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ITER-India, Institute for Plasma Research

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Email : toc@iter-india.org

ENQUIRY - LOCAL

OFFICE COPY ENQUIRY NO : I-IEN20011
Date : 12/06/2020
Due Date : 07/07/2020 by 5:00 PM (IST)

We invite your rate/s for the following item/s. The Instructions to bidders and Terms & Conditions are attached herewith.

Important Note :

1. Enquiry No., Date & Due Date should appear on the envelope otherwise your offer will be rejected.
2. Address quotation only to the Purchase officer.
3. ITER-India, IPR is entitled to avail concessional rate of GST @ 5% (2.5% CGST and 2.5% SGST) as per Central Goods and Services Tax (CGST) Notification No. 45/2017-Central Tax (Rate) dated 14th November, 2017, State Goods and Services Tax (SGST) Notification No. 45/2017 – State Tax (Rate) dated 15th November, 2017 and IGST @5% as per Notification No. 47/2017-Integrated Tax (Rate) dated 14th November, 2017. Therefore, please consider GST in your quotation accordingly.

Sr No.	Material Description	Quantity	Unit
1	Fabrication of vacuum piping line and support structure as per the attached details and drawings	1	SET

Note :

- (1) Submit your quotation duly signed and stamped in a sealed envelope AT THE ABOVE ADDRESS. You can also submit quotation duly stamped and signed in soft copy through email sent to toc@iter-india.org only. The quotation submitted should be password protected. Our representative from Tender Opening Committee will call you for password so as to open the document. It is mandatory to mention the mobile no. of your contact person in your quotation.
- (2) Any clarification on this enquiry may be sought from the Purchase Officer, ITER-India
- (3) Quote with complete technical details.
- (4) Quotation should invariably be submitted in the attached format (Quotation Format) ONLY else ITER-India may not consider your offer.
- (5) Payment shall be made within 30 days from the date of final acceptance of ordered items of purchaser's site and on receipt of error free invoice and other necessary documents at our end.
- (6) Attached herewith Technical Specifications, Scope of Work and Engineering drawings Annexure-1. (Total pages 23). Bidder shall duly sign & stamp each and every page of Annexure-1 (Including Drawings) and submit along with the offer. This shall be treated as acceptance of specifications & Scope of work / supply by bidder.
- (7) Bidder under the category of Micro & small enterprise (MSE) for the quoted item shall attach MSE certificate. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible under the policy. Traders are excluded from the purview of this Policy.

Encl:- as above

Rakhi Dharamdasani
OFFICER-I (PURCHASE & STORES)
ITER-India (IPR)

TERMS AND CONDITIONS

1. The quotation and any order resulting from this enquiry shall be governed by our Conditions of Order and supplier quoting against this enquiry shall be deemed to have read and understood the same in to
2. Where counter terms and conditions have been offered by the Tenderer, the same shall not be deemed to have been accepted by ITER-India unless our specific written acceptance thereof is obtained.
3. Quotation: Your quotation superscripting our enquiry No., date, due date and brief description of item should be submitted to the Purchase Officer, ITER-India in sealed envelope on or before the due date. Late/Delayed/incomplete quotations will not be considered. Envelopes received without Enquiry number, date, due date and brief description of item may be rejected. The quoted prices should be firm for a period of 90 days from due date for placing order. ITER-India is not bound to accept lowest rate/s. Bidders shall submit the price bid/offer on Bidder's letter head with official seal and sign on each page.
4. The bid documents shall be prepared in English language only
5. All pages of the bid documents shall be numbered. Each page of the bid document shall be stamped and initialized.
6. In the event of any date indicated above is a declared Holiday, the next working day with the same time limit shall become operative for the respective purpose mentioned herein
7. In case of deviation in payment terms including demand of advance other than specified in payment schedule and accepted by ITER-India, prevailing Prime Lending Rate (PLR) of SBI will be loaded for price comparison purpose
8. ITER-India and their authorized representatives may visit the Contractor/Sub-contractors if required as part of technical evaluation process
9. ITER-India reserves the right to place order on one or more parties.
10. Specifications: Material should be offered strictly conforming to our specifications/drawings, if any. Deviation, if any, should be clearly indicated by the supplier in their quotation. The Tenderer should also indicate the Make/Type number of the materials offered and catalogues, technical literature and samples, wherever necessary should accompany the quotation. Clarification/s on specifications/drawings should be obtained from Purchase Officer before submitting quotation.
11. Terms of Prices : Quotation should be submitted on door delivery basis, duly packed & insured without extra charge wherever possible.. In the case of Indian suppliers, the material is to be delivered at our stores free of charge duly packed & insured.
12. Unit rate/s should be valid throughout the validity of Purchase Order for addition/deletion purposes. Break-up of price should be furnished. The quoted price should not be subject to price escalation for whatsoever reasons. The quoted price shall be firm, fixed and non-revisable during the validity/ extended validity of Purchase Order.
13. Prices are required to be quoted according to the units indicated in the tender form/Enquiry. When Quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.
14. Tender should be free from Correction and Erasures. Corrections, if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail. Unsigned quotations will summarily be rejected.
15. ITER-India shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portion of the quantity offered and the tenderers shall supply the same at the rates quoted. ITER-India also reserves the right to split the order at its sole discretion.
16. Octroi is not applicable at present.
17. Delivery Date/Period: Delivery period is essence of the Order. Supplier must indicate the firm delivery date by which the materials will be dispatched / delivered by them from the date of our order.
18. Delivery period shall be clearly indicated against each item separately.
19. Inspection: Materials on its arrival at ITER-India will be inspected by our Engineer/Stores In-Charge, and his decision in the matter will be final. However, where the items are required to be inspected at the Suppliers Premises, Supplier has to give advance notice to the Purchaser regarding readiness of the material to enable Purchase/Stores section to depute his representative for inspection.
20. Payment: Payment will be arranged for accepted materials only within 30 days from the date of acceptance of materials at ITER-India and receipt of error free bills in our accounts section, complete in all respects.
21. No correspondence will be entertained within 30 days from the date of receipt of material and bills, whichever is later.
22. Warranty: The Stores/Items offered should be guaranteed for a minimum period of twelve months from the date of acceptance, against defective materials, design, workmanship, operation or manufacture. For defects noticed and communicated during the Guarantee period, replacement/rectification should be arranged free of cost within a reasonable period of such notification. In case where our specifications call for a guarantee period more than 12 months specifically, then such a period shall apply.
23. The Contractor/Supplier shall at all times indemnify the purchaser against all claims which may be made in respect of the stores for infringement of any right protected by Patent, Registration of design or Trade Mark and shall take all risk of accidents or damage, which may cause failure of supply from whatever cause arising and the entire responsibility for sufficiency of all means used by him for the fulfillment of the Order.
24. Successful tenderer will have to furnish in the form a Bank Guarantee or in Indemnity Bond form as called for by the Purchaser towards adequate security for the materials/property provided/issued by the Purchaser as Free Issue Material for the due execution of the Order. Insurance for the Free Issue Material shall be arranged by the Supplier/Contractor at his risk and cost.
25. Non-compliance to tender specifications and/or tender scope and/or tender terms and conditions are liable for rejection. Decision of ITER-India in respect of non-compliance shall be final and binding on the bidders.
26. Canvassing in any form with regard to this tender will lead to rejection of the bid.
27. The Project Director, ITER-India reserves the right to accept or reject any quotations fully or partly or to cancel the enquiry without assigning any reasons.
28. This enquiry is not a commitment and the Purchaser reserves the right to reject or cancel any or all offers.
29. Jurisdiction: The Order shall be governed by the Laws of India for the time being in force. The Courts of Ahmedabad/Gandhinagar only shall have jurisdiction to deal with and decide any legal or dispute arising out of this Order.
30. Unsuccessful bidders will not be intimated about the results of the enquiry/tender.
31. Purchase will not be responsible for payment of any interest to the Supplier, in case of delay in releasing payment.
32. The price evaluation shall be carried out on Landed price.

