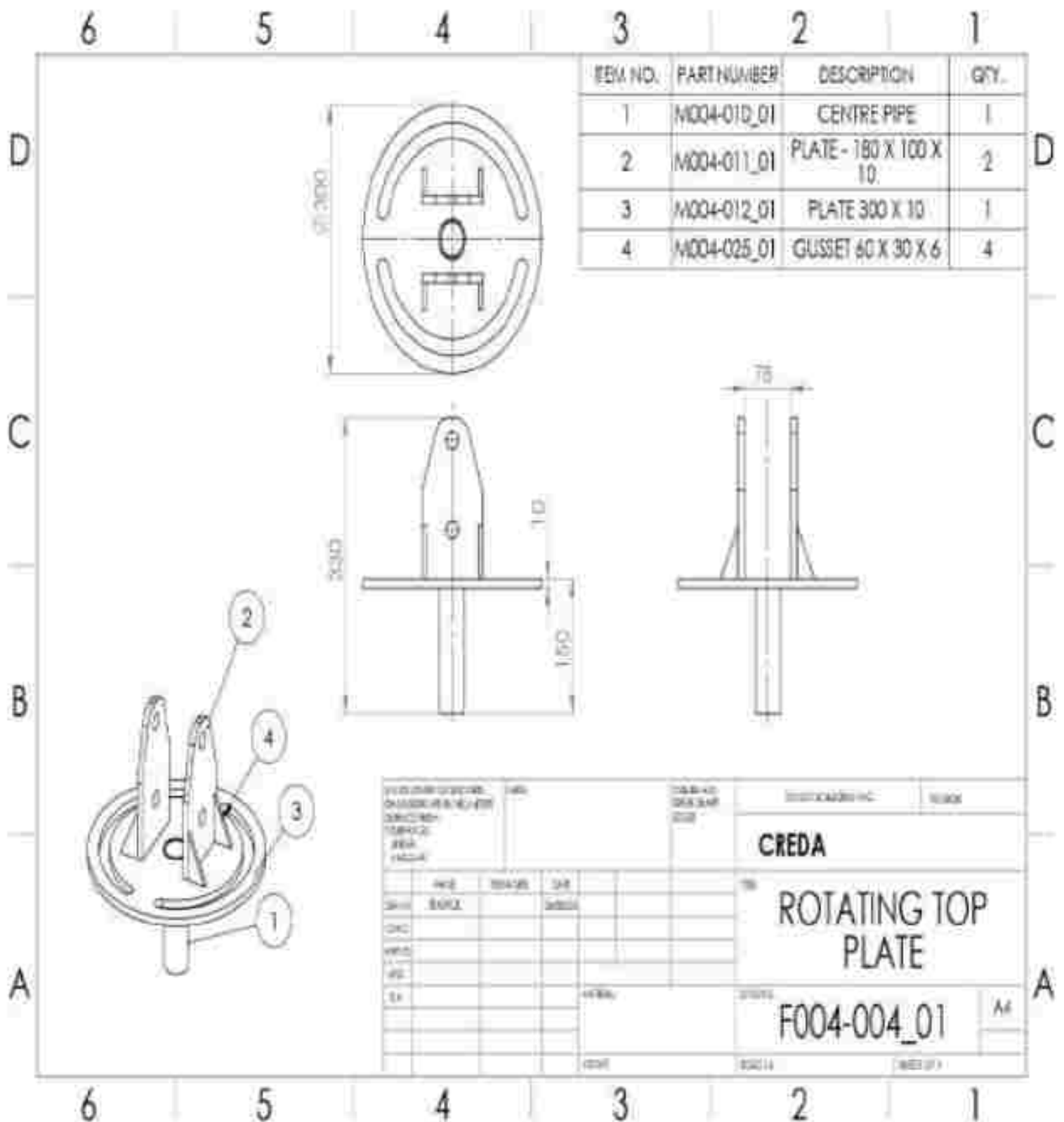


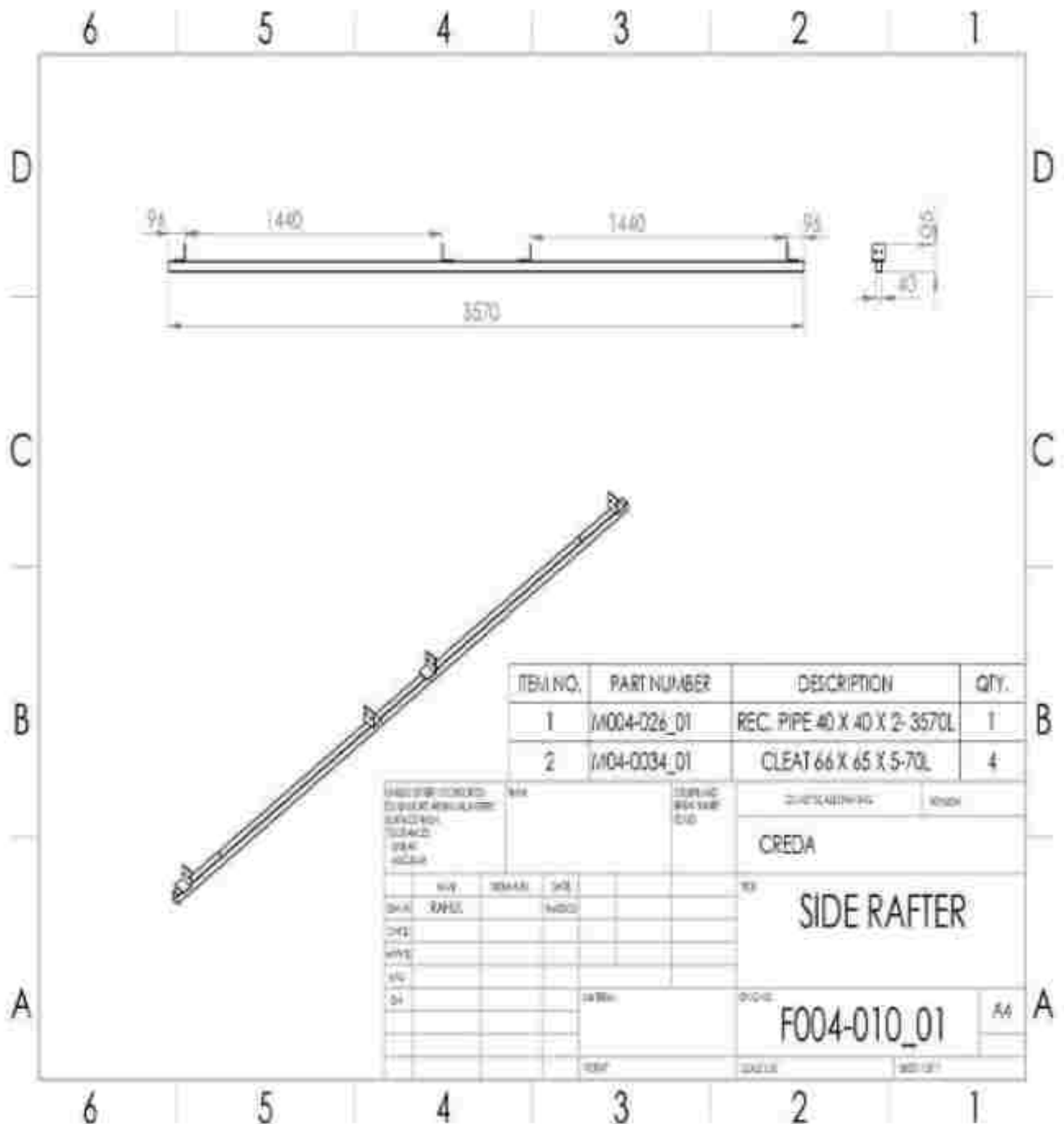


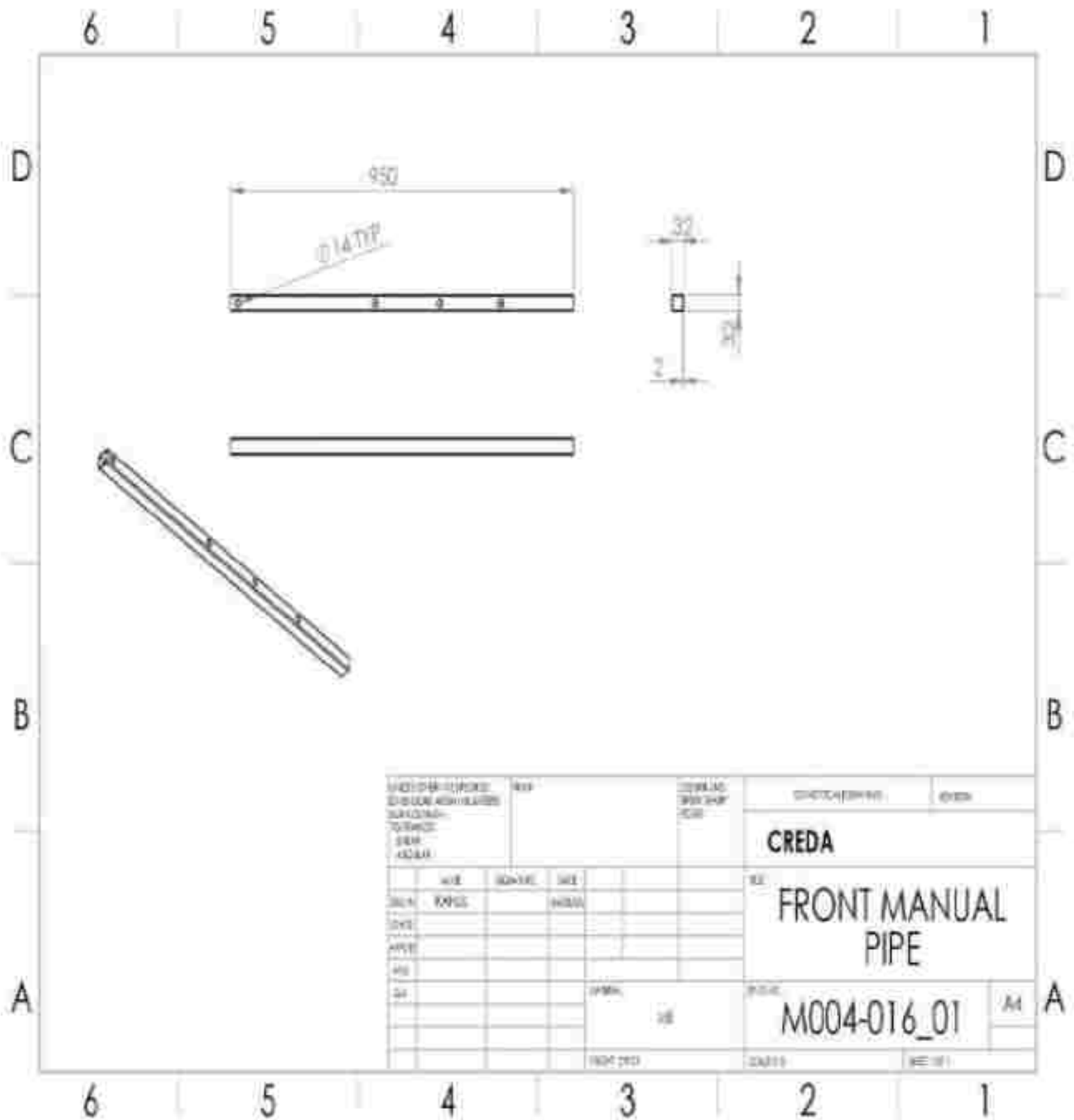


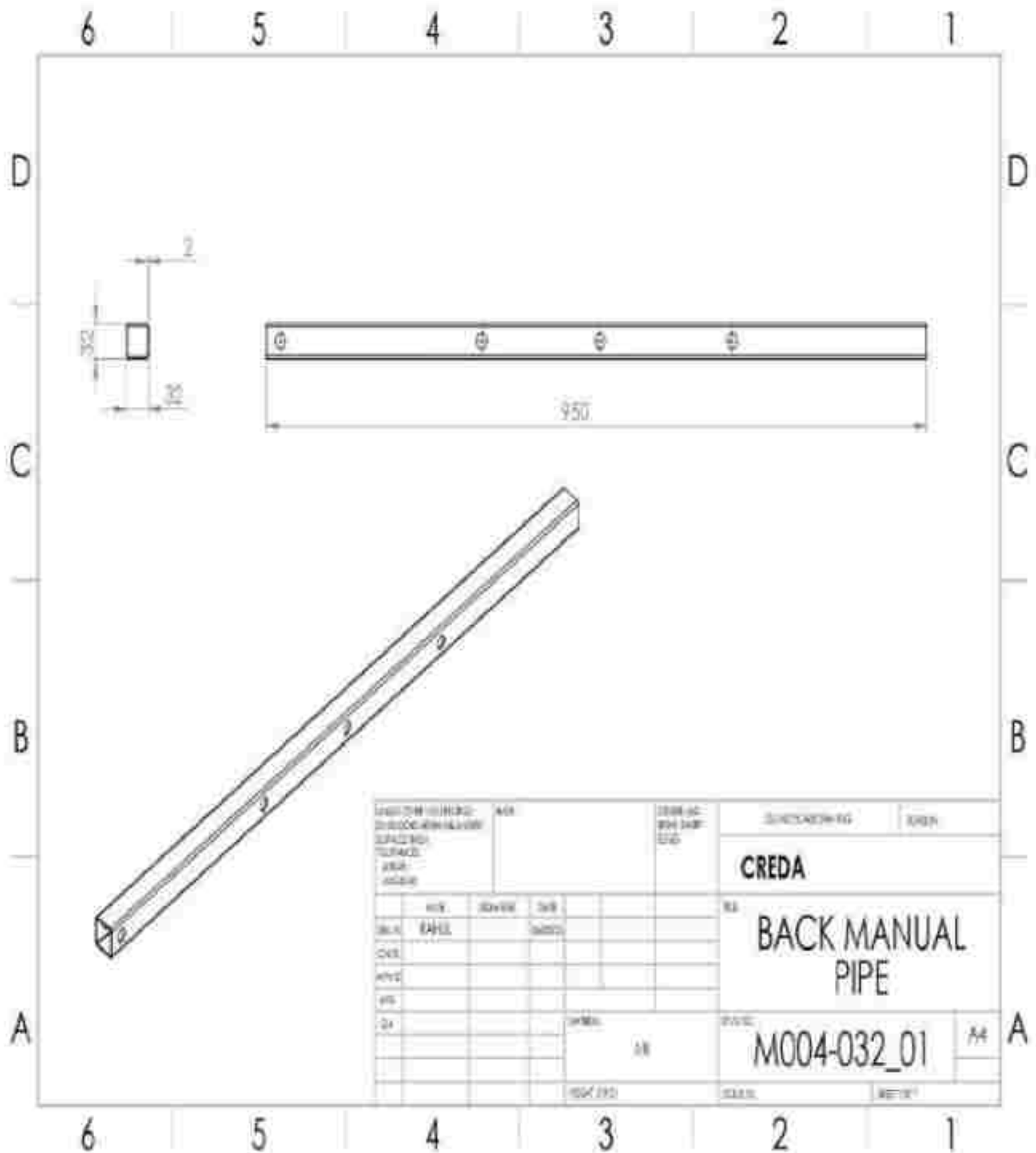






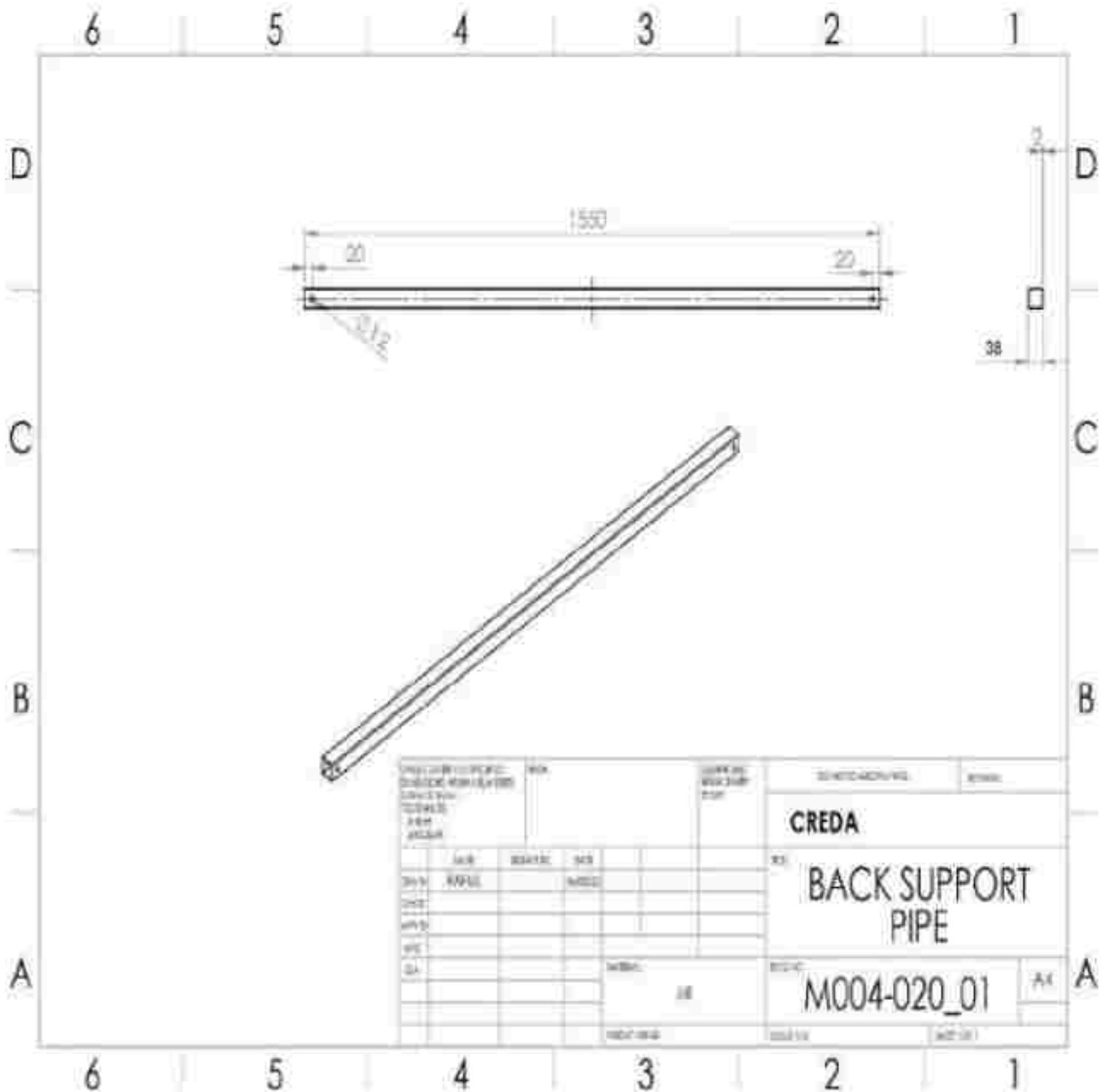


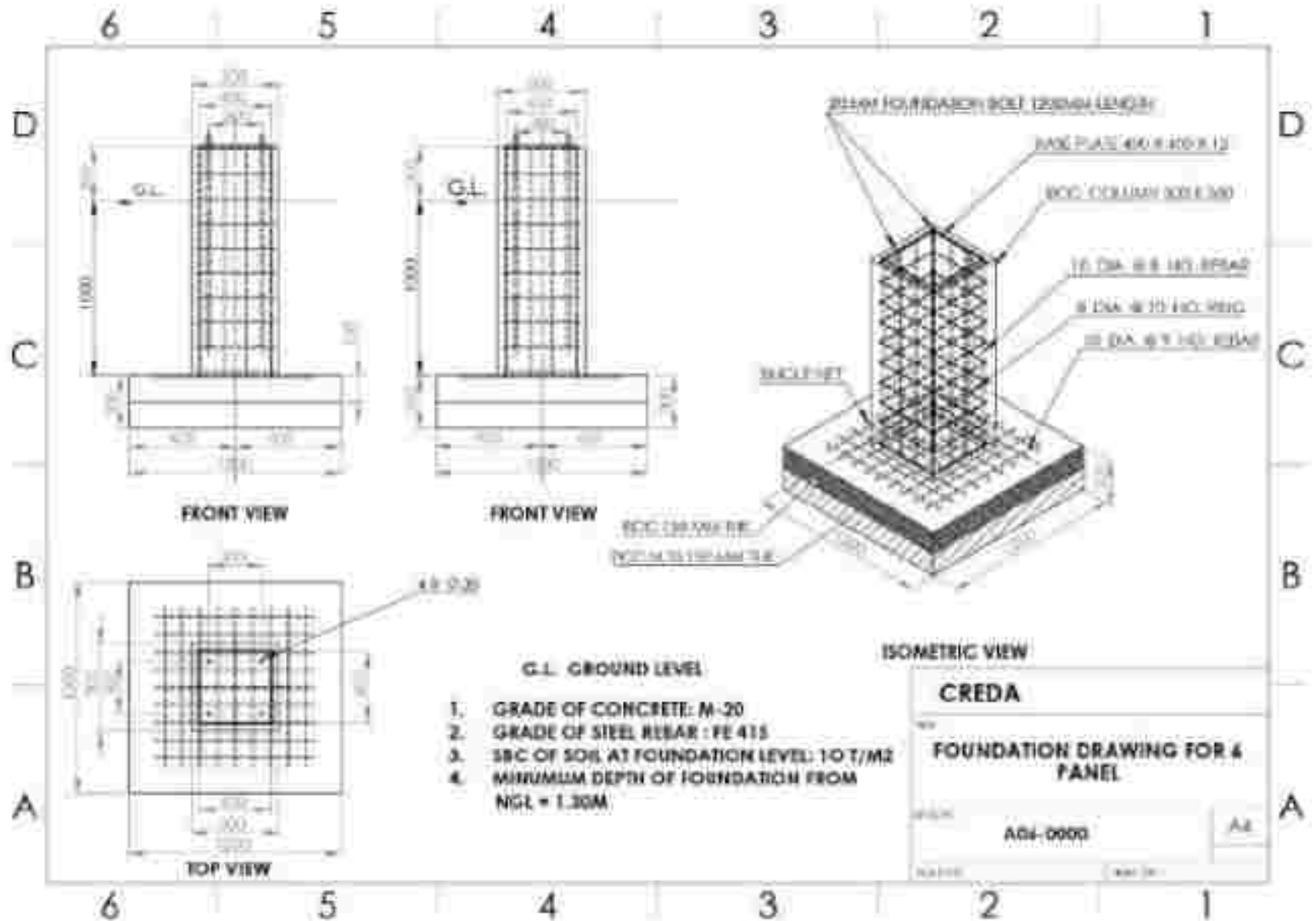




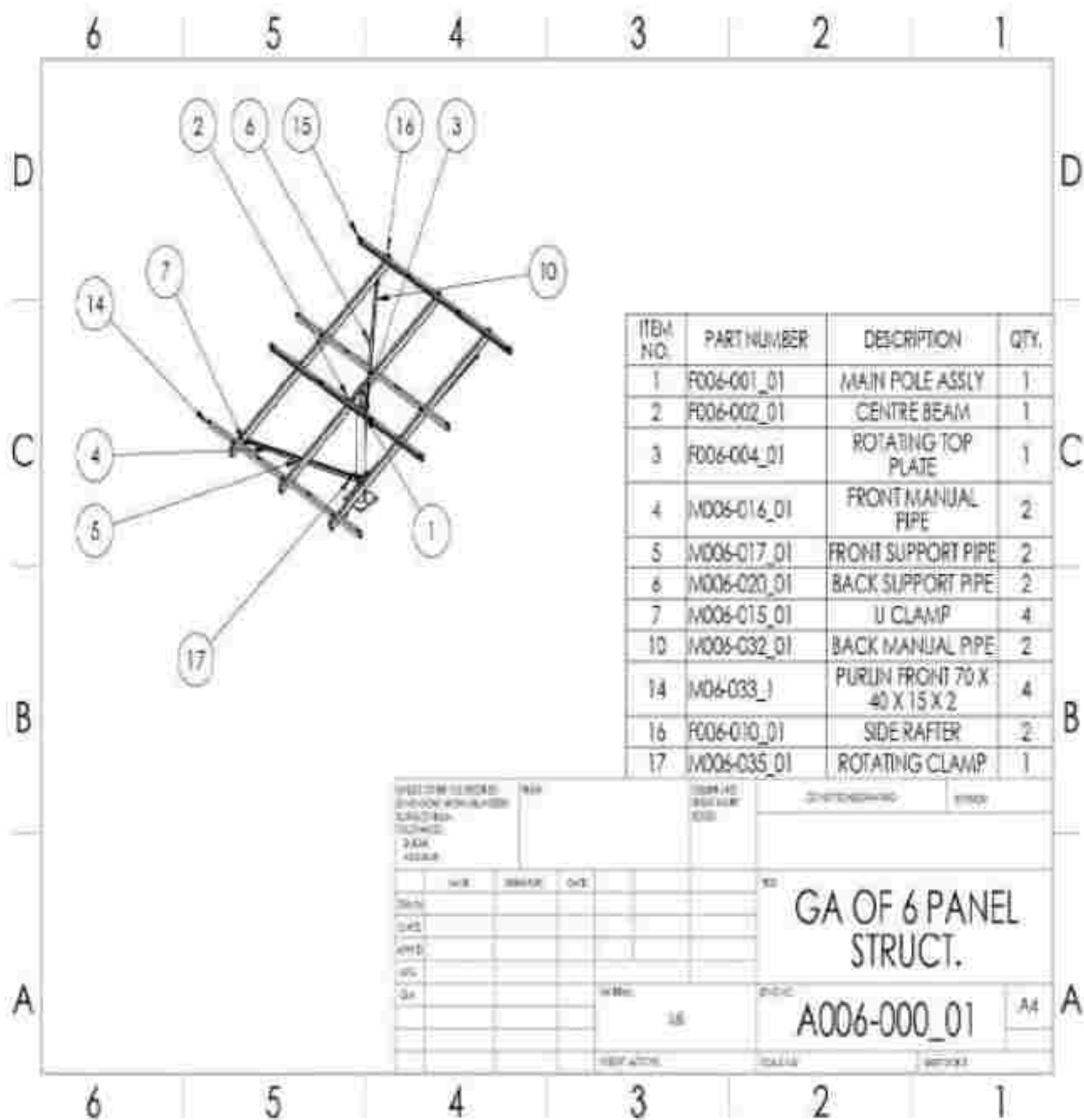


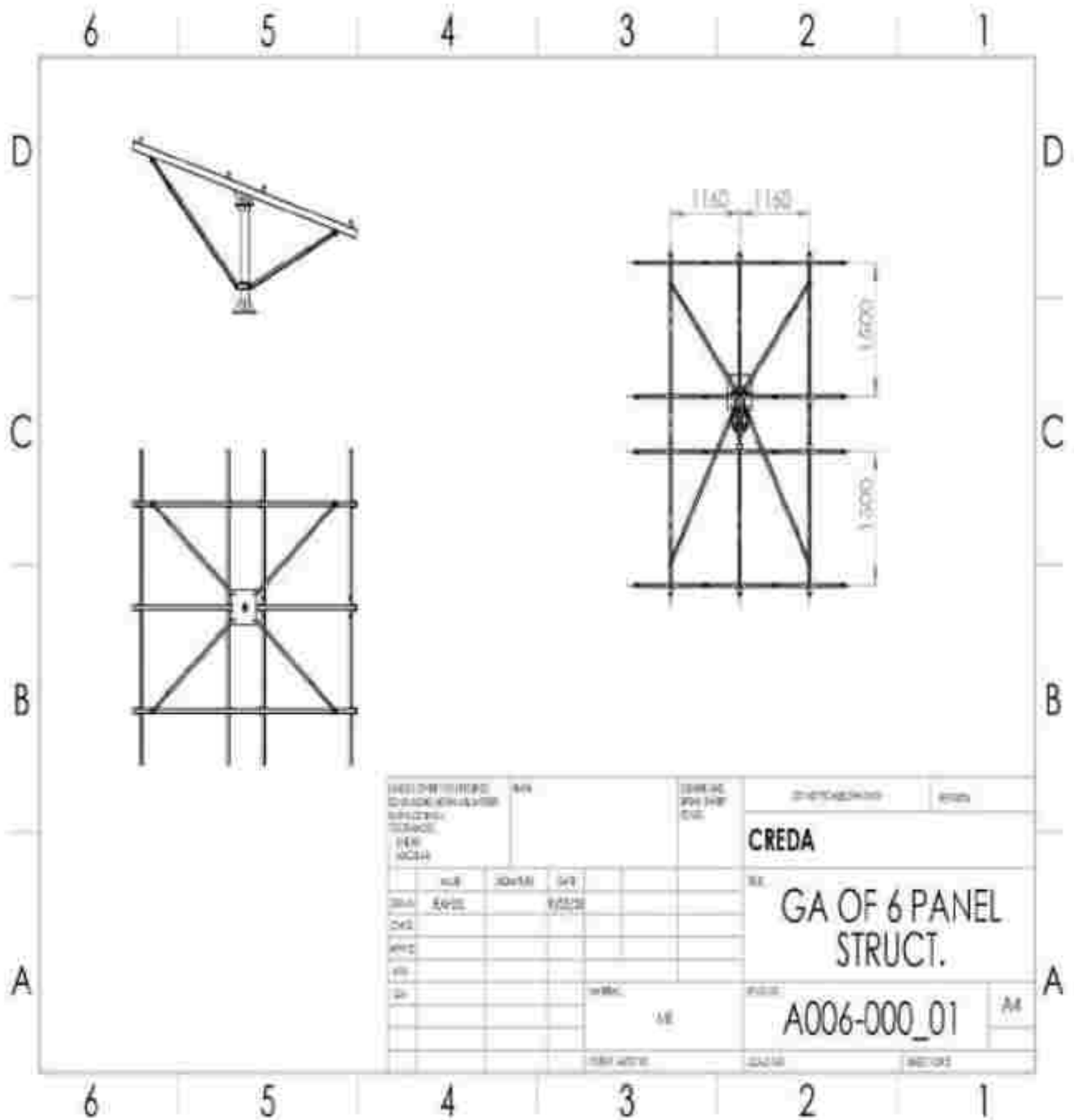
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11. 设计日期 12. 设计人 13. 审核人		14. 设计日期 15. 设计人 16. 审核人		17. 设计日期 18. 设计人 19. 审核人	
20. 设计日期 21. 设计人 22. 审核人		23. 设计日期 24. 设计人 25. 审核人		26. 设计日期 27. 设计人 28. 审核人	
