

OIL INDIA LIMITED
 (A Government of India Enterprise)
 P.O. Duliajan-786602, Assam, India
 E-mail: material@oilindia.in

INVITATION FOR BID
LOCAL COMPETITIVE BID

OIL INDIA LIMITED invites Local Competitive Bid (LCB) through its e-procurement portal <https://etender.srm.oilindia.in/irj/portal> for the following items:

Tender No	Bid Closing/ Opening Date	Item & Qty
SDI8091P16 DT:06.08.20	01.10.2015	SKID MOUNTED WELL TEST SEPERATOR NOS
SDI8159P16 DT; 12.08.20	01.10.2015	05 NOS EMULSION TREATER

Tender fee (Non-refundable): Rs 1,000.00; Bid Closing/Opening Time: **(11 Hrs.) IST/(14 Hrs.) IST**; Period of sale of documents **till One week prior to bid closing date**. The complete bid documents and details for purchasing bid documents, participation in E-tenders are available on OIL's e-procurement portal <https://etender.srm.oilindia.in/irj/portal> as well as OIL's website www.oil-india.com.

NOTE: All addenda, Corrigenda, time extension etc. to the tenders will be hosted on above website and e-portal only and no separate notification shall be issued in the press. Bidders should regularly visit above website and e-portal to keep themselves updated.



OIL INDIA LIMITED
(A Government of India Enterprises)
PO : Duliajan – 786602
Assam (India)

TELEPHONE NO. (91-374) 2808719

FAX NO: (91-374) 2800533

Email: ranjanbarman@oilindia.in ; erp_mm@oilindia.in

FORWARDING LETTER

Tender No.	: SDI8159P16 DT;12.08.2015
Tender Fee	: Rs 1,000.00
Bid Security Amount	: Rs 2,61,500.00
Bidding Type	: SINGLE STAGE TWO BID SYSTEM
Bid Closing on	: As mentioned in the e-portal
Bid Opening on	: -do-
Performance Security	: Applicable
Integrity Pact	: Applicable

OIL invites Bids for **Procurement of Emulsion Treater** through its e-Procurement site under **SINGLE STAGE TWO BID SYSTEM**. The bidding documents and other terms and conditions are available at Booklet No. MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders. The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area -> Tender Documents

The general details of tender can be viewed by opening the RFx [Tender] under RFx and Auctions.. The details of items tendered can be **found in the Item Data and details uploaded under Technical RFx**.

The tender will be governed by:

- “General Terms & Conditions” for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders.
- Technical specifications and Quantity as per **Annexure – 1A**.
- The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area -> Tender Documents.
- In the event of receipt of only a single offer against the tender within B.C. date, OIL reserves the right to extend the B.C. date as deemed fit by the Company. During the extended period, the bidders who have already submitted the bids on or before the original B.C. date, shall not be permitted to revise their quotation.
- All corrigenda, addenda, amendments, time extension, clarifications etc. To the tender will be hoisted on OIL’s website (www.oil-india.com) and in the e-portal (<https://etenders.srm.oilindia.in/irj/portal>) only and no separate notification shall be issued

in the press. Prospective bidders are requested to regularly visit the website and e-portal to keep themselves updated.

- f) Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this or any other contract may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited).
- g) Bidder are advised to fill up the Technical bid check list (**Annexure EEE**) and Response sheet (**Annexure FFF**) given in MS excel format in Technical RFX -> External Area - > Tender Documents. The above filled up document to be uploaded in the **Technical RFX Response**.

Special Note:

1.0 General Qualification Criteria:

In addition to the general BRC/BEC, following criteria on Bidders' Experience and their financial capabilities shall be considered (**documentary evidence to be provided along with the bid in Technical RFX -> External Area - > Tender Documents**) as on the Bid Closing Date:

Criteria	Complied / Not Complied. Documentary evidence submitted / not submitted
a) Annual financial turnover of the firm in any of the last 3 financial years or current financial year should not be less than Rs 261.37 Lakhs.	

For Annual financial turnover enclose the audited Annual Reports or balance sheet certified by a chartered accountant.

2.0 Application showing full address/email address with Tender Fee (Non-refundable) of Rs. 1,000.00 in favour of M/s Oil India Limited and payable at Duliajan is to be sent to Head-Materials, Oil India Limited, P.O. Duliajan, Assam-786602. Application shall be accepted only upto one week prior to the bid closing date (or as amended in e-portal). The envelope containing the application for participation should clearly indicate “REQUEST FOR ISSUE OF USER ID AND PASSWORD FOR E TENDER NO ...” for easy identification and timely issue of user ID and password. On receipt of requisite tender fee, USER_ID and initial PASSWORD will be communicated to the bidder (through e-mail) and will be allowed to participate in the tender through OIL’s e- Procurement portal. No physical tender documents will be provided. Details of NIT can be viewed using “Guest Login” provided in the e-Procurement portal. The link to e-Procurement portal has been also provided through OIL’s web site www.oil-india.com.