FORMAT FOR SUBMISSION OF QUOTATION

Enquiry No. : I-IEN20011
Name Of Party : OFFICE COPY
Quotation No. & Date :
Due on : 07/07/2020 by 5:00 PM (IST)

Sr No.	Material Description	Qty	Unit	Rate	Total
1	Fabrication of vacuum piping line and support structure as per the attached details and drawings	1	SET		
				Grand Total	

COMMERCIAL TERMS & CONDITIONS *

Sr.No	Description	Bidder's Compliance
1	Free Door delivery	
2	Packing & Forwarding (To Specify, if any)	
3	Safe Delivery Charges (Please mention if not included in rate mention above)	
4	Delivery Period (Refer Sr. No.4 of Annexure-1)	Comply Yes/No (In case of No Please provide details)
5	Payment:ITER-India payment terms will apply (Refer Sr. No. 5 of Note)	Comply Yes/No (In case of No Please provide details)
6	Warranty (Refer Sr. No. 22 of Terms and Conditions)	Comply Yes/No (In case of No Please provide details)
7	Validity Period (Refer Sr.No. 3 Of Terms and Condition)	Comply Yes/No (In case of No Please provide details)
8	GST (Refer Sr.No. 3 of Important Note)	Comply Yes/No (In case of No Please provide details)
9	GST (Not to be included in quoted rates) (Mention GST% & confirm GST extra)	
10	GST Registration No. (To specify)	
11	HSN Code	
12	Udhyog Aadhar No. & Category (Micro/Small Enterprise)(Refer Sr. no. 7 of Note)	
13	Discount (If any)	
14	Remarks	

* Fill in the applicable details

Place:

Authorised Signatory:

Date:

Company Seal

Annexure-I Enq. No. I-IEN20011

Title

**Fabrication of vacuum piping line & Support
Structure**

**ITER-India, Institute for Plasma Research
Block A, Sangath Skyz, Bhat-Motera Road, Koteswar,
Ahmedabad 380005, Gujarat, India**





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1. Requirement

Fabrication of vacuum compatible piping line, with leak rate $\leq 5 \times 10^{-7}$ mbar Litre/ sec or better, for the gyrotron test facility consisting of MOU cylinder, pipe sections & bends along with their flanges, couplings, gaskets, fasteners and the support structure of the line.

2. Scope of Work

Table 1: Scope of work

S.N	Main Scope of work includes (but not limited to)
1	Procurement of all involved materials as needed
2	Machining/ fabrication (welding etc.) /Buffing & Electro-polish of components
3	Testing of components/assembly for vacuum compatibility as per test requirements.
4	Packing & delivery to ITER-India site

3. Bill of Material (BoM)

Refer Engineering Drawings

4. Acceptance criteria

Factory Tests

It is desirable that all joints should be tested for the leak rates complying to leak rate $\leq 5 \times 10^{-7}$ mbar Litre/ sec. However, if the fabricator doesn't have access to Helium leak detector, they should have in-house or an access to vacuum pumping system to demonstrate or report the vacuum level at least up to 10^{-2} mbar in the fabricated assembly before dispatching the material to ITER-India site.

ITER-India on its discretion may witness the test at factory.

However, a final acceptance will be given only after successful completion of site acceptance tests at ITER-India for leak rate test complying to $\leq 5 \times 10^{-7}$ mbar.liter/sec

Delivery period

2-3 months

Fast delivery preferred

Packing & Shipment



The material should be appropriately packed & dispatched to ITER-India Lab, IPR with the following address:

EC-Lab, ITER-India Lab Building

Institute for Plasma Research, Near Indira Bridge, P.O. Bhat

Gandhinagar 382 428

Prior information of the material dispatch shall be given to ITER-India Purchase Officer.

Final Acceptance

The final acceptance of the components would be given upon successful completion of the following at ITER-India site:

- I. Visual inspection for any physical damages
- II. Dimensional & other compliance checks
- III. Helium leak detector (HLD) tests as per required specifications.

5. Annexure

List of Drawings

S.N.	Part no.	Item detail	Drawing No.
0	0	Assembly of piping line with support structure	II/ECRH/vacuum/MOCKUP/01
1	1	Assembly of Piping line	II/ECRH/vacuum/MOCKUP/01/02
2	2	Stand & Support for MOU cylinder	II/ECRH/vacuum/MOCKUP/01/03 II/ECRH/vacuum/MOCKUP/2.2
3	3	Stand for line-1	II/ECRH/vacuum/MOCKUP/01/04
4	4	Support for line-1 & line-2	II/ECRH/vacuum/MOCKUP/01/05
5	5	Support for Tee	II/ECRH/vacuum/MOCKUP/01/06
6	1.1	MOU assy.	II/ECRH/vacuum/MOCKUP/1.1
7	1.2	Line-1	II/ECRH/vacuum/MOCKUP/1.2
8	1.3	Line-2	II/ECRH/vacuum/MOCKUP/1.3
9	1.4	Bend	II/ECRH/vacuum/MOCKUP/1.4
10	1.5	Tee Assy.	II/ECRH/vacuum/MOCKUP/1.5
11	1.1.1	MOU Cylinder	II/ECRH/vacuum/MOCKUP/1.1/1.1.1