29. 设计日期 30. 设计人 31. 审核人		32. 设计日期 33. 设计人 34. 审核人		35. 设计日期 36. 设计人 37. 审核人	
38. 设计日期 39. 设计人 40. 审核人		41. 设计日期 42. 设计人 43. 审核人		44. 设计日期 45. 设计人 46. 审核人	
47. 设计日期 48. 设计人 49. 审核人		50. 设计日期 51. 设计人 52. 审核人		53. 设计日期 54. 设计人 55. 审核人	
56. 设计日期 57. 设计人 58. 审核人		59. 设计日期 60. 设计人 61. 审核人		62. 设计日期 63. 设计人 64. 审核人	
65. 设计日期 66. 设计人 67. 审核人		68. 设计日期 69. 设计人 70. 审核人		71. 设计日期 72. 设计人 73. 审核人	
74. 设计日期 75. 设计人 76. 审核人		77. 设计日期 78. 设计人 79. 审核人		80. 设计日期 81. 设计人 82. 审核人	
83. 设计日期 84. 设计人 85. 审核人		86. 设计日期 87. 设计人 88. 审核人		89. 设计日期 90. 设计人 91. 审核人	
92. 设计日期 93. 设计人 94. 审核人		95. 设计日期 96. 设计人 97. 审核人		98. 设计日期 99. 设计人 100. 审核人	