NOTE:

- a) Tender Fee may also be paid online upto one week prior to the bid closing date (or as amended in e-portal).**

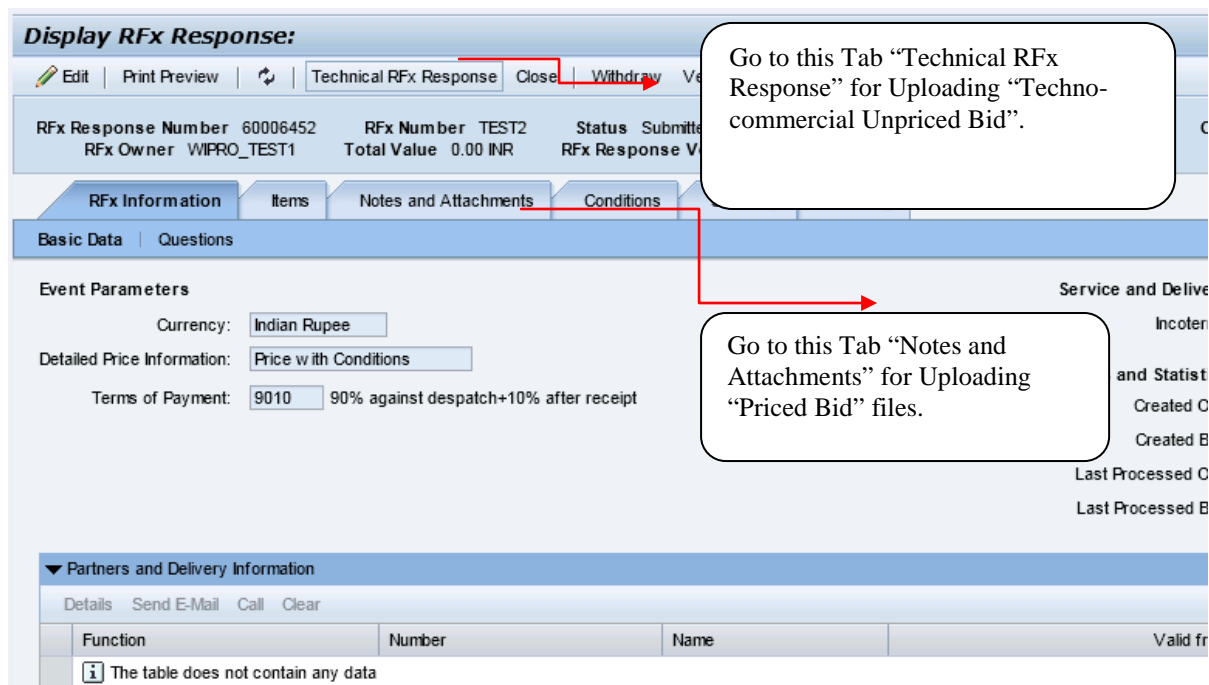
b) PSUs and SSI units are provided tender documents Free of Cost (as per govt guidelines), however they have to apply to OIL's designated office to issue the tender documents before the last date of sale of tender document mentioned in the tender.

3.0 The tender is invited under SINGLE STAGE-TWO BID SYSTEM. The bidders are required to submit both the “TECHNO-COMMERCIAL UNPRICED BID” and “PRICED BID” through electronic format in the OIL’s e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender.

3.1 Please ensure that Technical Bid / all technical related documents related to the tender are uploaded in the Technical RFX Response-> User - > Technical Bid only. The “**TECHNO-COMMERCIAL UNPRICED BID**” shall contain all techno-commercial details except the prices. **Please note that no price details should be uploaded in** Technical RFX Response.

3.2 The “**PRICE BID**” must contain the price schedule and the bidder’s commercial terms and conditions. **The prices of the items should be quoted in “Conditions Tab”. Details of prices as per Bid format / Commercial bid can be uploaded as Attachment under the attachment option under “Notes & Attachments”.**

3.3 A screen shot in this regard is given below. Offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in [Annexure-CCC](#).



On “EDIT” Mode- The following screen will appear. Bidders are advised to Upload “Techno-Commercial Unpriced Bid” and “Priced Bid” in the places as indicated above:

Bid on “EDIT” Mode

Edit RFX Response:

Submit | Read Only | Print Preview | Check Technical RFX Response | Close | Save | Verify signature of Response | Sign Response

RFX Response Number 60006452 RFX Number TEST2 Status Withdrawn Submission Deadline 13.04.2013 11:00:00 INDIA
RFX Owner WIPRO_TEST1 Total Value 0.00 INR RFX Response Version Number 2 RFX Version Number 5

RFX Information | Items | **Notes and Attachments** | Conditions | Summary

Area for uploading Techno-Commercial Unpriced Bid*

▼ Notes

Add | Clear

Assigned To	Category	Text Preview

▼ Attachments

Sign Attachment | Add Attachment | Edit Description | Versioning | Delete | Create Qualification Prof

Assigned To	Category	Description	File Name	Version	Processor	Checked
The table does not contain any data						

Area for uploading Priced Bid**

Note :

* The “Techno-Commercial Unpriced Bid” shall contain all techno-commercial details **except the prices.**

** The “Price bid” must contain the price schedule and the bidder’s commercial terms and conditions. For uploading Price Bid, first click on Sign Attachment, a browser window will open, select the file from the PC and click on Sign to sign the Sign. On Signing a new file with extension .SSIG will be created. Close that window. Next click on Add Attachment, a browser window will open, select the .SSIG signed file from the PC and name the file under Description, Assigned to General Data and clock on OK to save the File.

4.0 Please note that all tender forms and supporting documents are to be submitted through OIL’s e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with **Tender no.** and **Due date** to **Head Materials, Materials Department, Oil India Limited, Duliajan - 786602, Assam** on or before the Bid Closing Date and Time mentioned in the Tender.

- a) **Original Bid Security**
- b) **Detailed Catalogue (if any)**
- c) **Any other document required to be submitted in original as per tender requirement**

All documents submitted in physical form should be signed on all pages by the authorised signatory of the bidder and to be submitted in triplicate.

5.0 Benefits to Micro & Small Enterprises (MSEs) as per prevailing Govt guidelines as applicable on B.C date shall be given. MSEs who are interested in availing the benefits will upload with their offer proof of their being MSE registered for the item tendered. The MSE are also required to upload scanned copies of relevant documents indicating details of registration alongwith validity, name of the registering organization and details of the item, ownership etc., failing which, their offer may not be liable for consideration of benefits to MSEs.