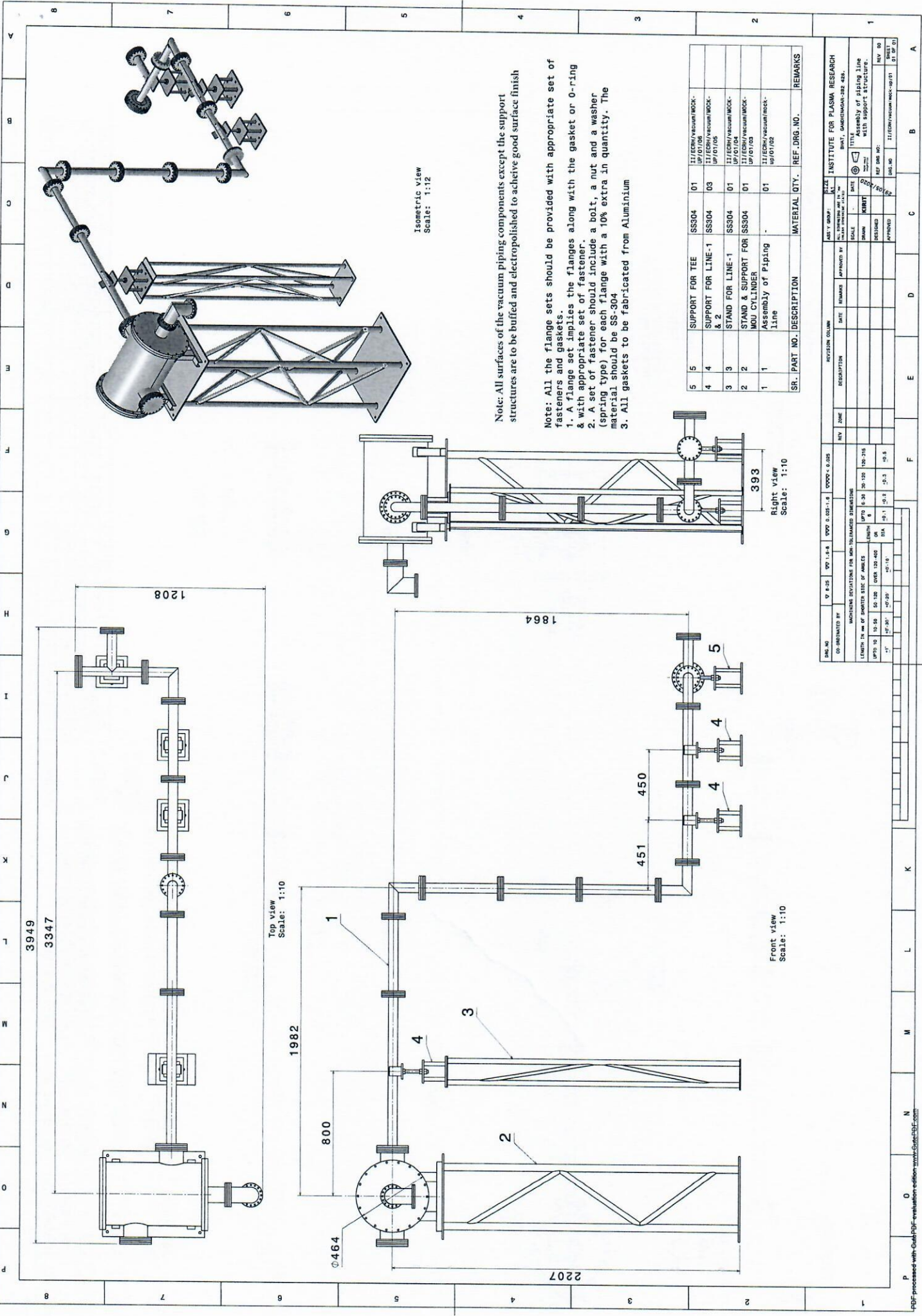
12	1.1.2	Flange-1	II/ECRH/vacuum/MOCKUP/1.1/1.1.2
13	1.1.3	Flange-2	II/ECRH/vacuum/MOCKUP/1.1/1.1.3
14	1.1.4	Flange-3 (Blank)	II/ECRH/vacuum/MOCKUP/1.1/1.1.4
15	1.1.5	150 CF Half Nipple	Standard
16	1.1.6	150 CF Blank	Standard
17	1.1.7	100 CF Bored	Standard
18	1.1.8	Bend Assy.	II/ECRH/vacuum/MOCKUP/1.1/1.1.8
19	1.1.9	O-ring	II/ECRH/vacuum/MOCKUP/1.1/1.1.2 II/ECRH/vacuum/MOCKUP/1.1/1.1.3

6. Bid Submission

Bidder has to study all the drawings thoroughly and in case of any query/question, it should be sought from ITER-India before bid submission

Signed & stamped copies of all the drawings are to be submitted along with the bid, as a confirmation that bidder has gone through the drawings and understood the full scope of work.

Name of Bidder:	
Sign of Bidder:	
Date:	
Seal	



Isometric view
Scale: 1:12

Top view
Scale: 1:10

Front view
Scale: 1:10

Right view
Scale: 1:10

Note: All surfaces of the vacuum piping components except the support structures are to be buffed and electropolished to achieve good surface finish

Note: All the flange sets should be provided with appropriate set of fasteners and gaskets.