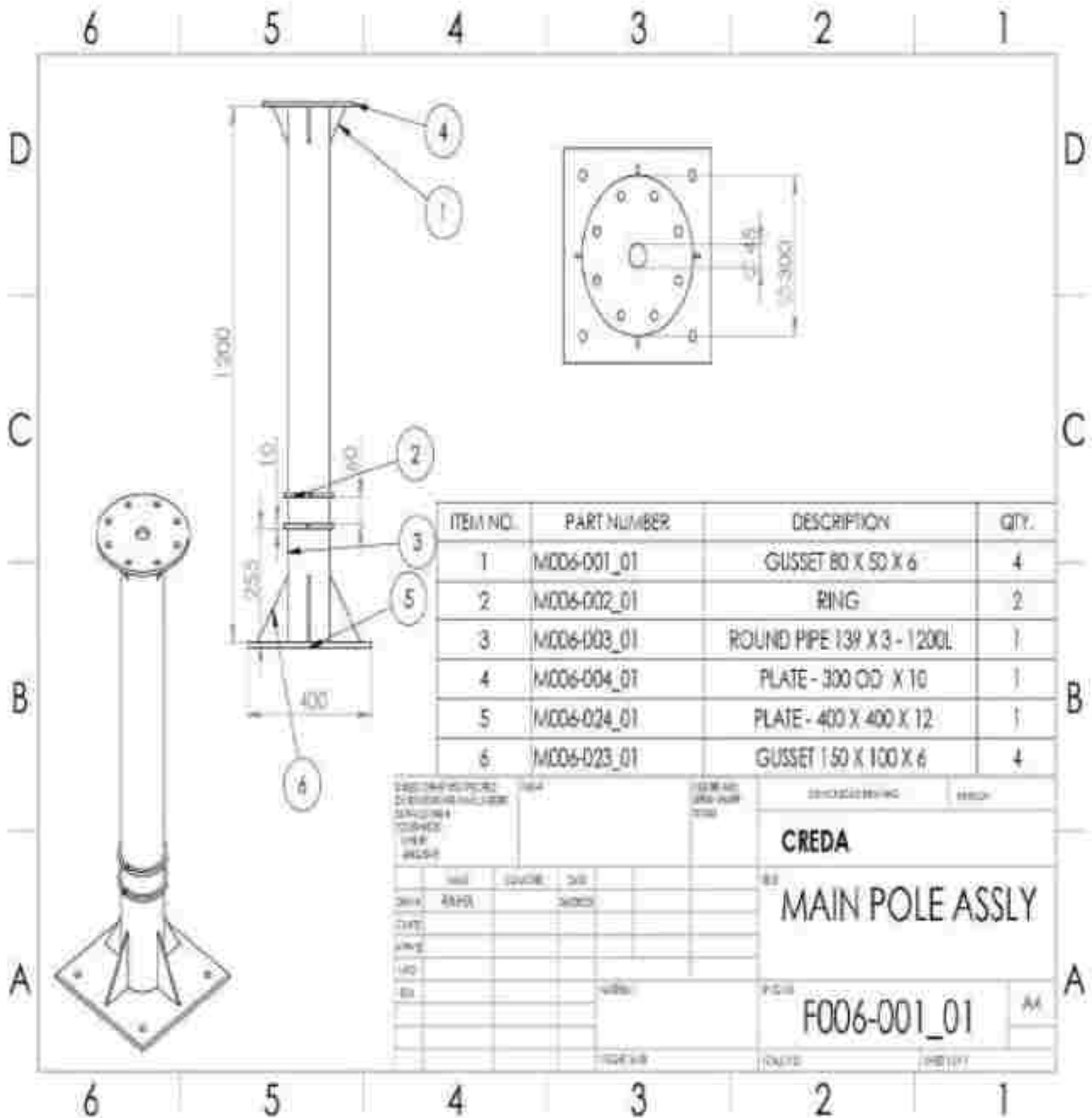


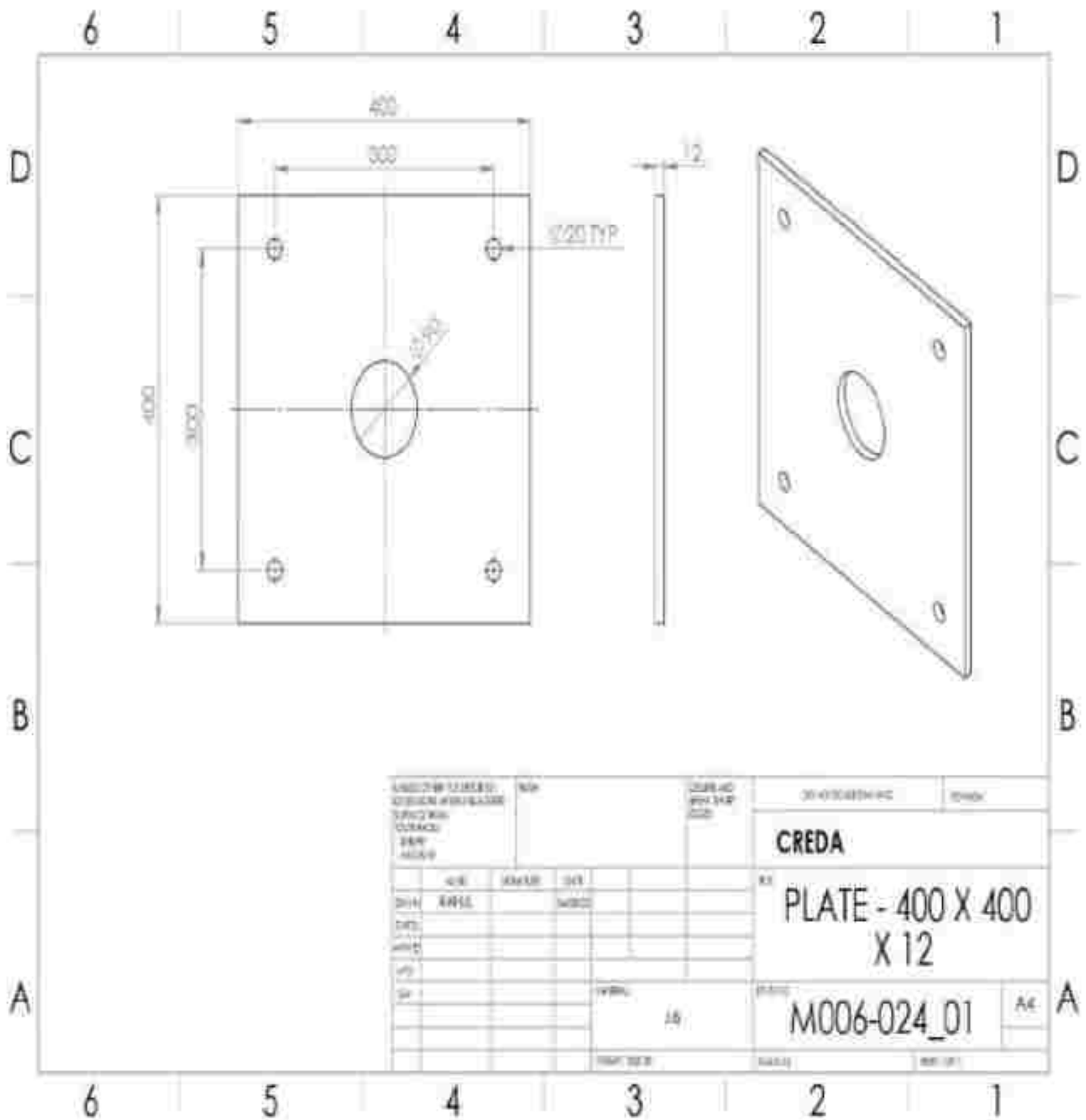
**Note :-**

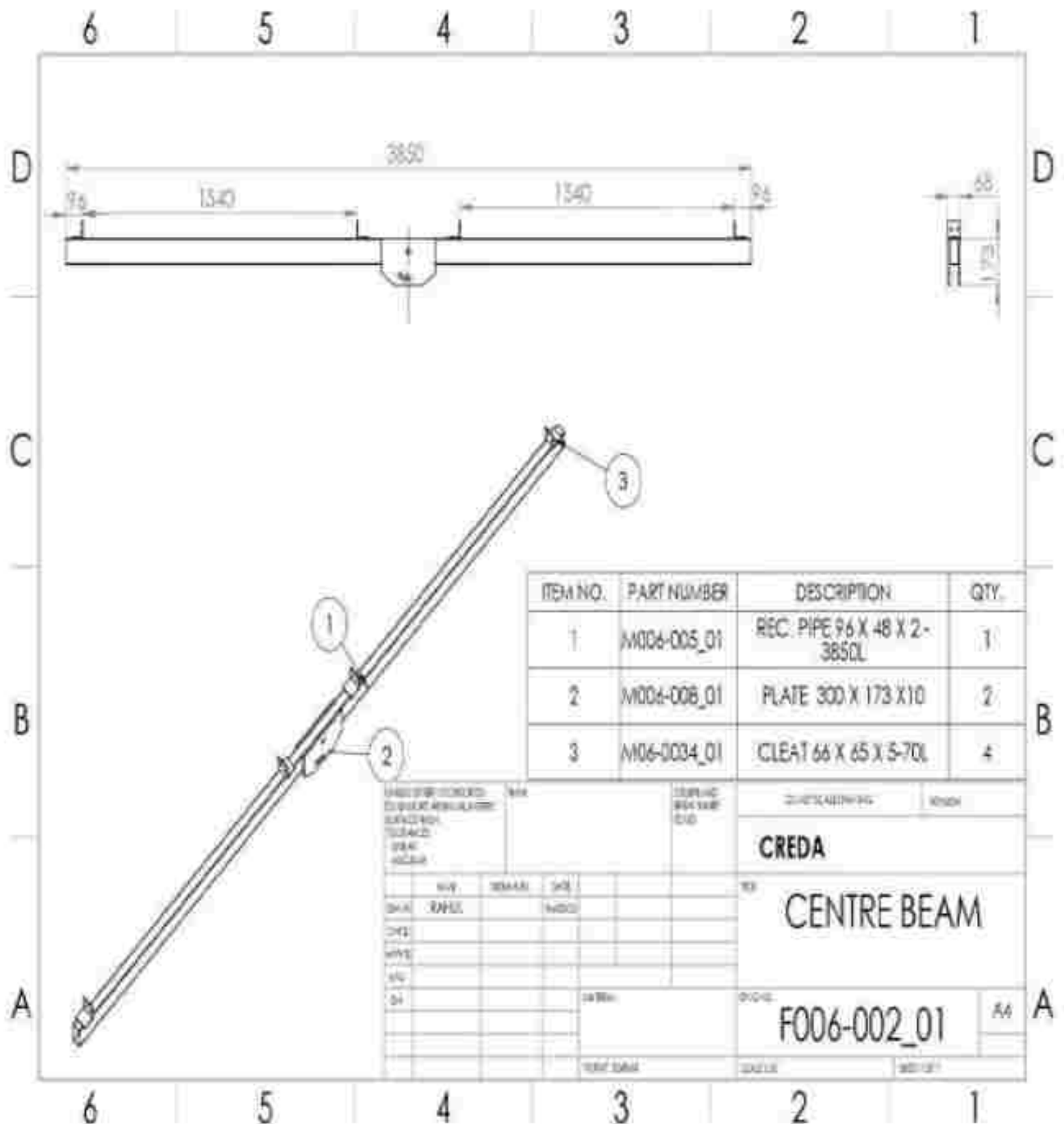
1. There shall be 50 mm gap in all side between pit wall and TMT jali.
2. Vertical length of J-bolt shall be 1200mm and bend at bottom shall be 200 mm.
3. The total length of vertical column shall be 1600 mm, which includes 450 mm above ground level and 150 mm bend at bottom.