6.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the NIT or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in rejection of its offer without seeking any clarifications.

- 7.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that above documents which are to be submitted in a sealed envelope are also submitted at the above mentioned address before the bid closing date and time failing which the offer shall be rejected.
- 8.0 Bid must be submitted electronically only through OIL's e-procurement portal. Bid submitted in any other form will be rejected.
- 9.0 **SINGLE STAGE TWO BID SYSTEM** shall be followed for this tender and only the PRICED-BIDS of the bidders whose offers are commercially and technically acceptable shall be opened for further evaluation.
- 10.0 a) **The Integrity Pact is applicable against this tender. Therefore, please submit the Integrity Pact document duly signed along with your quotation as per BRC. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide Annexure DDD of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be submitted by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit Integrity Pact with the offer, their bid shall be rejected straightway".**
- b) **The name of the OIL's Independent External Monitors at present are as under:**
- SHRI RAGHAW SHARAN PANDEY, IAS (Retd.),**
Former Secretary, MOP & NG,
e-Mail ID : rspandey_99@yahoo.com
- SHRI RAJIV MATHUR, IPS (Retd.)**
Former Director, IB, Govt. of India,
e-Mail ID : rajivmathur23@gmail.com
- 11.0 The tender shall be governed by the Bid Rejection & Bid Evaluation Criteria given in enclosed **Annexure-CCC**. However, if any of the **Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (as per Annexure-CCC)** contradict the **Clauses of the tender and / or "General Terms & Conditions"** as per Booklet No. MM/LOCAL/E-01/2005 for E-procurement (LCB Tenders) elsewhere, those in the **BEC / BRC** shall prevail.
- 12.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.
- 13.0 Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.

NOTE:

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.

Yours Faithfully

Sd-
(R BARMAN)
SR MANAGER MATERIALS (IP)
FOR : HEAD-MATERIALS

Tender No & Date: SDI8159P16 DT;12.08.2015

BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)

The following BRC/BEC will govern the evaluation of the bids received against this tender. Bids that do not comply with stipulated BRC/BEC in full will be treated as non responsive and such bids shall prima-facie be rejected. Bid evaluation will be done only for those bids that pass through the “Bid Rejection Criteria” as stipulated in this document.

Other terms and conditions of the enquiry shall be as per General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BRC / BEC) contradict the Clauses of the tender or MM/LOCAL/E-01/2005 elsewhere, those in the BRC / BEC shall prevail.

<u>Criteria</u>	Complied / Not Complied. (Remarks if any)
<p>1.0 BID REJECTION CRITERIA (BRC):</p> <p>The bid shall conform generally to the terms and conditions given in this document. Notwithstanding the general conformity of the bids to the stipulated specifications, the following requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and rejected.</p> <p>A) TECHNICAL:</p> <p>1. BIDDER'S QUALIFICATION:</p> <p>The bidder shall be an original equipment manufacturer (OEM) of emulsion treater.</p> <p>2. BIDDER'S EXPERIENCE:</p> <p>The bidder shall have credentials of successful execution of supplying at least two (02) numbers of Emulsion Treater / Pressure vessel / Heater Treater unit / Gas Oil separator / Indirect Heater within last three (03) years from Bid Closing Date of this tender.</p> <p>In support of supply experience, the bidder shall submit the following documents</p> <p>-</p> <p>(a) Copy of Purchase Order/ Contract document, and</p> <p>(b) Any of the following documents that confirms the successful execution of the order-</p> <p>- Performance report from the clients,</p> <p>- Bill of lading,</p> <p>- Consignee received delivery challan / invoice etc.</p> <p>- Any other documentary evidence that can substantiate the successful execution of each of the Purchase Orders cited.</p>	

B) COMMERCIAL:

i). Validity of the bid shall be minimum 120 days from the Bid Closing Date.

ii). Bid security:

The bid must be accompanied by Bid Security of **Rs 2,61,500.00** in OIL's prescribed format as Bank Guarantee or a Bank Draft/Cashier cheque in favour of OIL. The Bid Security may be submitted manually in sealed envelope superscribed with Tender no. and Bid Closing date to Head Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before the Bid Closing Date and Time mentioned in the Tender. **The Bank Guarantee towards Bid Security shall be valid for 10 months from Bid closing date. (i.e. upto 01.08.2016).**

Bid Security may also be paid online on or before the Bid Closing Date and Time mentioned in the Tender.

If bid security in ORIGINAL of above mentioned Amount and Validity is not received or paid online within bid closing date and time, the bid submitted through electronic form will be rejected without any further consideration.

For exemption for submission of Bid Security, please refer Clause No. 8.8 of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders.

The format of Bank Guarantee towards Bid Security (Annexure – VII) has been amended to Annexure – VII (Revised) and bidders should submit Bank Guarantee towards Bid Security as per Annexure – VII (Revised) only.