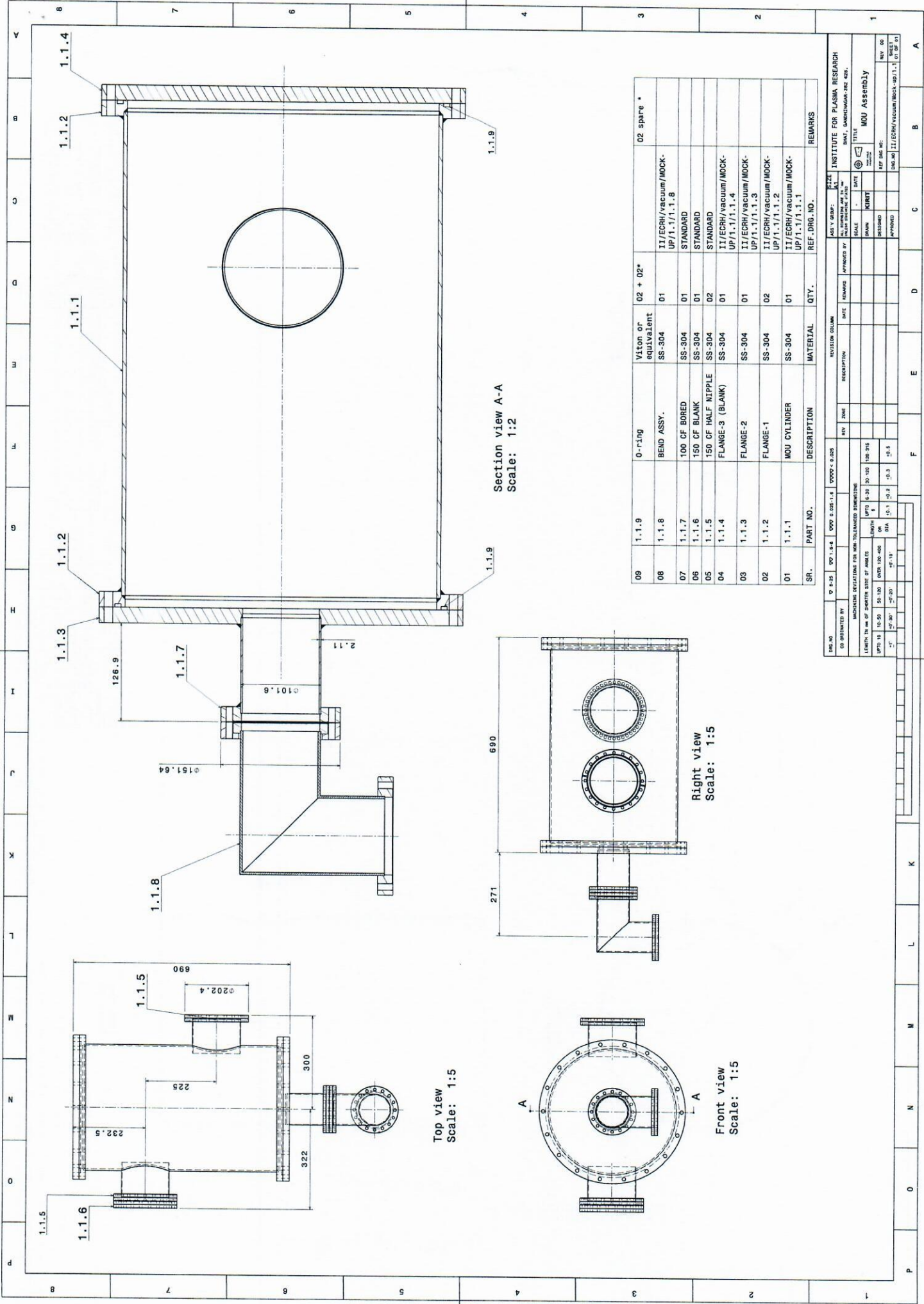
1. A flange set implies the flanges along with the gasket or O-ring & with appropriate set of fastener.
2. A set of fastener should include a bolt, a nut and a washer (spring type) for each flange with a 10% extra in quantity. The material should be SS-304
3. All gaskets to be fabricated from Aluminium

SER.	PART NO.	DESCRIPTION	MATERIAL	QTY.	REF. DRG. NO.	REMARKS
5	5	SUPPORT FOR TEE	SS304	01	11/EGH/vacuum/MOCK-UP/01/04	
4	4	SUPPORT FOR LINE-1 & 2	SS304	03	11/EGH/vacuum/MOCK-UP/01/05	
3	3	STAND FOR LINE-1	SS304	01	11/EGH/vacuum/MOCK-UP/01/04	
2	2	STAND & SUPPORT FOR MOU CYLINDER	SS304	01	11/EGH/vacuum/MOCK-UP/01/03	
1	1	Assembly of Piping line		01	11/EGH/vacuum/MOCK-UP/01/02	

REV. NO.	DATE	BY	CHKD.	DESCRIPTION	REV. NO.	DATE	BY	CHKD.	DESCRIPTION
01	10/01/04	SS304	SS304	ASSEMBLY OF PIPING LINE WITH SUPPORT STRUCTURE	01	10/01/04	SS304	SS304	ASSEMBLY OF PIPING LINE WITH SUPPORT STRUCTURE