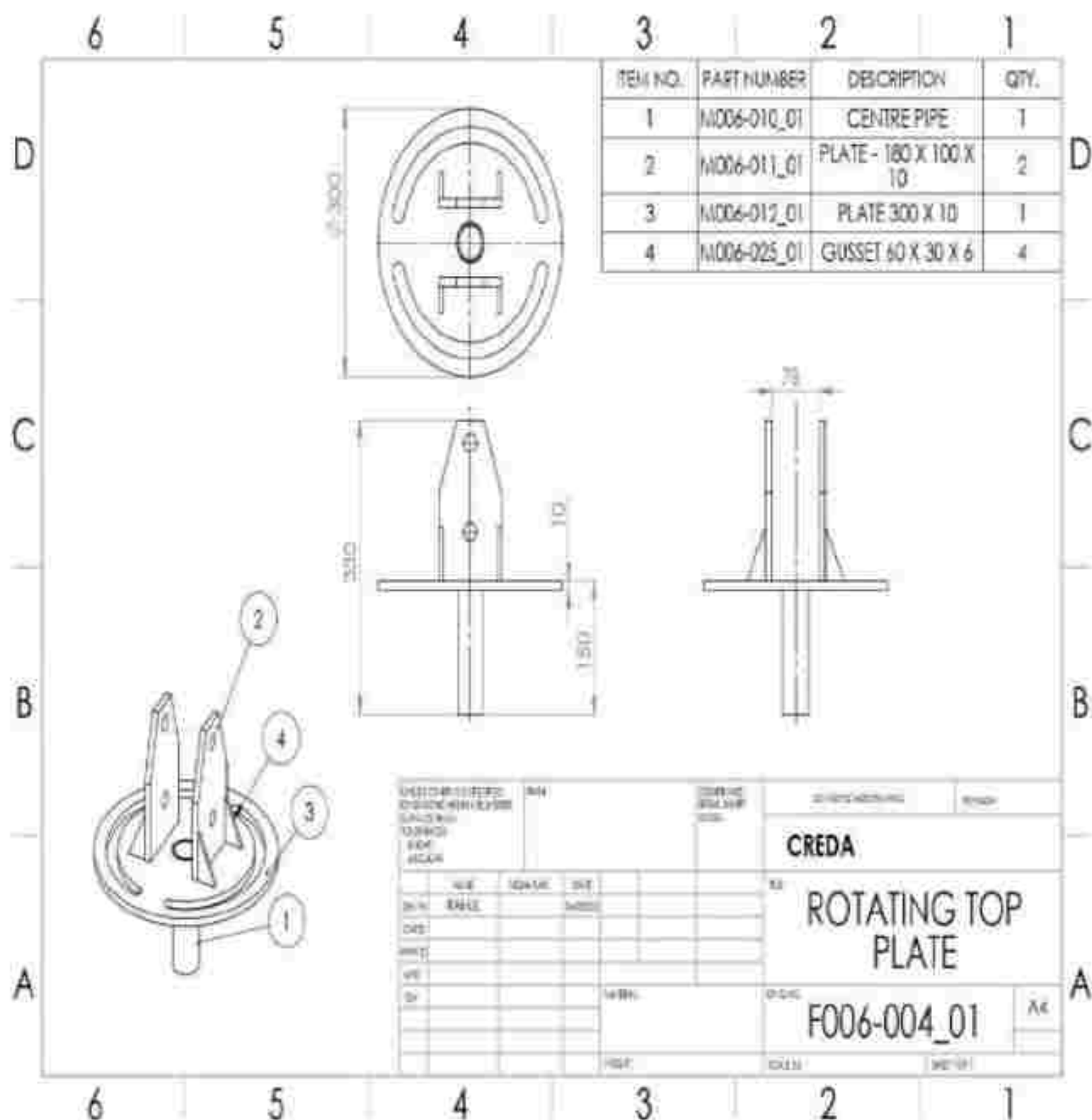


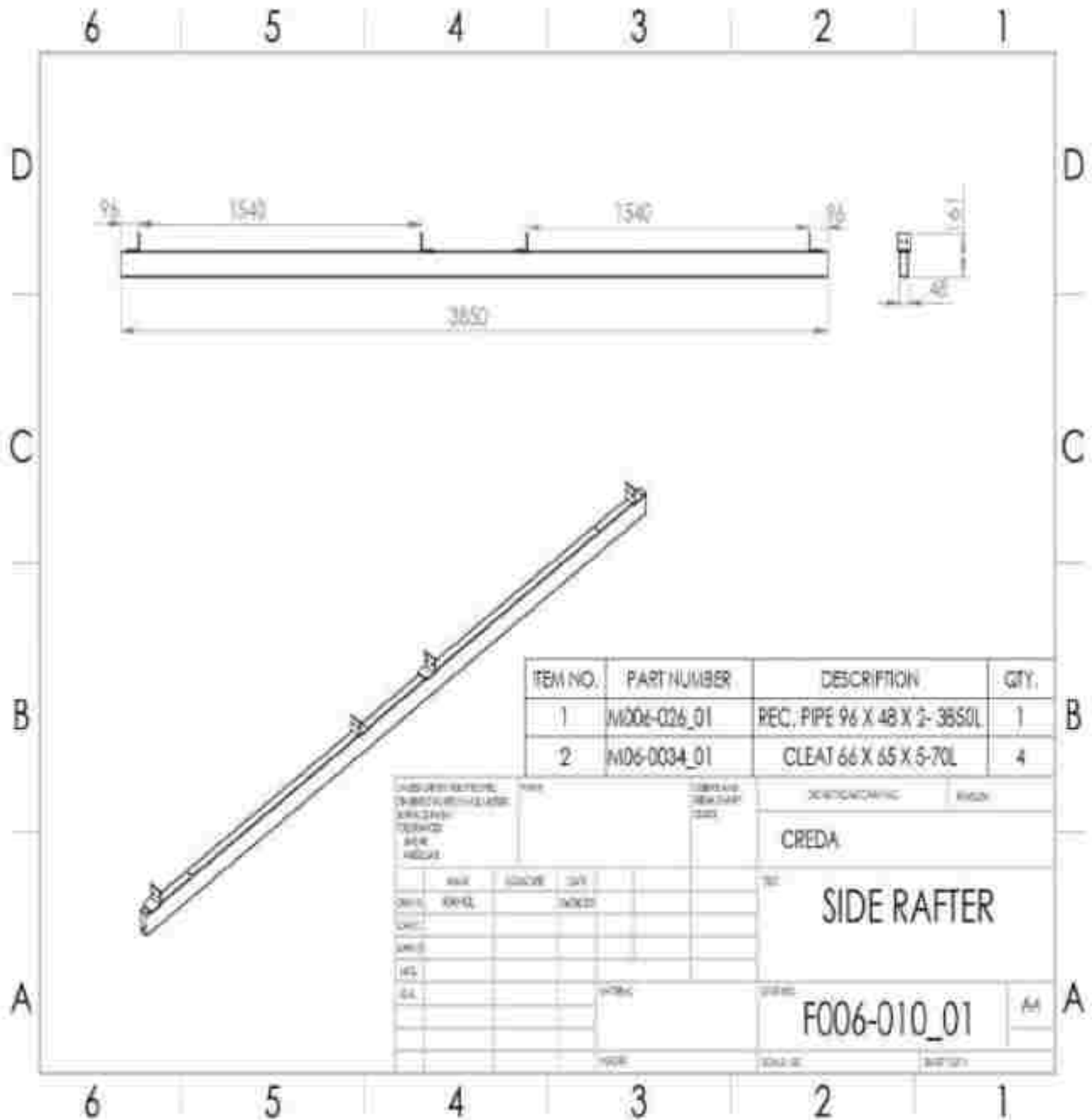


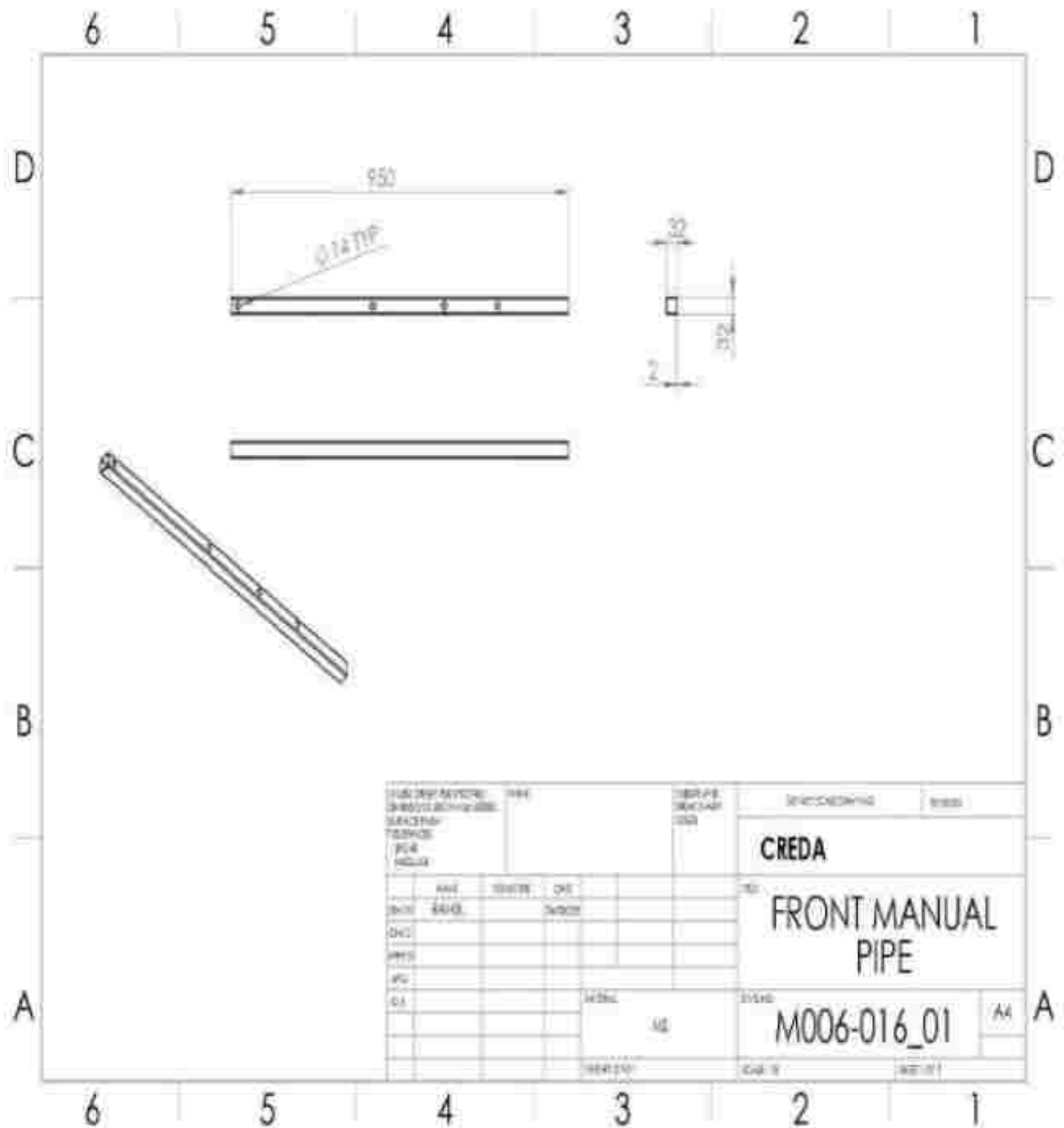


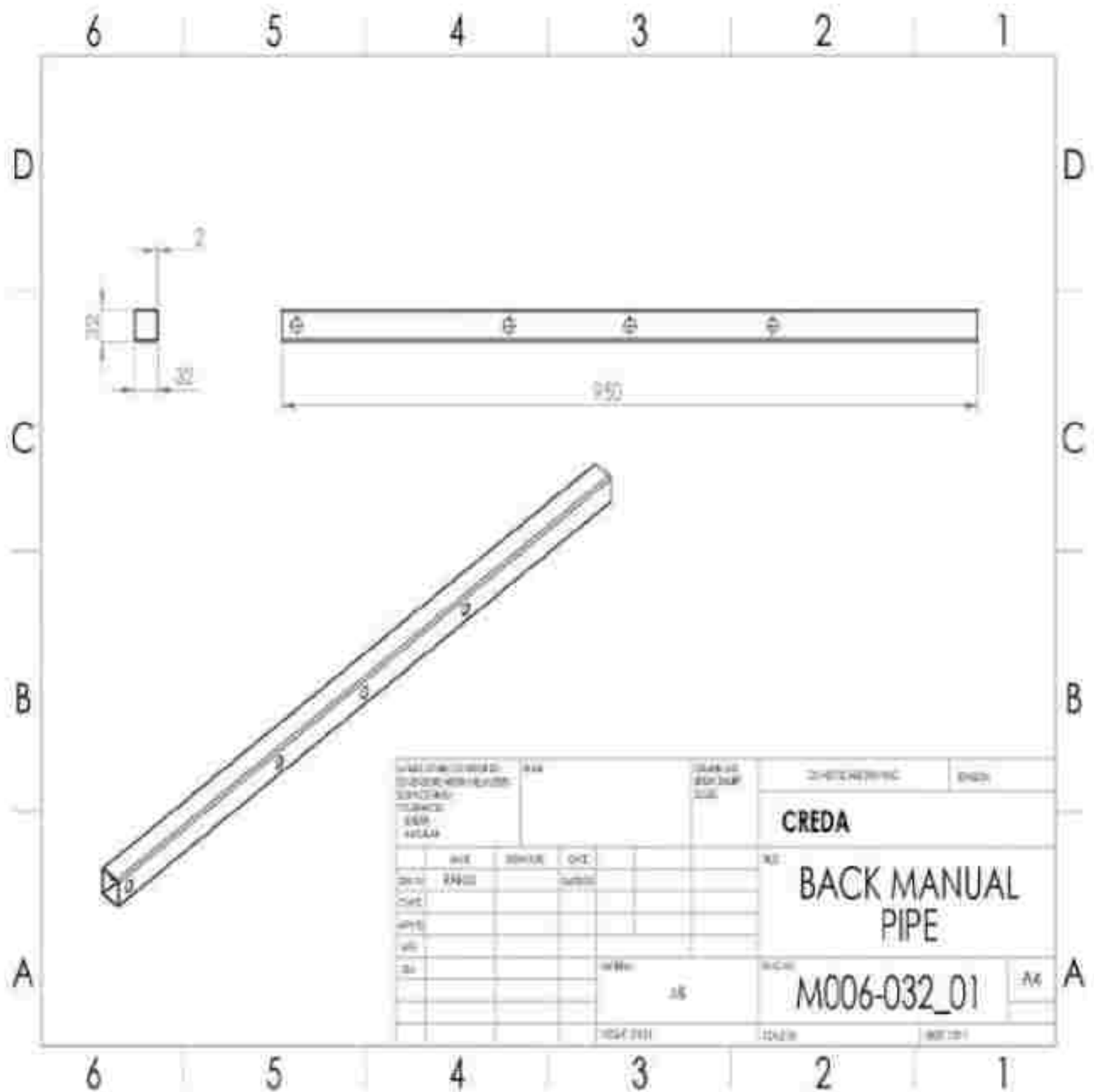


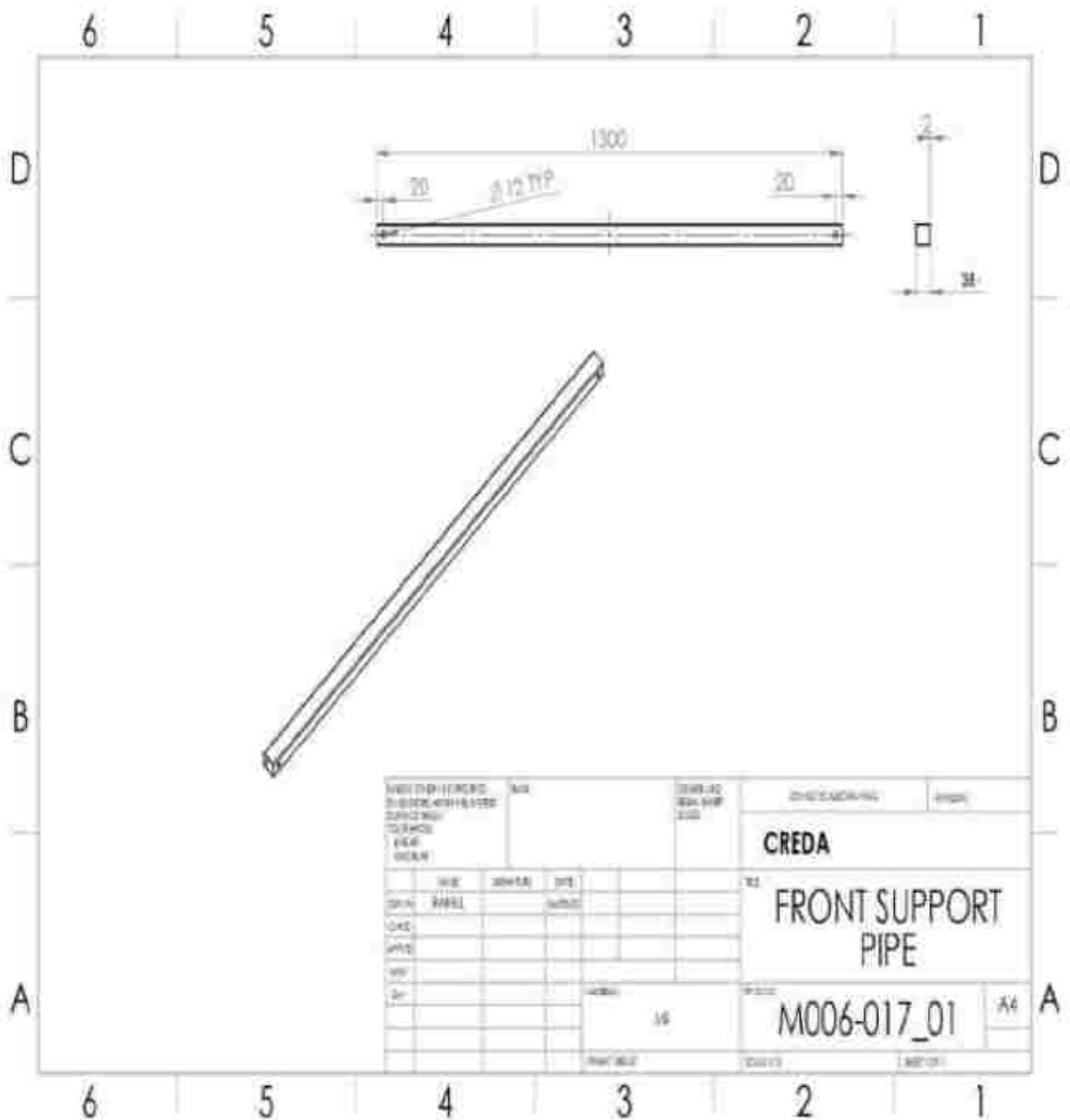


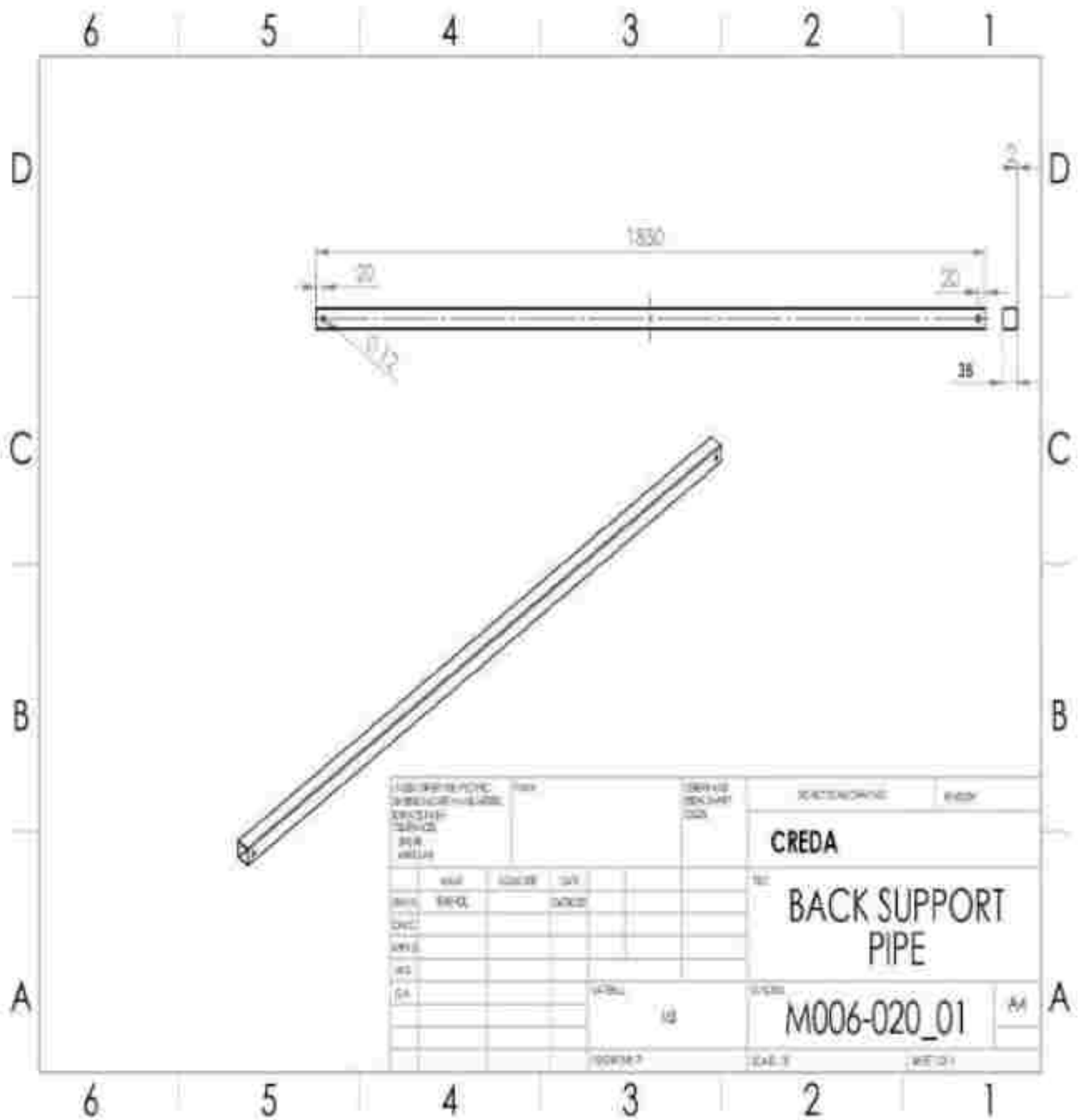


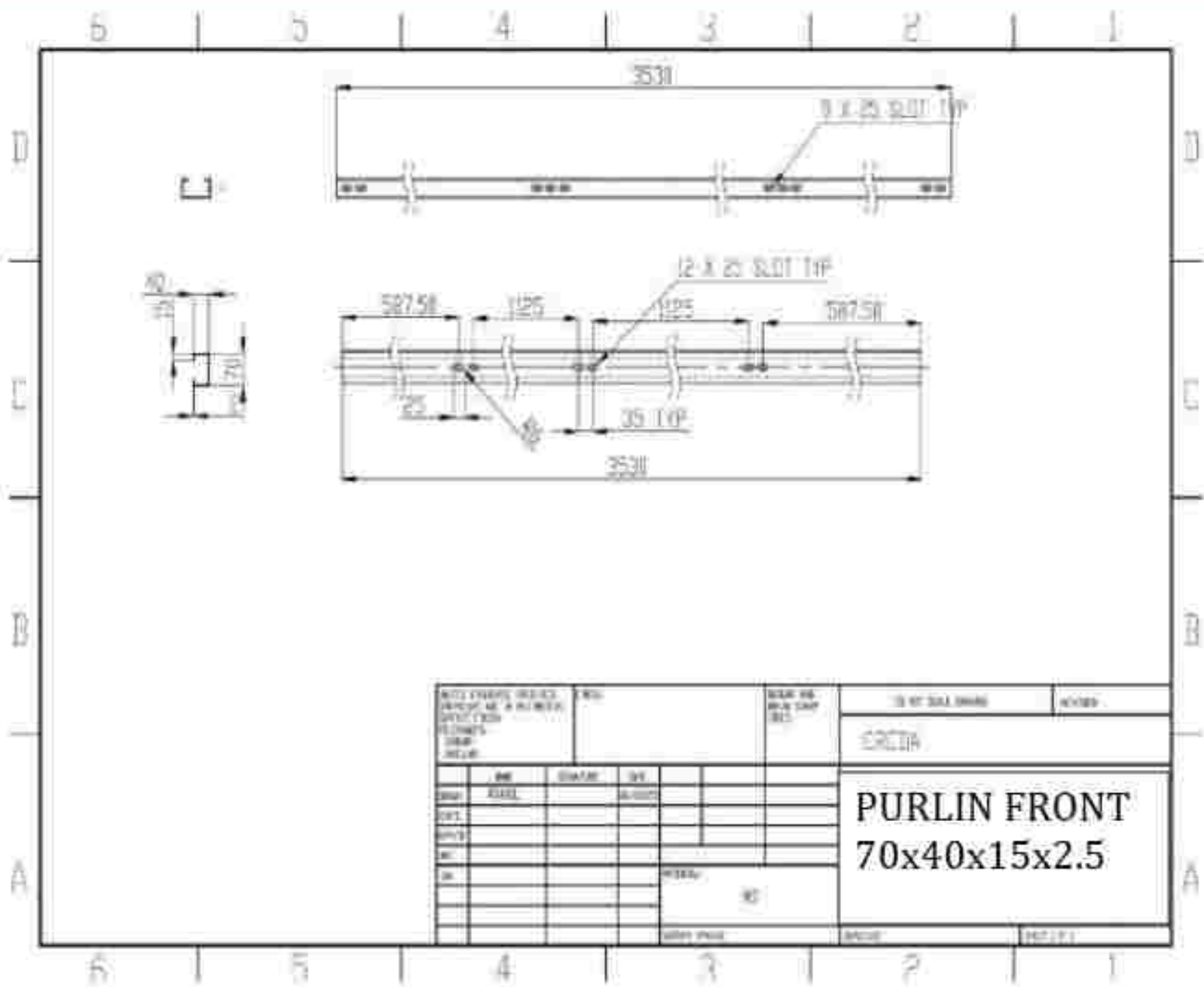