In case of extension of Bid Closing date against the tender where a bidder has already submitted his bid with requisite bid security validity within the original B.C. Date, such bidders will extend validity of bid security covering the extended period of the bid closing date.

iii). Bids are invited under “Single Stage Two Bid System”. Bidders have to submit both the “Techno-commercial Unpriced Bids” and “Priced Bids” through electronic form in the OIL’s e-Tender portal within the bid Closing date and time stipulated in the e-tender. The Techno-commercial Unpriced bid is to be submitted as per scope of works and Technical specification of the tender and the priced bid as per the online Commercial bid format. For details of submission procedure, please refer relevant para of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders. Any offer not complying with the above shall be rejected straightway.

v). Performance Security:

Successful bidder will be required to furnish a Performance Security @10% of the order value. For exemption for submission of Performance Security, please refer Clause No. 9.12 of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders. **The Performance Security must be valid for 12 months from the date of commissioning or 18 months from the date of despatch whichever concludes earlier. Bidder must confirm the same in their bid. Offers not complying with this clause will be rejected.**

The validity requirement of Performance Security is assuming despatch within stipulated delivery period and confirmation to all terms and conditions of order. In case of any delay in despatch or non-confirmation to all terms and conditions of order, validity of the Performance Security is to be extended suitably as advised by OIL.

For exemption for submission of Performance Security, please refer Clause No. 9.12 of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders.

- iv). *The Bank Guarantee should be allowed to be encashed at all branches within India.*
- v). The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.
- vi). Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.
- vii). All the Bids must be Digitally Signed using “Class 3” digital certificate with Organisation’s name (*e-commerce application*) as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than “Class 3 with Organisation’s Name” digital certificate, will be rejected.
- viii). Technical RFx Response folder is meant for Technical bid only. Therefore, No price should be given in Technical RFx Response folder, otherwise the offer will be rejected.
- ix). Price should be maintained in the “online price schedule” only. The price submitted other than the “online price schedule” shall not be considered.
- xi). Integrity Pact :

OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide Annexure DDD of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL’s competent signatory. The proforma has to be submitted by the bidder (along with the technical bid)

duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit Integrity Pact with the offer, their bid shall be rejected straightway”.

xii). A bid shall be rejected straightway if it does not conform to any one of the following clauses:

- (a) Validity of bid shorter than the validity indicated in the Tender.
- (b) Original Bid Security not received within the stipulated date & time mentioned in the Tender.
- (c) Bid Security with (i) Validity shorter than the validity indicated in Tender and/or (ii) Bid Security amount lesser than the amount indicated in the Tender.
- (d) In case the Party refuses to sign Integrity Pact.
- (e) Average Annual Turnover of a bidder lower than the average Annual turnover mentioned in the Tender.

2.0 BID EVALUATION CRITERIA (BEC)

The bids conforming to the terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria as well as verification of original of any or all documents/ documentary evidences pertaining to BRC, will be considered for further evaluation as per the Bid Evaluation Criteria given below.

A) TECHNICAL:

- 1. The manufactured product should be strictly as per OIL's tender specification.

B) COMMERCIAL:

i). To evaluate the inter-se-ranking of the offers, Assam Entry Tax on purchase value will be loaded as per prevailing Govt. of Assam guidelines as applicable on bid closing date. Bidders may check this with the appropriate authority while submitting their offer.

ii) Priced bids of only those bidders will be opened whose offers are found technically acceptable. The technically acceptable bidders will be informed before opening of the "priced bid".

iii). To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.

NOTE:

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.

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TECHNICAL SPECIFICATIONS WITH QUANTITY

Tender No & Date: SDI8159P16 DT:12.08.2015

	Complied / Not Complied. (Remarks if any)
<p><u>ITEM NO. 10</u></p> <p><u>PROCUREMENT OF HORIZONTAL OIL WATER EMULSION TREATER (Conventional) WITH FLAME ARRESTED BURNER- QTY=7 NOS</u></p> <p>HORIZONTAL OIL WATER EMULSION TREATER with FLAME ARRESTED BURNER complete with all internals and accessories as per OIL DRAWINGS and specifications given below:</p> <p>OIL/1581/A OIL/1582 OIL/1583/B OIL/1584 OIL/1585 OIL/1586 OIL/1587/A OIL/1645 & OIL/PDNO/P&D/015/A-01/01 (for Flame Arrestor)</p> <p>A. SPECIFICATIONS FOR ET- VESSEL</p> <p>1. Body style: Horizontal, cylindrical, welded, ellipsoidal dished head. Dished end shall be spun in a dished head spinning machine only. There shall be no welding in the dished ends.</p> <p>2. Material of construction: All pressure plates to IS: 2002 Gr. 2A steel or SA-516 gr60/70, Non pressure plates to IS: 2062 quality steel .Seamless pipe conforming to SA 106 GR B must be used for fire tube and chimney.</p> <p>3. Connections: As per OIL drawings enclosed.</p> <p>4. Service requirement and Design Data :</p> <p>Oil handling capacity : 5000 BPD fluid (900klpd) Design pressure : 3.5 kg/cm² Test pressure : 5.25 kg/cm² Working temperature : 60 deg C to 71 deg C Oil gravity : 23-35 deg API Design code : ASME Sec. VIII Div. 1. Radiography : Spot (10% minimum)</p> <p>5. Heat Treatment: Post weld heat treatment (Stress Relieving) of the whole vessel should be carried out in an automatic temperature controlled furnace only.</p>	

6. Finishing:

- i) Vessel should be cleaned by sand blasting followed by one coat of uniform red oxide primer and one coat of Aluminum enamel painting on outside only.
- ii) The vessel should be painted internally with heat resistant anti corrosive painting. The heat resistant paint should be able to withstand heat up to maximum working temperature up to 71 Deg. C.

7. Test Certificate:

The manufacturer will have to provide certificate in respect of:

- i) Raw materials used showing material compositions along with physical and chemical properties.
- ii) Hydro test at operating pressure for 24 hours and at hydraulic test pressure for ½ hrs continuous record by pressure recorder.
- iii) X ray / gamma ray plate showing quality of weld joints.
- iv) Heat treatment chart of PWHT.