REV. NO.	DATE	BY	CHKD.	DESCRIPTION
01	10/01/04	SS304	SS304	ASSEMBLY OF PIPING LINE WITH SUPPORT STRUCTURE

REV. NO.	DATE	BY	CHKD.	DESCRIPTION
01	10/01/04	SS304	SS304	ASSEMBLY OF PIPING LINE WITH SUPPORT STRUCTURE



Top view
Scale: 1:5

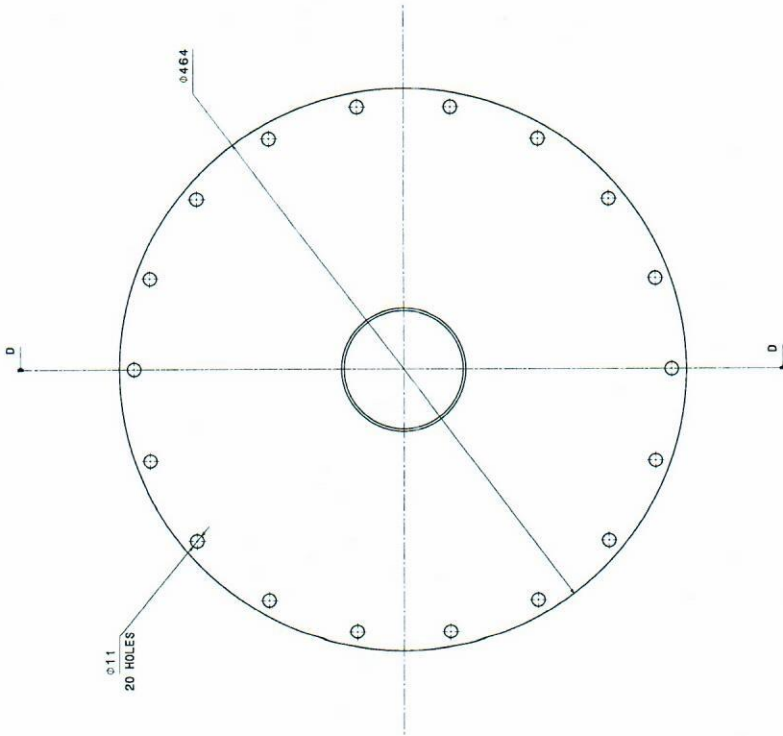
Section view A-A
Scale: 1:2

Right view
Scale: 1:5

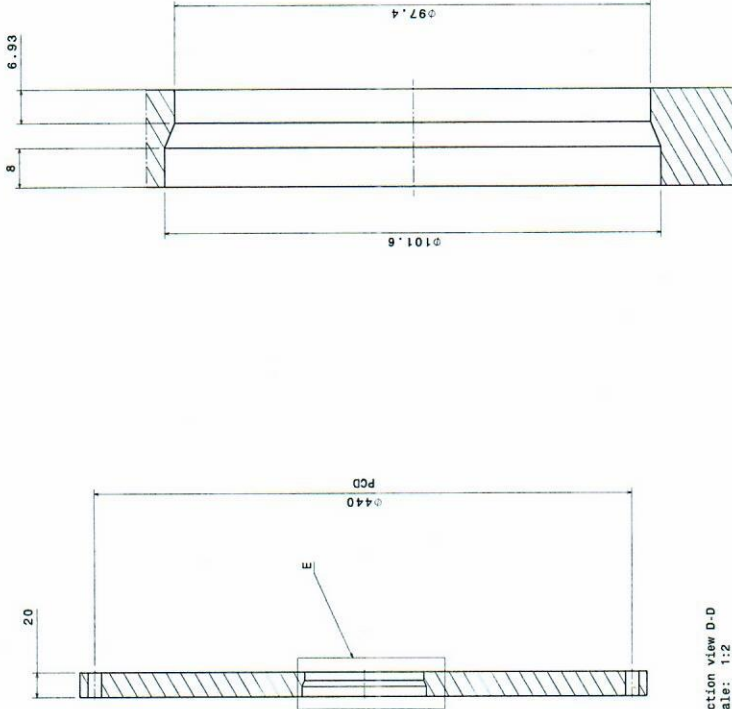
Front view
Scale: 1:5

SR.	PART NO.	DESCRIPTION	MATERIAL	QTY.	REMARKS
09	1.1.9	O-ring	Viton or equivalent	02 + 02*	
08	1.1.8	BEND ASSY.	SS-304	01	IJ/ECRH/vacuum/MOCK-UP/1.1.1.1.8
07	1.1.7	100 CF BORED	SS-304	01	STANDARD
06	1.1.6	150 CF BLANK	SS-304	01	STANDARD
05	1.1.5	150 CF HALF NIPPLE	SS-304	02	STANDARD
04	1.1.4	FLANGE-3 (BLANK)	SS-304	01	IJ/ECRH/vacuum/MOCK-UP/1.1.1.1.4
03	1.1.3	FLANGE-2	SS-304	01	IJ/ECRH/vacuum/MOCK-UP/1.1.1.1.3
02	1.1.2	FLANGE-1	SS-304	02	IJ/ECRH/vacuum/MOCK-UP/1.1.1.1.2
01	1.1.1	MOU CYLINDER	SS-304	01	IJ/ECRH/vacuum/MOCK-UP/1.1.1.1.1

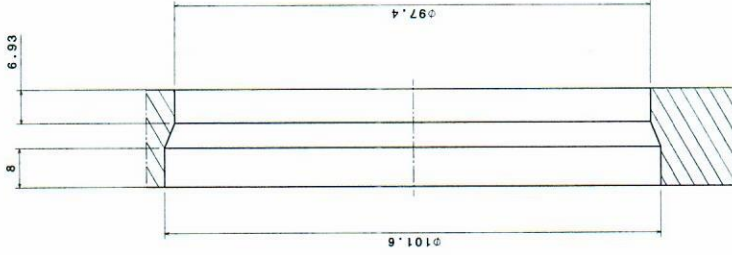
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INSTITUTION: IJ/ECRH/vacuum/MOCK-UP/1.1.1.1 PROJECT: MOU ASSEMBLY DRAWING NO: IJ/ECRH/vacuum/MOCK-UP/1.1.1.1.1							



Front view
Scale: 1:2

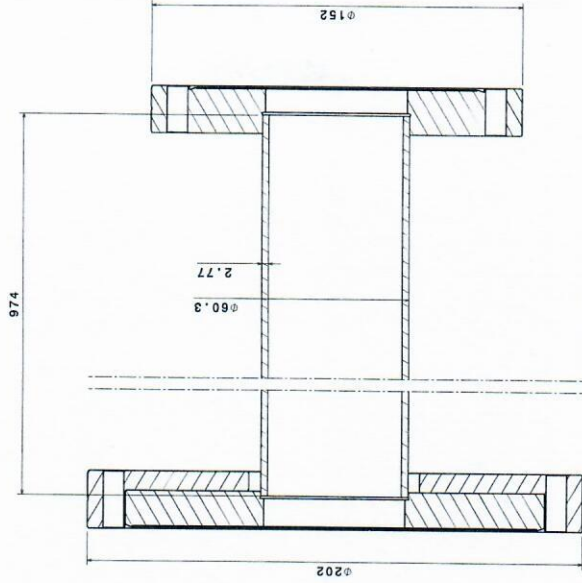
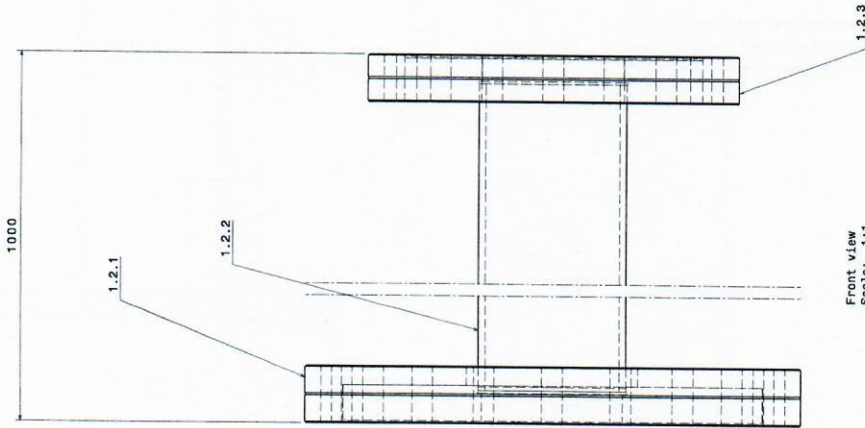


Section view D-D
Scale: 1:2



Detail E
Scale: 2:1

DESIGNED BY		DATE	SCALE	REV	NO	DESCRIPTION	DATE	APPROVED BY	SCALE	DATE	REV	NO	DESCRIPTION	DATE	APPROVED BY
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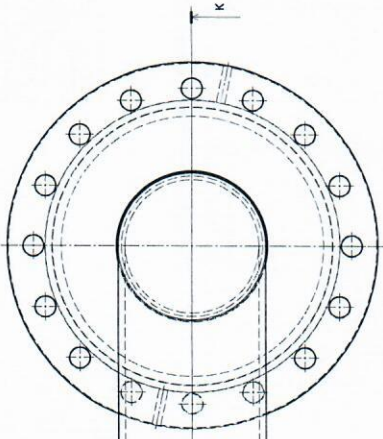