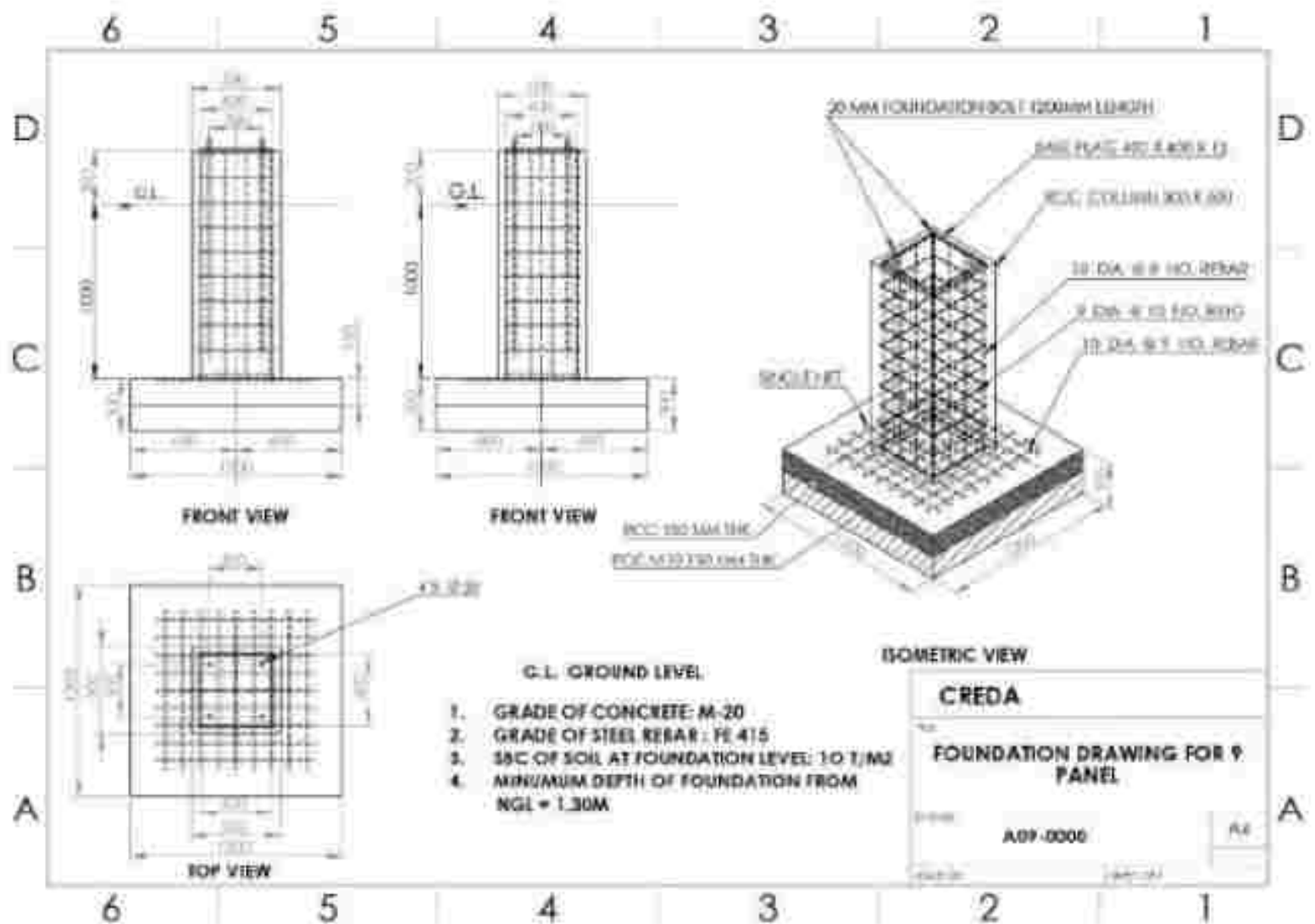




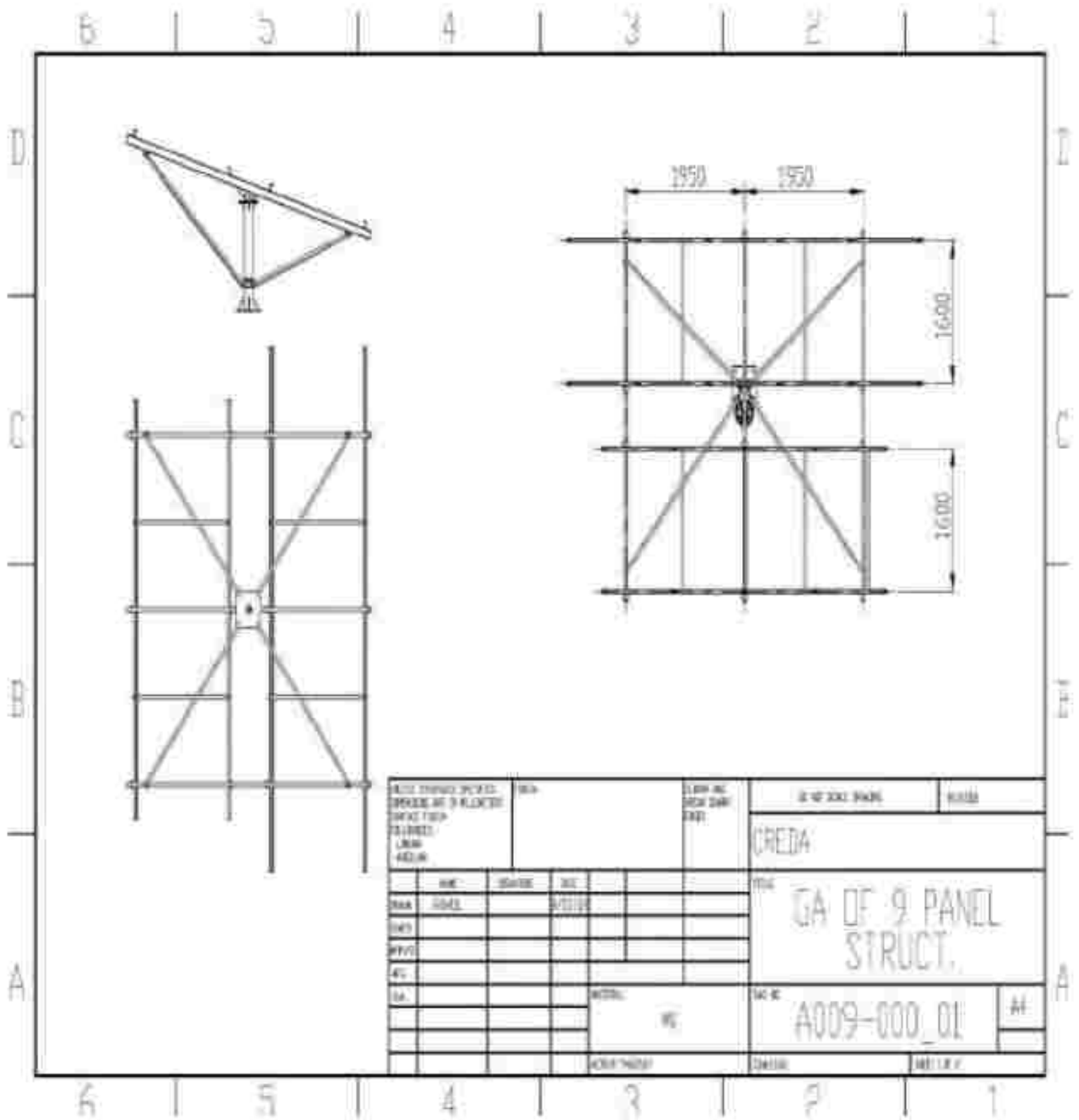


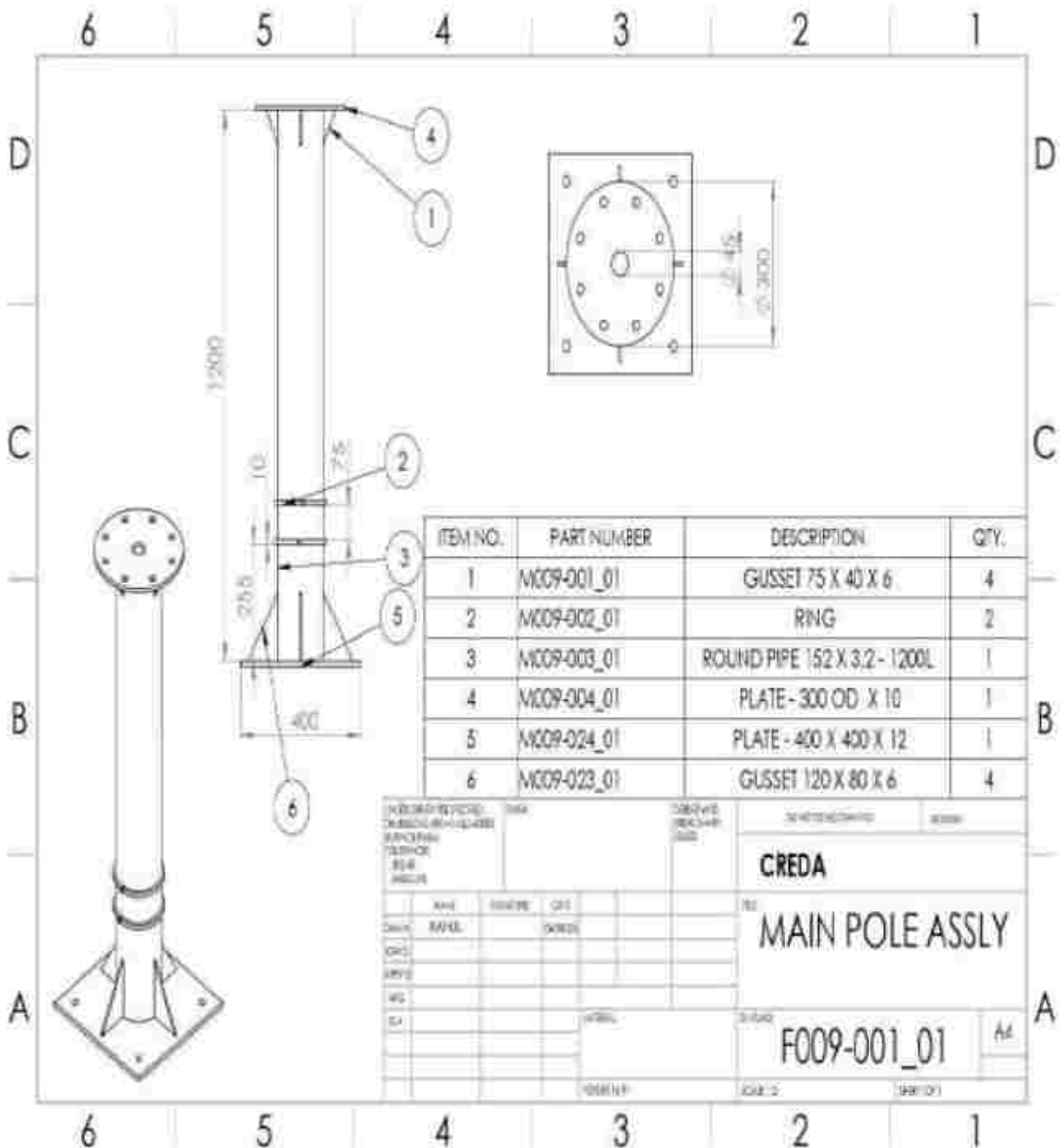


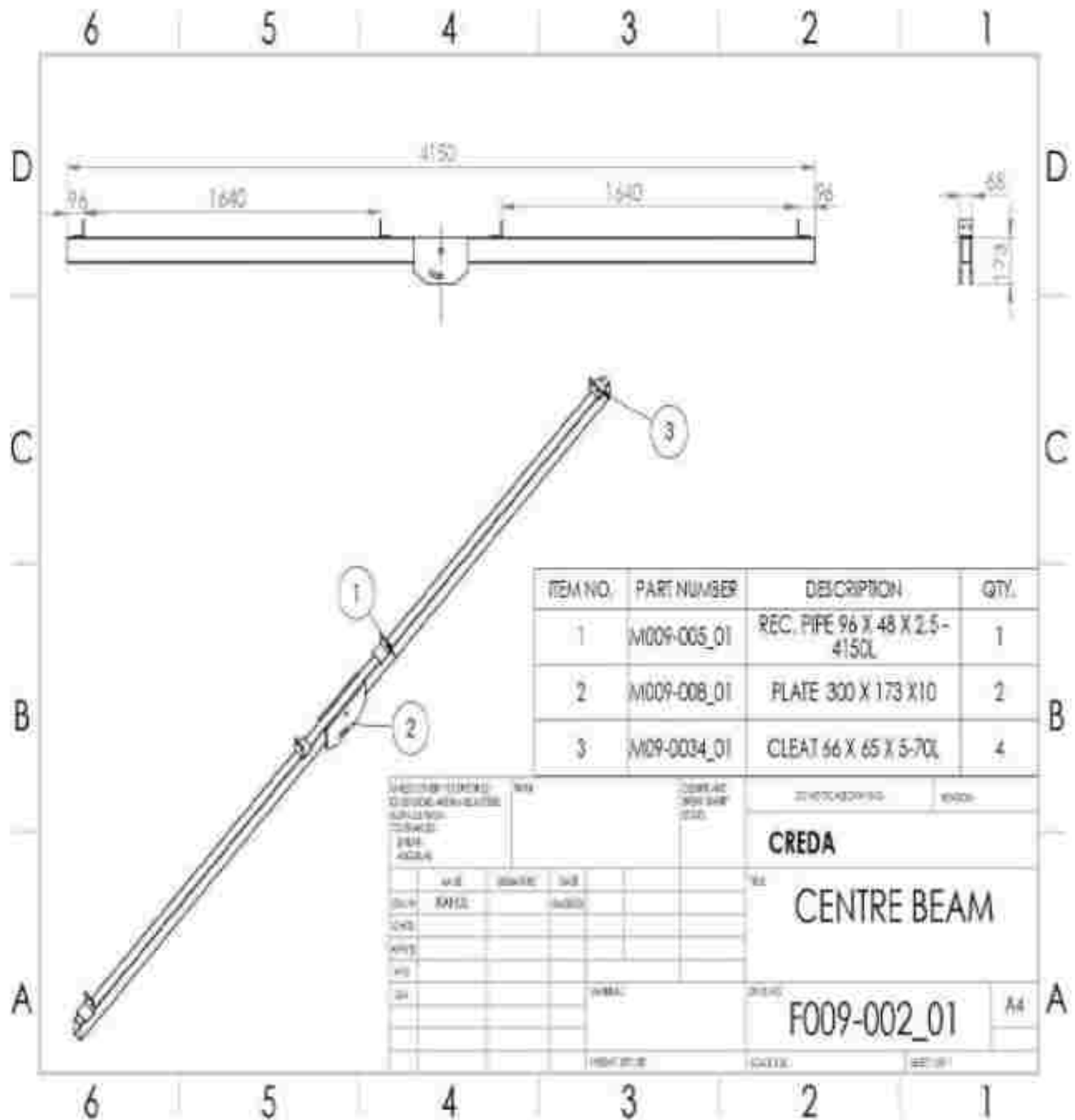


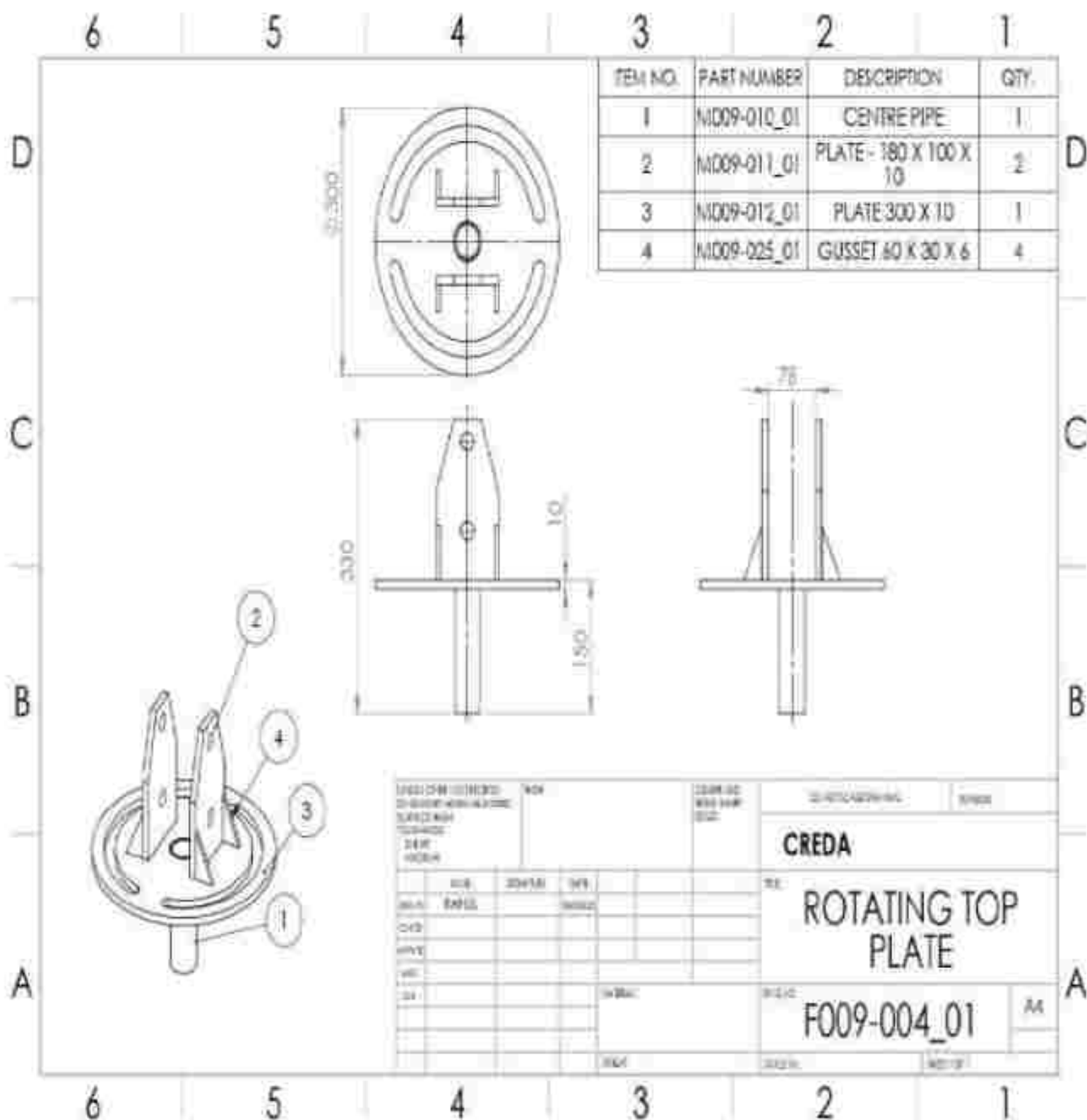
**Note :-**

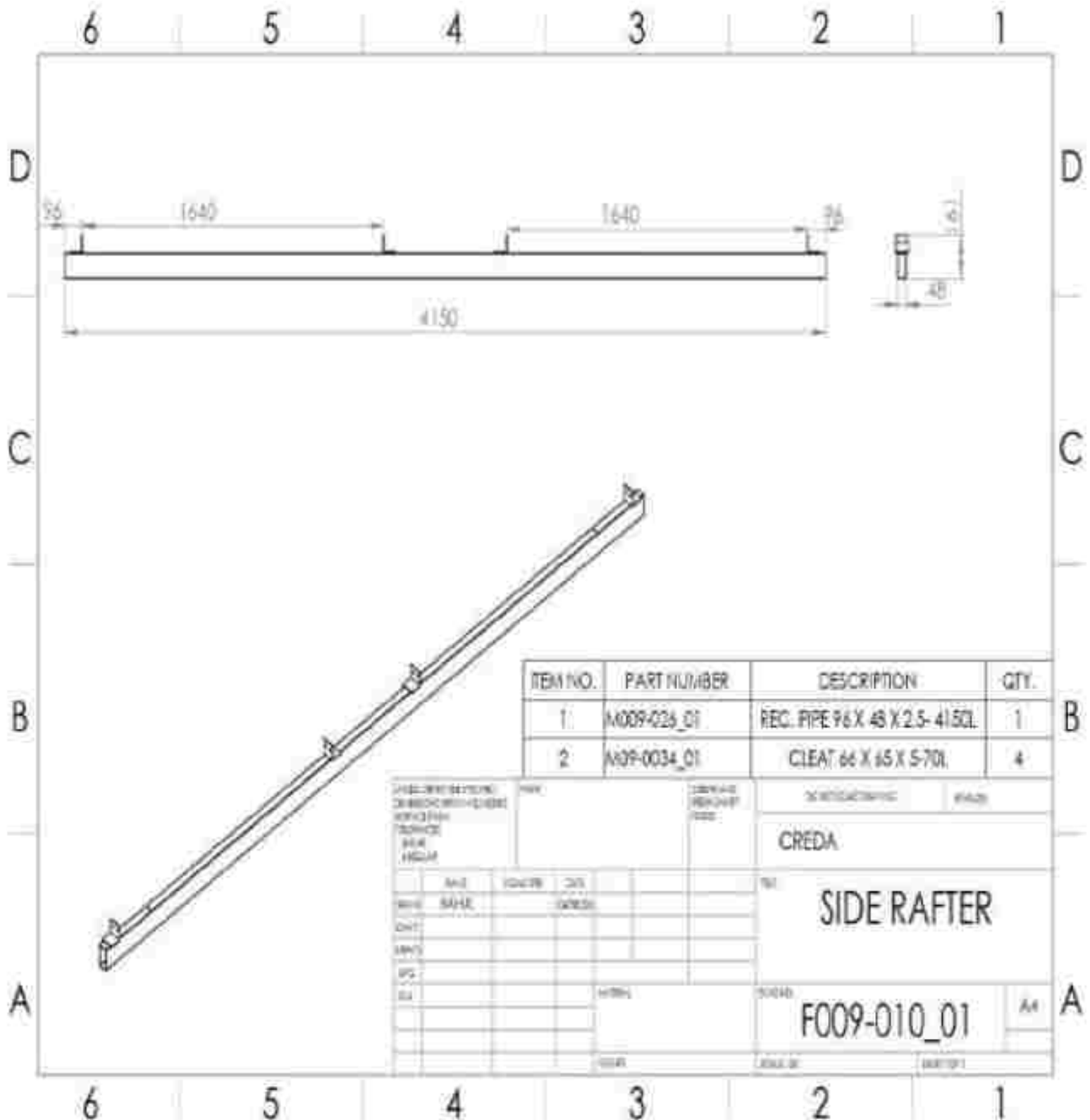
1. There shall be 50 mm gap in all side between pit wall and TMT jali.
2. Vertical length of J-bolt shall be 1200mm and bend at bottom shall be 200 mm.
3. The total length of vertical column shall be 1600 mm, which includes 450 mm above ground level and 150 mm bend at bottom.