B. SPECIFICATIONS FOR INSTRUMENTATION ITEMS

1) FLEX TUBE TYPE INTERFACE LIQUID LEVEL CONTROLLER

Quantity : 2 no.

Service : Interface level control between Crude Oil and Water in the Emulsion Treater

Operative Mode: Pneumatic Throttling, Direct

Process connection: 101.6mm (4") ANSI 150 class RF Flange

Max. Working Pressure: 14.06 Kg/Sq.cm, (200 psi)

Working Temperature: 180 Degree F

Enclosure : Weather Proof, IP54 or better.

Supply Pressure : 20 PSI

Supply Connection: 1/4"NPT (F)

Output Connection: 1/4"NPT (F)

Displacer : Horizontal, approx. 3-1/2"X14" (355.6mm) long float type suitable for Oil-Water Interface.

Flex-Tube Material: SS 316

Make : Fisher-Rosemount /Procon Controls/Norriseal/MASONEILAN

ACCESSORIES:

- a) Supply pressure gauge (0-30 Psi): 2 no.
- b) Output pressure gauge (0-30 Psi): 2 no.
- c) Air filter regulator (Input: 100 PSI, Output: adjustable): 2 no.

2) FLEX TUBE TYPE LIQUID LEVEL CONTROLLER

Quantity : 1 no.

Service : Crude Oil Level Control in the Emulsion Treater

Operative Mode: Pneumatic Throttling, Direct

Process Connection: 101.6mm (4") Gruva-grip type coupling with gaskets, bolts & nuts

Max. Working Pressure: 14.06 Kg/Sq. cm (200 psi)

Working Temperature: 180 Degree F

Enclosure : Die Cast Alluminium ,Weather proof, IP54 or better.

Supply Pressure : 20 psi

Supply Connection: 1/4" NPT (F)

Output Connection: 1/4"NPT (F)

Displacer : Approx.3-1/2"x 6" (90x150mm) SS Float

Flex- tube Material : SS 316

Make : Fisher-Rosemount /Procon Controls/Norriseal/MASONEILAN

Accessories:

a) Supply pressure gauge (0-30 Psi): 1 no.

b) Output pressure gauge (0-30 Psi): 1 no.

c) Air filter regulator (Input: 100 PSI, Output: adjustable): 1 no.

3) FLOAT TYPE LIQUID LEVEL CONTROLLER WITH MICROSWITCH

Quantity : 1 no.

Service : To cut off pneumatic supply to output on detection of low crude oil level in the Emulsion Treater

Operative Mode: Snap Action

Process Connection: 101.6 mm (4") Gruva-grip type coupling with gaskets, bolts & nuts

Max-Working Pressure: 21.09 Kg/Sq.cm (300 psi)

Working Temperature: 180 Degree F

Enclosure : Die Cast Alluminium ,Weather Proof,IP54 or better.

Supply pressure : 20 PSI

Supply connection: 1/4"NPT (F)

Output connection: 1/4"NPT (F)

Float : Approx.3-1/2"diameter x 6" (90x150mm) SS Float

Float material : SS 316

Rod length : 14" Standard

Rod Material : Stainless Steel

Micro Valve : Three ports 1/4" NPT (F)

Micro Valve Body Material : Anodized Aluminium or Brass

Body material : Ductile Iron

Make : Fisher-Rosemount /Procon Controls/Norriseal

Accessories:

a) Supply pressure gauge (0-30 Psi): 1 no.

b) Output pressure gauge (0-30 Psi): 1 no.

c) Air filter regulator (Input: 100 PSI, Output: adjustable): 1 no.

4) PNEUMATIC TEMPERATURE CONTROLLER WITH THERMOWELL

Quantity : 1 no.

Service : Crude Oil and Water Emulsion Temperature control in the Emulsion Treater

Type : Thermal Expansion

Range : 0 Deg. C to 150 Deg. C (32 Deg. F to 302 Deg. F)

Accuracy : +/- 2 Degree C

Action : ON-OFF type (Reverse action)

Connection : 1/2" NPT (M)

Insertion : 300mm (12") Maximum

Maximum Working Pressure: 14.06 Kg/Sq.cm (200 Psi)

Enclosure : Die Cast Alluminium, Weatherproof,IP54 or better.

Supply Pressure : 20 psig

Supply Connection : 1/4" NPT (F)

Output Connection : 1/4" NPT (F)

Make : Fisher-Rosemount/Procon Controls/Yokagawa/ABB/OMC

Accessories:

- a) Thermowell: 1/2" NPT (F) x 1" NPT (M) : 1 no.
- b) Supply Pressure Gauge (0-30 Psi): 1 no.
- c) Output Pressure Gauge (0-30 Psi): 1 no.
- d) Air filter regulator (Input: 100 PSI, Output: adjustable): 1 no.

5) PRESSURE CONTROLLER (0-10 Kg/Sq.cm)

Quantity : 1 no.

Type : Pneumatic, Indicating with Proportional & Reset Action

Process Fluid : Natural Gas

Sensing Element : 316 SS

Output:

Action : Direct/Reverse Action (Field Changeable)

On-Off : 125% output per % input

Proportional : 0.2 to 35% output per % input

Reset : 0.05 to 200 repeats per minute

Differential Gap : 1 to 100%

Supply Pressure : 20 psi

Connection : Bottom connected, 1/4" inch NPT

Air Consumption : 0.2 scfm maximum

Output pressure : 3 to 15 psi

Case & Door : Glass Epoxy Reinforced Plastic

Window : Glass / Acrylic

Mounting : Vertical pipe mount

Scale size : 160 mm

Pointer : SP & PV on the same linear scale

Repeatability : Minimum 0.3 %

Housing : Die Cast Aluminium, Weatherproof, IP54 or better.