Right view
Scale: 1:1

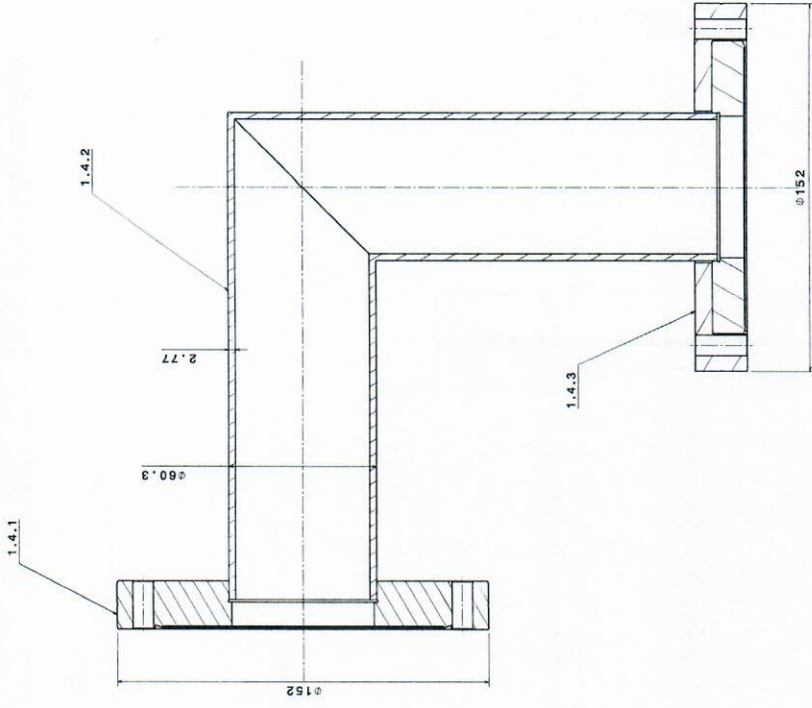
Front view
Scale: 1:1

03	1.2.3	100 CF	SS-304	01	STD.
02	1.2.2	SEAMLESS PIPE	SS-304	01	STD. PIPE
01	1.2.1	150 CF	SS-304	01	STD.
ROTATABLE					
SR. PART NO.		DESCRIPTION	MATERIAL	QTY.	REMARKS

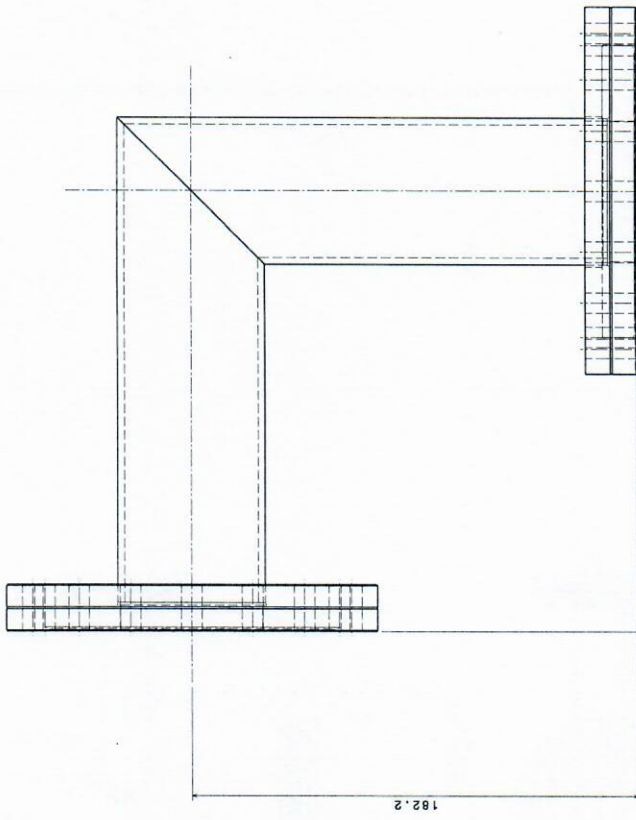
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LENGTH IN MM OF SHORTEST SIZE OF ANGLE	DEPTH	WIDTH	LENGTH	DEPTH	WIDTH	LENGTH
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±0.05	±0.05	±0.10	±0.10	±0.10	±0.10	±0.10
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APPROVED						
DATE						
SCALE						
PROJECT						
LINE-1						
REV. NO.						
REV. BY						
REV. DATE						
REV. DESCRIPTION						