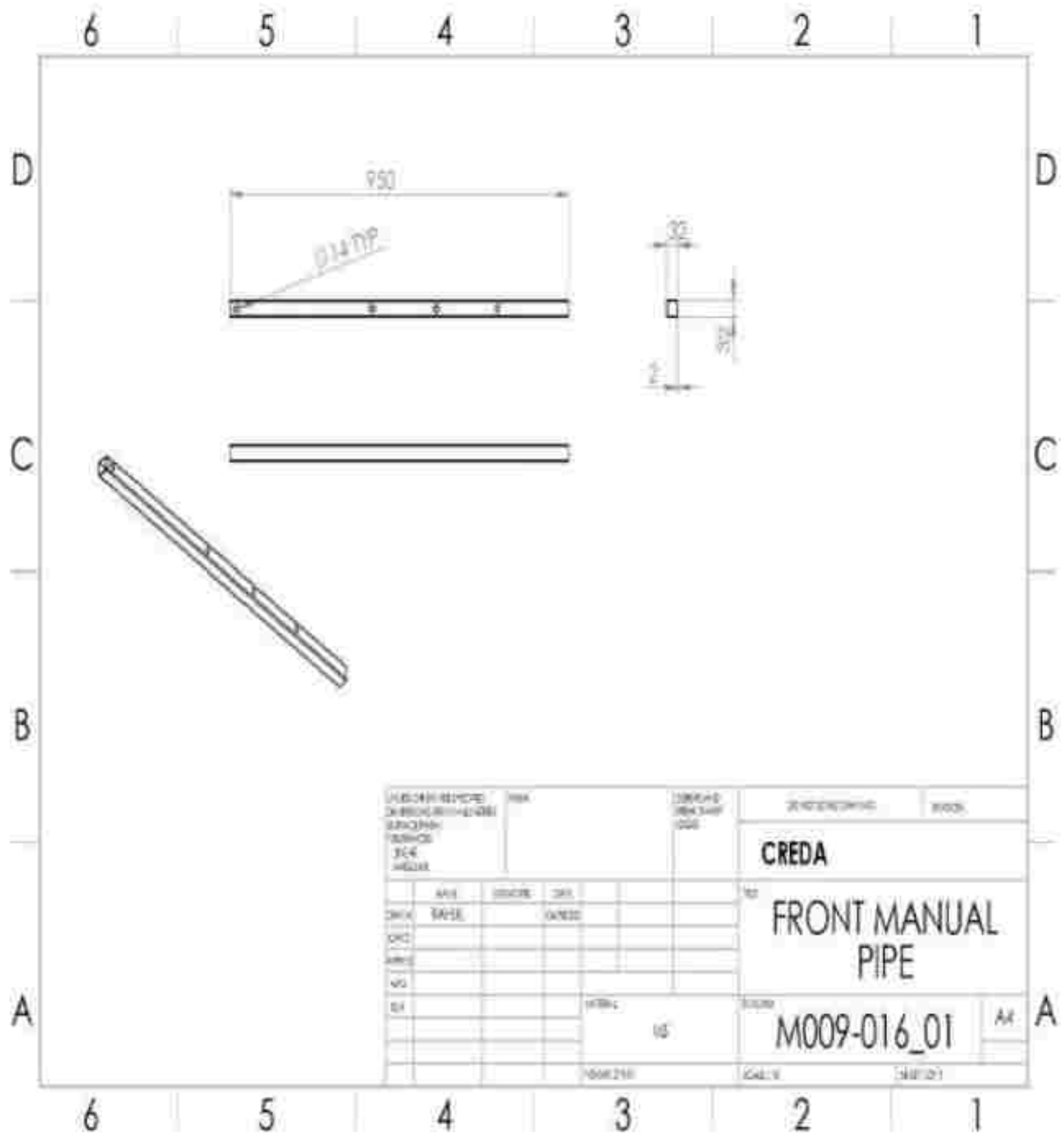


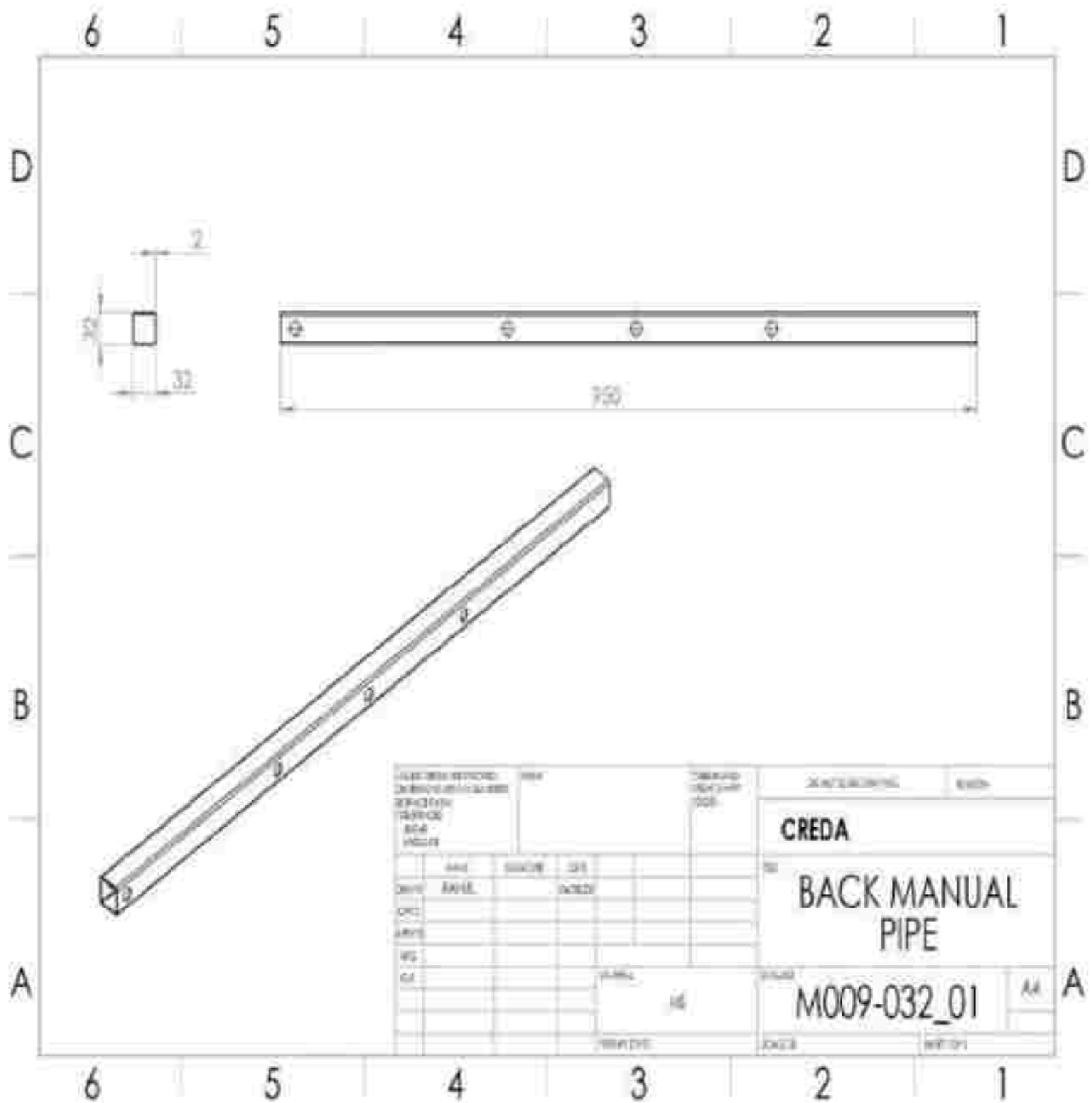


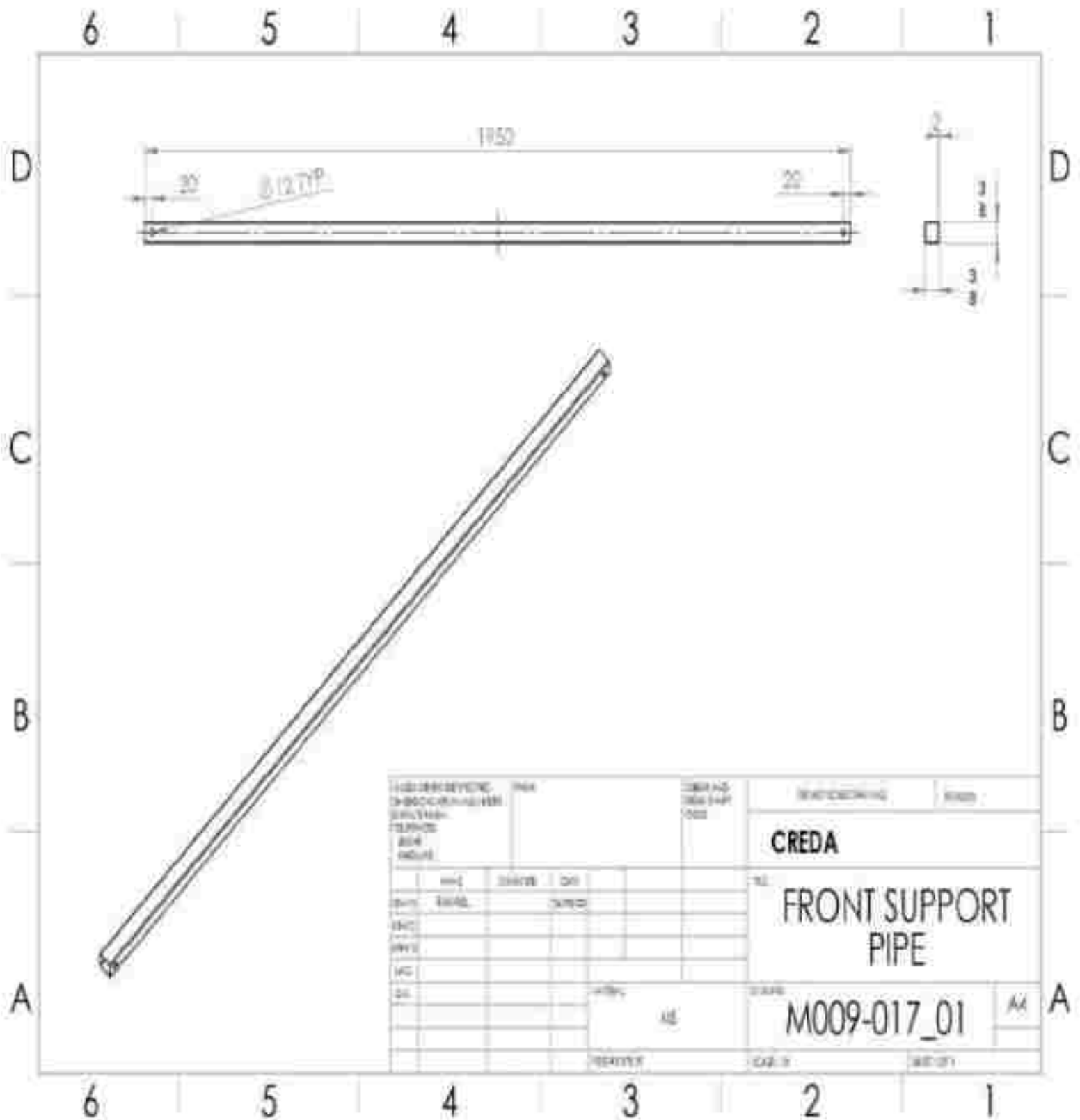


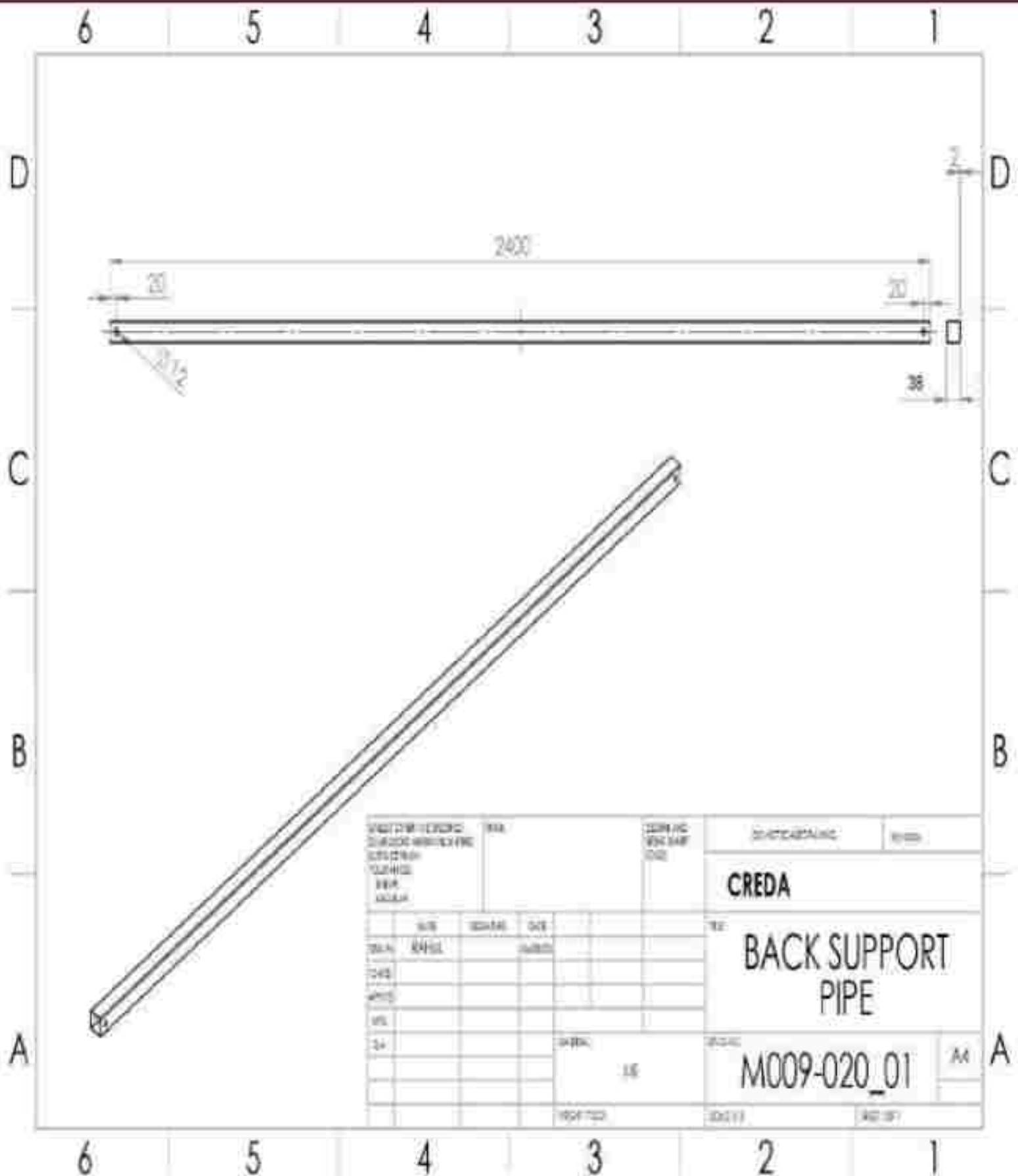