Control : Internal Auto/Manual

Make : Fisher-Rosemount/Procon Controls/Yokagawa/ABB/OMC

Accessories:

Door lock

Mounting Bracket with clamp & nuts for 2" pipe

Air filter regulator (Input: 100 PSI, Output: adjustable): 1 no.

2", 1/4" 0 to 30 psi Supply Gauge: 1 no.

2", 1/4" 0 to 30 psi Output Gauge: 1 no.

6) PNEUMATIC TEMPERATURE CONTROLLER WITH THERMOWELL

Quantity : 1 no.

Type : Pneumatic, Indicating with Proportional & Reset Action

Process Fluid : Natural Gas

Sensing Element : Filled system

Range : 0 to 100 Deg C (32 to 212 Deg F)

Accuracy : +/- 1.0% of full scale

Bulb Material : 316 SS

Bulb Immersion Length: 12 inch (300 mm)

Capillary Length : 15 feet (4.5 m)

Thermowell Material : 316 SS

Thermowell Connection: 1/2 INCH FNPT x 1 INCH NPT (M)

Output Action : Direct/Reverse selectable
 On-Off : 125% output per % input
 Proportional : 0.2 to 35% output per % input
 Reset : 0.05 to 200 repeats per minute
 Differential Gap : 1 to 100%
 Supply : 20 psi
 Connection : Bottom connected, 1/4 inch.NPT
 Air Consumption : 0.2 scfm maximum
 Output Pressure : 3 to 15 psi
 Case & Door : Glass Epoxy Reinforced Plastic
 Window : Glass/Acrylic
 Mounting : Vertical pipe mount
 Scale size : 160 mm
 Pointer : SP and PV on the same linear scale
 Repeatability : Minimum 0.3%
 Housing : Die Cast Alluminium, Weatherproof, IP54 or better.
 Control : Internal Auto/Manual
 Temperature Elements: Precision wound type spiral
 Make : Fisher-Rosemount/Procon Controls/Yokagawa/ABB/OMC
 Accessories:
 Door Lock
 Mounting bracket with clamp & nuts for 2 inch pipe
 Air filter regulator (Input: 100 PSI, Output: adjustable): 1 no.
 2", 1/4" 0 to 30 psi Supply Gauge: 1 no.
 2", 1/4" 0 to 30 psi Output Gauge: 1 no.

7) TEMPERATURE GAUGE WITH THERMOWELL:

Quantity : 2 nos.
 Temperature Range : 0 - 100°C
 Thermowell Connection : 1" NPT
 Insertion Length : 150 mm (6")
 Type : Bimetallic/Mercury filled
 Sensing Element Connection: 1/2 INCH NPT
 Material of construction: All SS
 Accuracy : ± 0.5°C
 Make : Wika/Odin/Waaree

8) PRESSURE GAUGES WITH ISOLATION VALVES (2 NO.):

Dial size : 150 mm (6") Minimum
 Range : 0 - 10 kg/cm²
 Pressure Element : 55 Bourdon Tube
 Material of Construction: All SS
 Accuracy : ± 1% of reading
 End Connection : 1/2 INCH NPT
 Isolation Valves : Required, 1/2 INCH NPT (F), SS Ball valve
 Make : Wika/Odin/Waaree

9) LOW OIL LEVEL ALARM SWITCH:

A change of liquid level correspondingly travels the float to extreme level UP and DOWN.
 This movement of float in turn causes a magnet to move into the proximity of Micro Switch,

resulting in switch actuation.

Medium: liquid, crude oil.

Switch Housing Aluminum Alloy

Service : Level alarm in BMS

Operative Mode: Snap Action, maximum rating 5A

Process connection: 2" ANSI 150 class RF Flange

Electrical Connection: ½"NPT

Float & Linkage 316 SS / 304 SS

Max. Pressure 14.06 Kg/Sq.cm, (200 psi) Max.

Working Temperature: 180 Degree F

Power Supply: 24 DC

IP: 65 & flameproof to gas Gr.IIA, IIB or IIC,Zone-1

Statuary approval: DGMS approval certificate is required.

10) HIGH OIL TEMPERATURE SWITCH WITH Thermo well:

Service : Level alarm in BMS

Enclosure: Die cast Aluminium, weatherproof IP: 65 & flameproof to gas Gr.IIA, IIB or IIC, Zone-1

Range : 0 to 100 Deg C (32 to 212 Deg F)

Sensor: Vapour Pressure / Gas filled thermal system actuating a 316L SS Bellows

Wetted parts: 316 SS bulb

Repeatability + 1% FSR

Connection: To Thermowell

Thermo well Material : 316 SS

Thermo well Connection: ½ INCH FNPT x 1 INCH NPT (M)

Power Supply: 24 DC

Electrical Connection: ½"NPT

Switching: SPDT micro switch, maximum rating 5A

Statuary approval: DGMS approval certificate is required.

11) Low & High Gas Pressure:

Service : Low & High Gas Pressure alarm in BMS

Enclosure: Die cast Aluminium, weatherproof IP: 65 & flameproof to gas Gr.IIA, IIB or IIC, Zone-1

Range : 0 to 40psi

Enclosure: Die cast Aluminium, weatherproof IP: 65 & flameproof to gas Gr.IIA, IIB or IIC, Zone-1

Power Supply: 24 DC

Electrical Connection: ½"NPT

Switching: SPDT micro switch, maximum rating 5A

Process connection: 1/4" NPT(F)

Scale Accuracy: ± 5% FSR

Sensor: Phosphor Bronze / 316L SS bellows or 316L SS diaphragm.

Ambient Temp.: (-) 10°C to (+)50°C

Statuary approval: DGMS approval certificate is required.