Top view
Scale: 1:1



Section view K-K
Scale: 1:1



Front view
Scale: 1:1

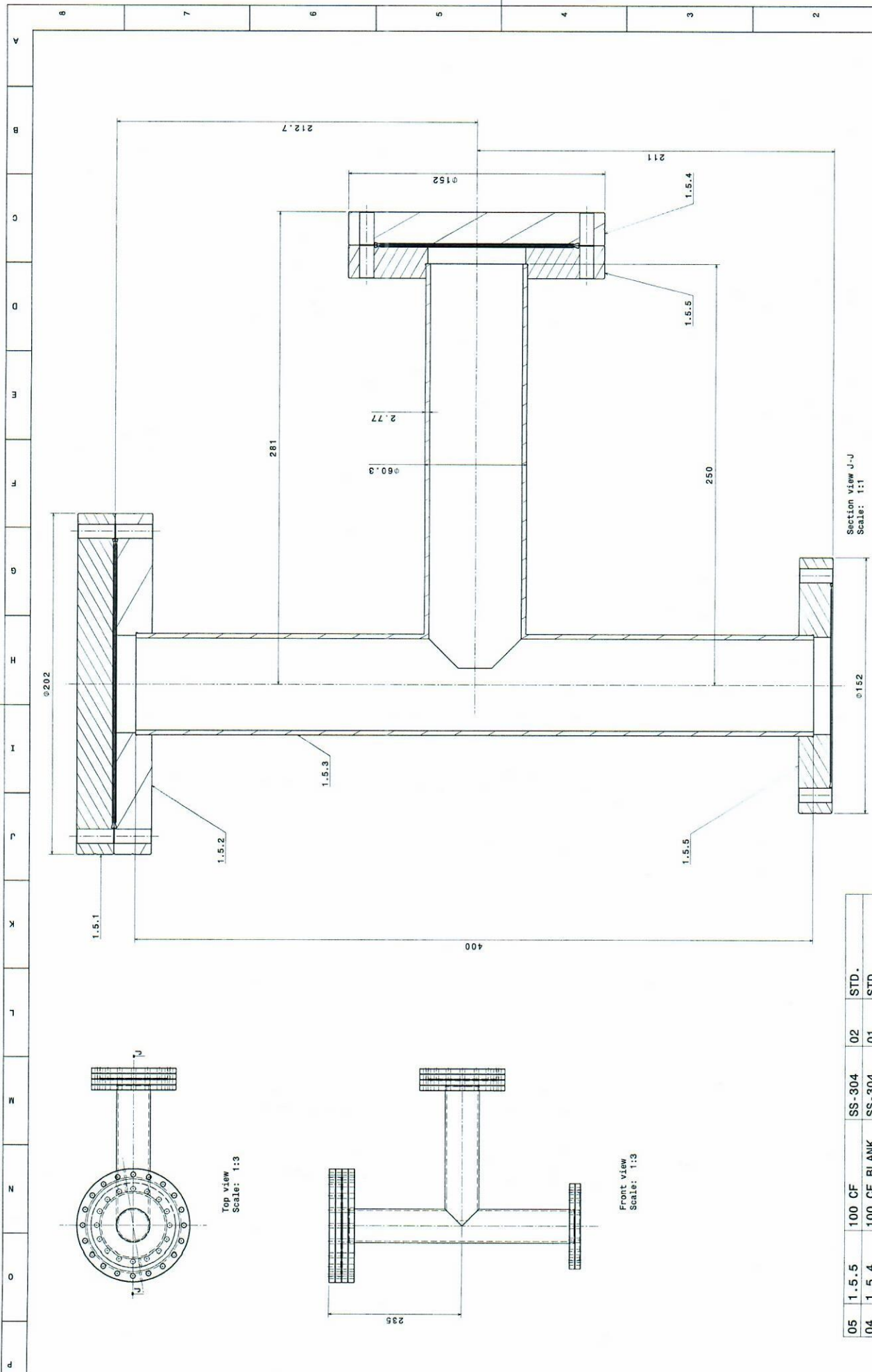
SR. NO.	PART NO.	DESCRIPTION	MATERIAL	QTY.	REMARKS
03	1.4.3	100 CF ROTATABLE	SS-304	01	STD.
02	1.4.2	SEAMLESS PIPE	SS-304	01	STD. PIPE
01	1.4.1	100 CF	SS-304	01	STD.

DATE	BY	CHKD	APP'D	REVISION	DESCRIPTION

REV	DATE	DESCRIPTION
01		

NO.	DATE	BY	CHKD	APP'D	REVISION	DESCRIPTION
01						

INSTITUTE FOR PLASMA RESEARCH
 SRMIST, SAMBHALHA, U.P. 201008
 TITLE: BEND
 SHEET NO: 11/TECHN/VOLUME/NOCK-UP/1-A
 SHEET OF



SR.	PART NO.	DESCRIPTION	MATERIAL	QTY.	REMARKS
05	1.5.5	100 CF	SS-304	02	STD.
04	1.5.4	100 CF BLANK	SS-304	01	STD.
03	1.5.3	PIPE SEAMLESS	SS-304	01	STD. PIPE
02	1.5.2	150 CF	SS-304	01	STD.
01	1.5.1	150 CF BLANK	SS-304	01	STD.

DATE	DESIGNED BY	CHK'D	APP'D	DATE	DESCRIPTION	REV	ZONE	REVISION COLUMN	DATE	REMARKS	APPROVED BY	SCALE	DATE	SCALE	DATE	SCALE	DATE	SCALE