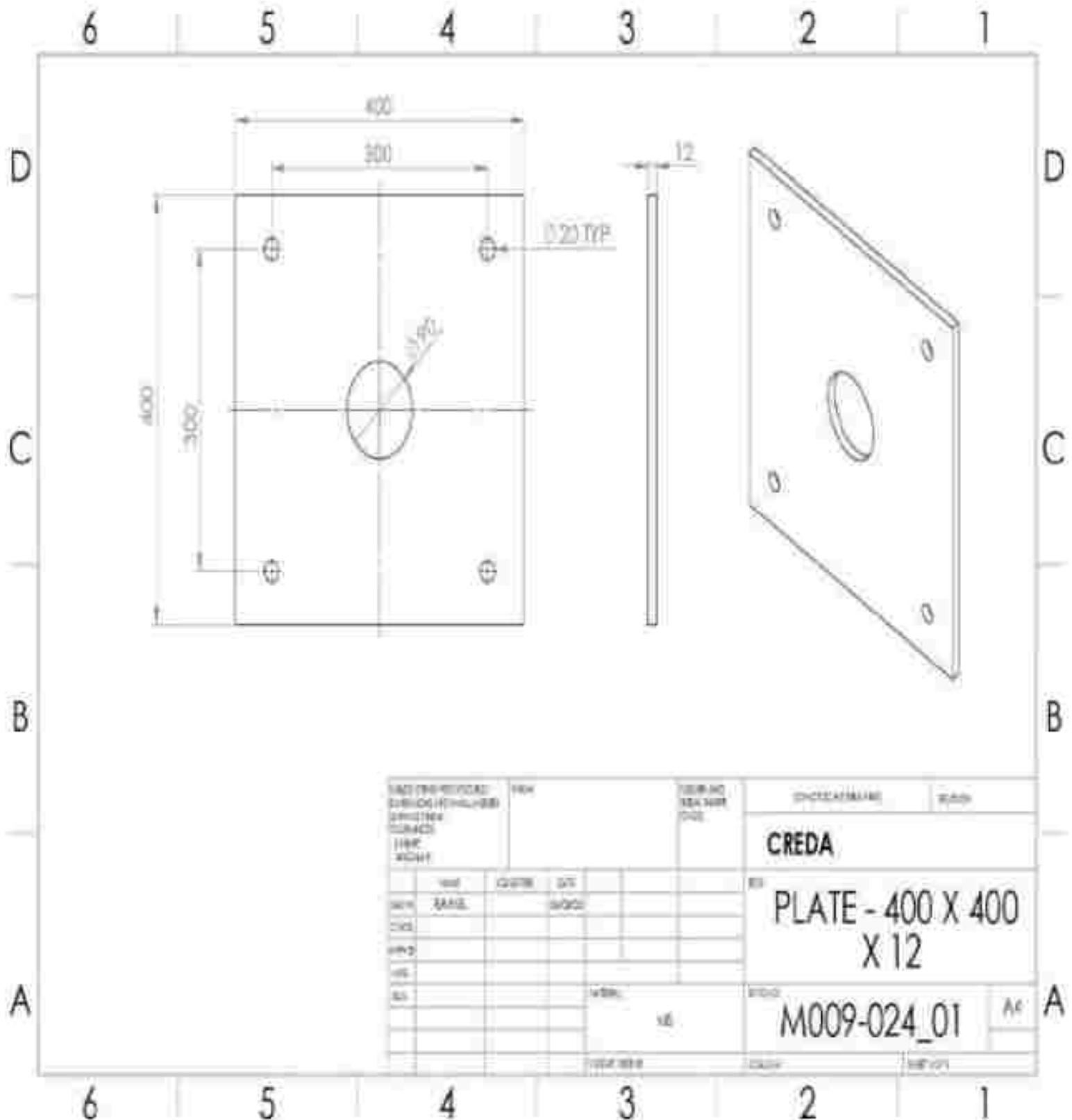


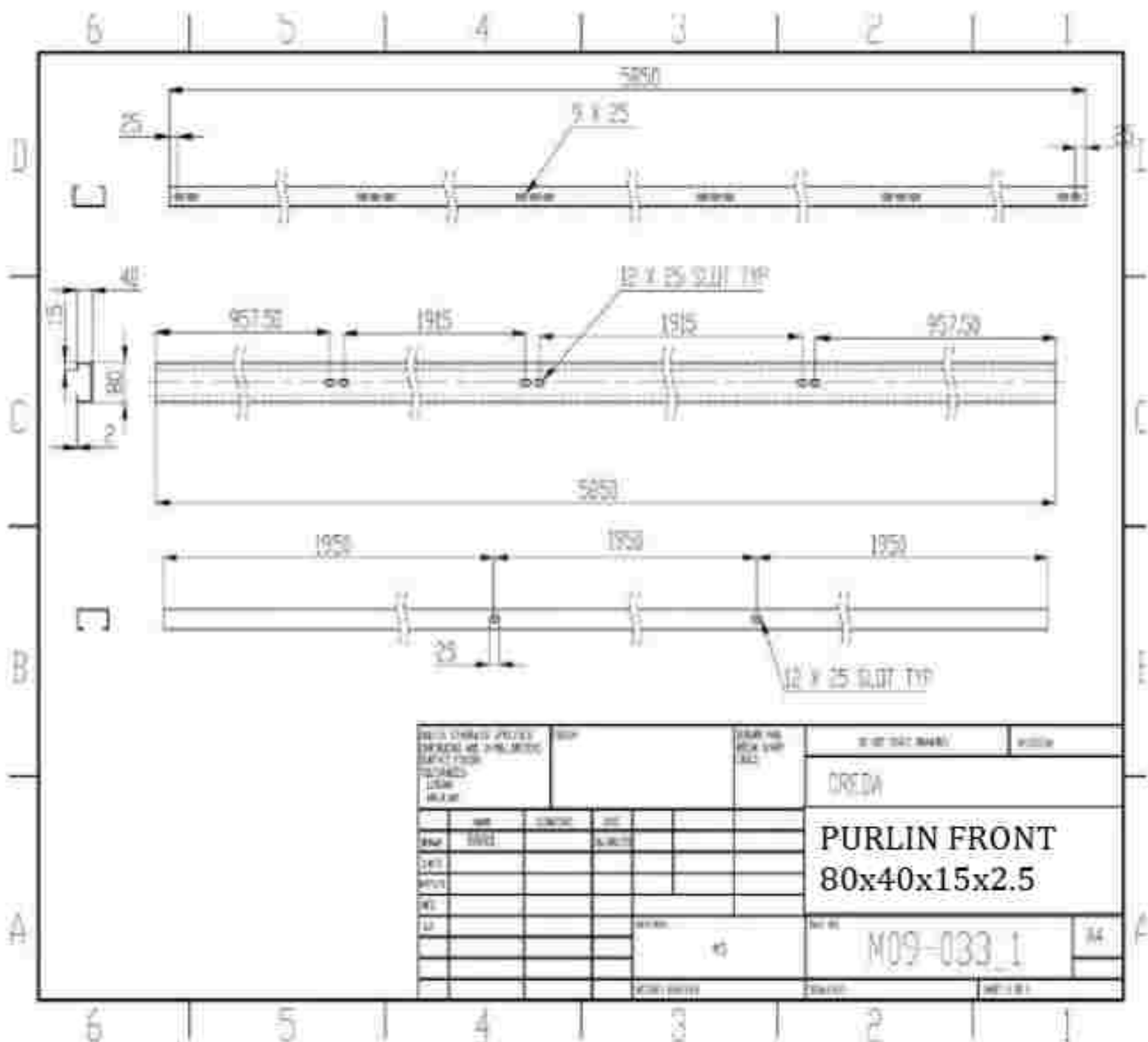


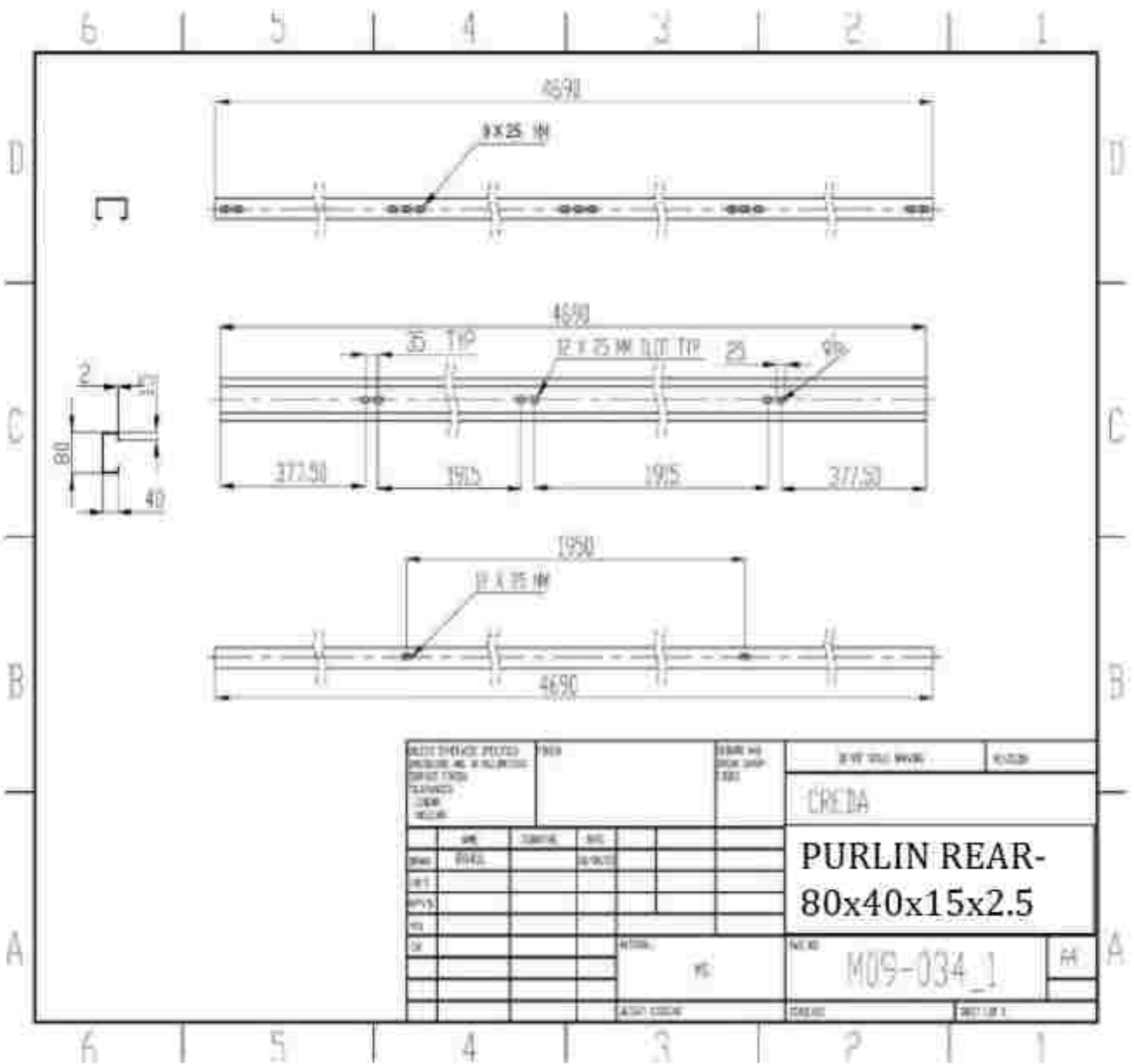












END