TECHNICAL SPECIFICATIONS FOR BURNER MANAGEMENT SYSTEM FOR EMULSION

TREATERS (ET):

The BMS controller will be used to primarily control and monitor the complete ignition and firing sequence of the burners installed in the ET. It will monitor the presence of pilot flame and will shut off the fuel gas flow if the flame goes out. An auto re-light will try to re-ignite the burner up to three times if there is a flame failure. There will be provisions for dedicated alarm inputs for low fluid level, high bath temperature and low as well as high gas pressure that can be user configurable. The burners shall be designed with atmospheric (natural draft) appliances up to 10,000,000 Btu/H and shall be suitable to functioning with the following quality of natural gas available at site:

Composition of Fuel Gas:

CONSTITUTION	Range by % VOLUME
Methane	85.7 - 93.52
Ethane	2.45 - 6.55
Propane	1.28 - 3.12
Nitrogen	0.53 - 1.21
Carbon-dioxide	0.01 - 0.57
Iso-Butane	0.31 - 0.75
N-Butane	0.4 - 1.14
Iso-Pentane	0.19 - 0.47
N-Pentane	0.17 - 0.38
Hexane	0.34 - 1.16
Gravity	0.6204 -0.6919
Gross Calorific Value	9636.8- 10590.8 Kcal/SCUM
Net Calorific Value	8704.3- 9595.4 Kcal/SCUM
Moisture content:	21.0 - 120.0 LB/MMCFT (336.0 - 1992.0KG/MMSCM)

Technical Specifications for BMS:-

- 1) Approvals CSA: Class 1 Division 2 Groups C & D. T4 (BMS Controller) - CSA: C22.2 No. 199 (Combustion Safety Controls and Solid-State Igniters for Gas and Oil Burning Equipment)
- 2) Operating Temperature: -40 to +50°C.
- 3) Maximum Test Press: 25 PSI
- 4) Operating Fuel Gas Pressure: 10 Psi(Max)- Natural Gas
- 5) Housing and Parts Materials: Aluminium/SS.
- 6) Power supply: 230VAC available at site. However BMS system shall be operable at 12-30VDC power.
- 7) Display type: LCD/Vacuum Fluorescent Display (VFD) with Full Text Message.
- 8) Operator control: Industrial positive action tactile feedback buttons (Start, Stop, Menu etc.)
- 9) Pilot Nozzle : Perforated Tip
- 10) Ignition Module : The Ignition module shall be separately installed in a non-hazardous location, inside the burner housing or other non- hazardous location to meet the requirements for a certified Combustion Safety Control as required by B149.3.
- 11) Solenoid ratings: 12 VDC or 24 VDC
- 12) Ignition cable: 10 feet min.
- 13) Communications RS 232/485 (Modbus) Remote Communications for monitoring and on/off control only. Multidrop communications via RS485. (Optional)
- 14) Safety alarms:
 - 1 x Low Pressure alarm
 - 1 x High Pressure alarm

1 x Low Liquid Level alarm
1 x High Temperature alarm
1 x Flame failure alarm

15) Pilot Burner (2 No.):

Connection : 1/2 inch NPT

Function : To provide pilot flame in the Natural gas fired Heater vessel

16) Pilot Gas Regulator (2 No.):

Function : To provide regulated gas supply to the Pilot Burner

Process connection : 6mm (1/4inch)

Maximum Inlet Pressure: 100 psi

Outlet Pressure : Adjustable full range

17) Fuel Shut-Off Valve (2 No.):

Function : Fuel shut-off in case of pilot flame failure in Natural gas fired Heater vessels

Body material : Ductile Iron A-395

End connections : 1" NPT (F)

Case material : Cast Aluminium

Diaphragm material : Nylon reinforced Buna-N diaphragm

Max. Working Pressure: 100 PSI

Packing : Standard O-Ring, Buna-N

Stem material : 303 Stainless Steel

Plug type : Soft plug for tight shut-off

18) Main Fuel Gas Regulator (1 No.):

Input Supply : 50 - 100 psi

Output : 0- 30 psi adjustable

Connection : 1" NPT (F)

19) Pressure Gauges in Main fuel line before and after Regulator:

Range : 0 -100 psi

Dial Size : 100 mm (4")

Connection Size : 1/2 INCH

Material of Construction: All SS

20) Pressure Gauges in Pilot fuel line after Regulator:

Range : 0- 20 psi

Dial Size : 100 mm (4")

Connection Size : 1/4 INCH

Material of Construction: All SS

SPECIAL TERMS & CONDITIONS

I. The bidder shall submit all technical details & drawings etc. in duplicate along with bid.

II. The bidder shall confirm that the order no. and year of manufacture shall be clearly written by means of welding on the skirt /leg of the vessel.

III. The bidder shall clearly mention in the bid any deviation/modification from OIL's

specification. The bidder must give special attention to carefully summarize the deviation/modification in a separate column in their offer document with a heading "DEVIATION/MODIFICATION". In case there are no deviations/ modifications, "NO DEVIATION FROM ENQUIRY" should be mentioned in the same column.

IV. The bidder shall confirm that the dished end shall be pressed and spun in dished head spinning machine only. Welded joint in dished end shall not be allowed.

V. The bidder shall confirm that all flanges shall be made of forged carbon steel conforming to ASTM A 105 and dimensions as per ANSI B 16.5 std. slip on RF (serrated) and of 150 class rating. Companion flanges shall be provided for all flanged nozzles and shall be weld neck type made of forged carbon steel conforming to ASTM A 105 and dimensions as per ANSI B 16.5 standard 150 class rating.