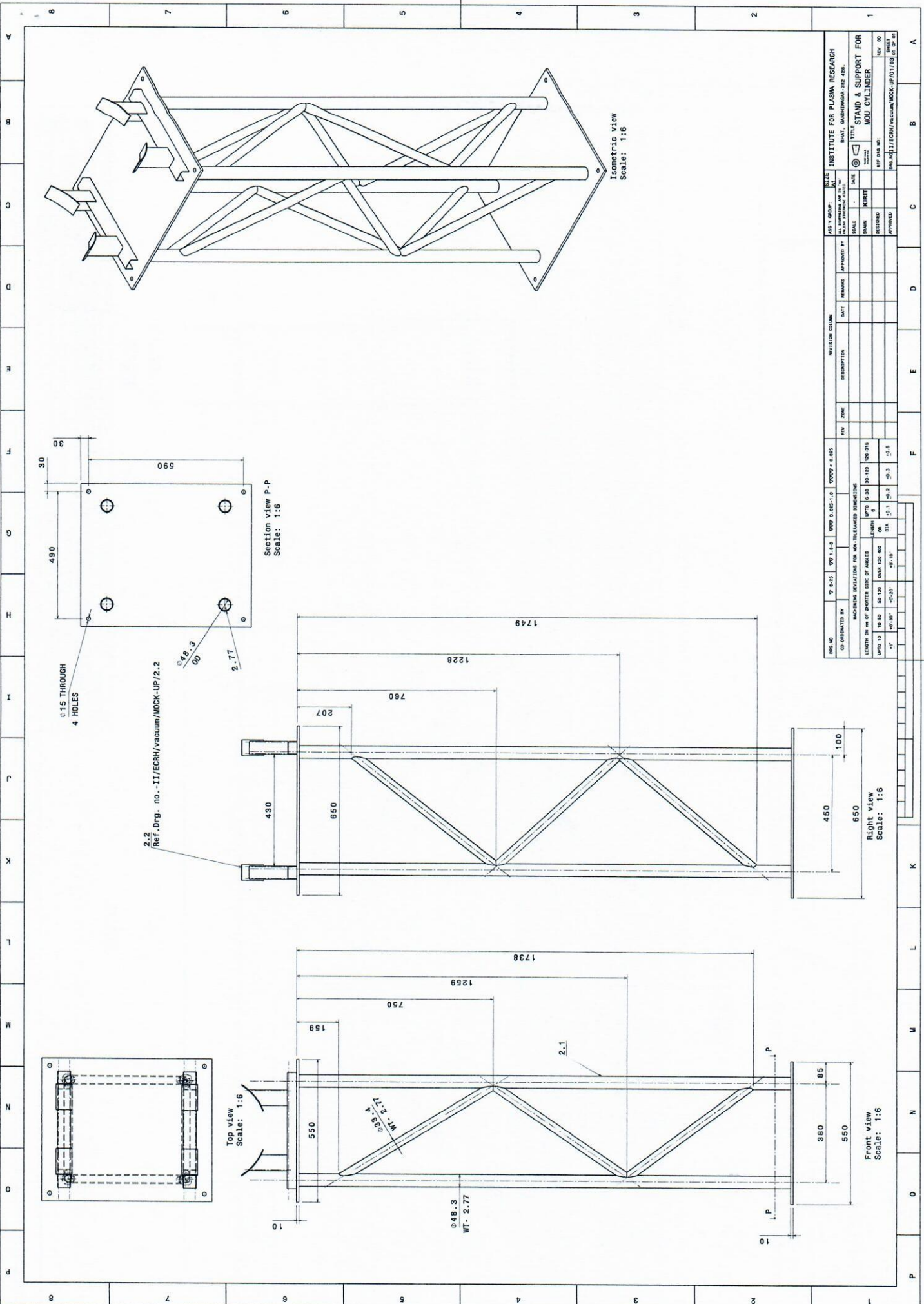
NO.	DATE	BY	DESCRIPTION
1			

NO.	DATE	BY	DESCRIPTION
1			

Section View J-J
Scale: 1:1

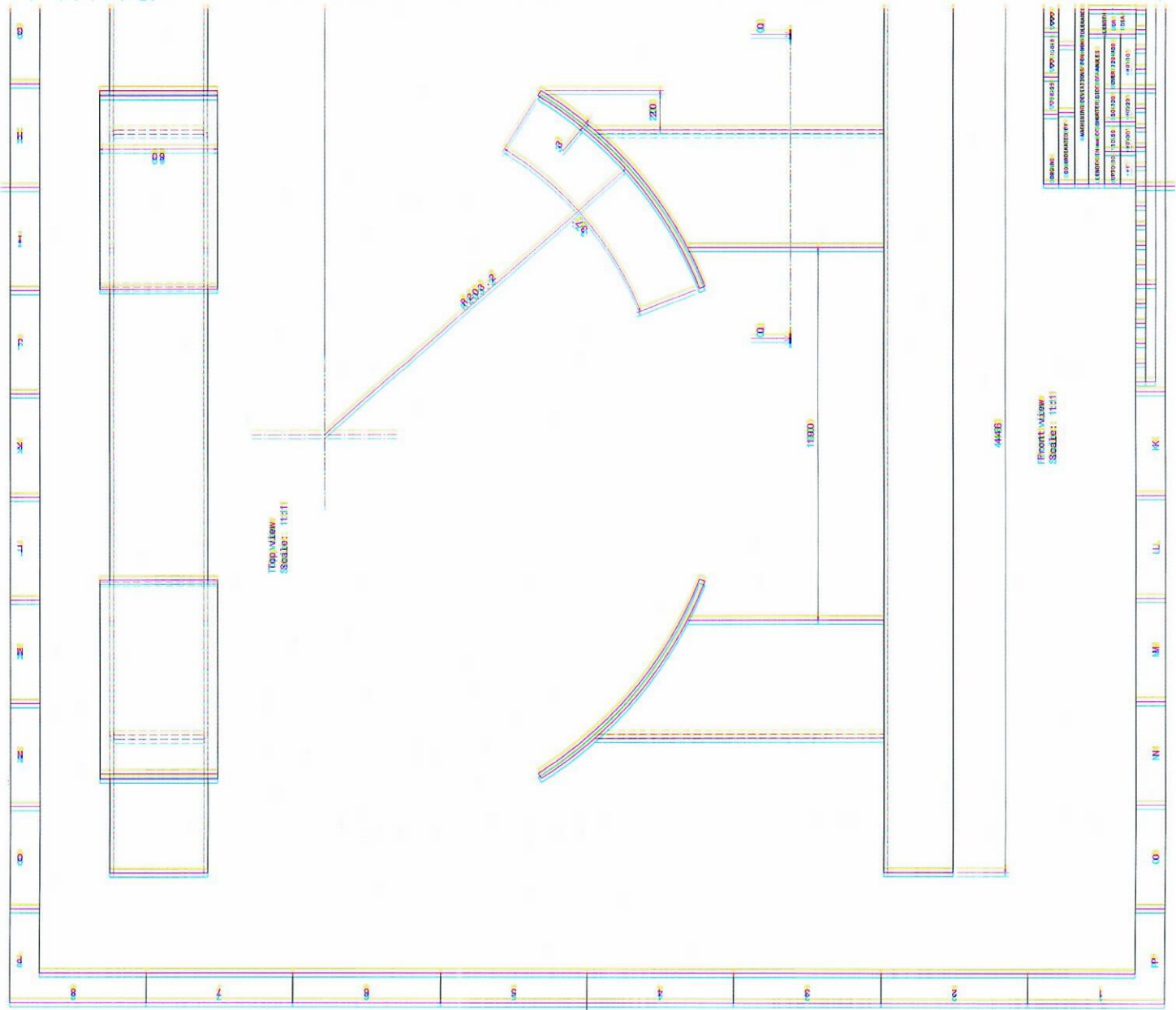
Top view
Scale: 1:3

Front view
Scale: 1:3



DRAWING		REV		DATE		DESCRIPTION		REVISION COLUMN		DATE		REVISION	
00	00	00	00	00	00	00	00	00	00	00	00	00	00
INSTITUTION FOR PLASMA RESEARCH BHAT, GANSHYAM-2EE 428.													
TITLE STAND & SUPPORT FOR ROD CYLINDER													
DRAWN BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name]													
SCALE: 1:6 DATE: [Date]													
REF. DRG. NO.: 2.2 PROJECT NO.: [Number]													

DIM. NO.		DIM. VALUE		DIM. TOLERANCE		DIM. UNIT		DIM. TYPE		DIM. LOCATION		DIM. STATUS	
1	1	1	1	1	1	1	1	1	1	1	1	1	1
DIMENSIONS SPECIFIED FOR NON-TOLERANCED DIMENSIONS													
LENGTH IN mm OF SQUARE SIZE OF ANGLES													
UP TO 100	100 TO 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 TO 400	400 TO 450	450 TO 500	500 TO 550	550 TO 600	600 TO 650	650 TO 700	700 TO 750
±0.1	±0.15	±0.2	±0.25	±0.3	±0.35	±0.4	±0.45	±0.5	±0.55	±0.6	±0.65	±0.7	±0.75



NO.	DESCRIPTION	QTY	UNIT	AMOUNT
1
2
3
4
5
6
7
8
9
10

NO.	DESCRIPTION	QTY	UNIT	AMOUNT
1
2
3
4
5
6
7
8
9
10