VI. The bidder shall confirm that the nozzle necks shall be made of SA 106 Gr B material only and to be provided with RF plates /saddle made of the material similar to the shell material. Also, all the nozzle connection should be provided with proper blind / plug at the time of dispatch of standard specification.

VII. The bidder shall provide along with bid the full details of liquid level gauge glass assembly (tubular type) along with GA drawing complete with cocks and gauge glass protected from external damage(WP- 500psig). Liquid level gauges made by reputed companies' viz. Levcon, Tectron etc would be preferred.

VIII. The bidder shall confirm to supply all instrumentation items and flame arrestor as specified in the NIT along with the vessel. Offers (Part offers) not quoting all the items shall be liable for rejection.

IX. The bidder shall categorically confirm to supply all Instrumentation Items & Flame Arrestor of make as specified in the tender. Offer quoting Instrumentation Items & Flame Arrestor of make other than specified in this tender will lead to outright rejection of bid.

X. The bidder shall provide P&I diagram of ET for control and safe operation incorporating all instruments, BMS etc. along with the bid.

XI. The bidder shall provide tentative specifications and dimensions of the instrumentation system given in the tender. However bidder has to offer instrumentation system for control and safe operation of ET which shall be suitable & compatible with the nozzles of the offered vessel. The detail specification, catalogue/literature, diagram etc. of the same to be submitted along with the bid.

XII. DGMS approval certificate is required for electrical item use in gas Gr.IIA, IIB or IIC, Zone-1.

XIII. If DGMS certified instruments are not available in the market during submission of tender, then, party has to confirm the following in bid:

(i) Field trial permission from DGMS for the same to be provided during inspection/ before dispatch.

(ii) Valid DGMS certificate to be provided during commissioning.

(iii) The commissioning shall be considered incomplete till the valid DGMS certificate provided by the supplier.

(iv) The payment of DGMS approved electrical equipment will be as per normal terms and conditions of the order. However, payment for the electrical equipment supplied with DGMS field trial permission shall be to the extent of 50% of the cost of the equipment against dispatch/shipping documents. The balance 50% shall be made on submission of DGMS approval only. Bidders to quote the price of the electrical equipment separately as notes & attachment of Price Bid for which DGMS approval is not available.

XIV. The bidder shall furnish necessary guarantee certificate for safe and trouble free operation of the EMULSION TREATER INCLUDING ALL BOUGHT OUT ITEMS for 18 months from the date of dispatch / shipment or 12 months from the date of receipt at destination whichever is earlier.

XV. Third Party Inspection for Vessel

The vessel will be inspected by any one of Third Party Inspection Agencies approved by Oil India Ltd. Viz. M/s Lloyds or M/s Bureau Veritas or M/s RITES or M/s DNV or M/s IRS or M/s Tuboscope Vetco only with following scope of work -

- a) To review qualification of the welder and welding procedure specifications (WPS) as per ASME code.
- b) To review and ensure use of raw materials as per purchase order. This may be done by reviewing original MTC or by chemical analysis and physical test.
- c) To ensure that the bidder has complied with respect to our approved drawings for fabrication of the vessel.
- d) To review the stage wise inspection of sub assemblies viz. inlet and outlet, mist extractor assembly, dished end, companion flanges etc. before final assembly.
- e) To review the radiographed film of weld joints as per ASME code and heat treatment chart.
- f) To witness final dimensional inspection and ensure proper workmanship.
- g) To ensure that the vessel is painted internally with heat resistant anti corrosive painting. The heat resistant paint should be able to withstand heat up to max. Working temperature i.e. 71 Deg. C.
- h) To witness hydro test of the vessel.
- i) To inspect the Emulsion Treater in full assembled condition, i.e. with full instrumentation system and other accessories fitted to the vessel at the supplier's works before dispatch.
- j) The above inspection is for general guide line only. If third party desire to carry out any additional inspection as per ASME code, the same should be included under intimation to Oil India Limited.
- k) To document and issue inspection certificate.

XVI. OIL may depute its engineer for stage inspection viz. after completion of the shell (with all mounting / opening provision) and final inspection of the vessel with full instrumentation system and other accessories fitted to the vessel at the supplier's works before dispatch. The supplier will have to arrange for the same giving minimum 15 days prior intimation to OIL.

XVII. Bidder shall confirm supply of all instrumentation items and Flame Arrestor as specified in the NIT along with the vessel. Offers not quoting all the items (Part offers) will be liable for outright rejection.

Additional Terms & Conditions for FLAME ARRESTOR:

1.0 The flame arrestor mounting flange shall be such as to match the bolting pattern of the fire tube of the heater as shown in drawing no OIL/PDNO/P&D/015/A-01/01 (Copy enclosed).

2.0 The flame arrestor will be fitted in pairs, in U-type fire tube of emulsion treater (ET) as detailed in drawing no. OIL/1582, at a center to center distance of 660mm.

Note: The material of construction for the flanges shall be same as that of the flame arrestor. Dimension of all the flanges should be identical.

3.0 Provision for suitable support in the Flame Arrestor shall be provided to rest the Main Burner.

4.0 Sufficient Stiffeners should be fitted in all the flanges and these shall be shown in the supplied sketches.

5.0 Nameplate on each Flame Arrestor shall be provided with the following minimum information:

Manufacturer's name, Model no., Burner capacity & Fuel Gas pressure.

6.0 In addition to Nameplate, Manufacturer's Serial no. for each item shall be provided on the body of each Flame arrestor either by die-stamping or stenciled.

7.0 The bidder has to mention the Make / Model of the offered Flame Arrestor in the offer. Relevant product catalogue and Engineering Drawing shall be submitted along with the bid, failing which offer will not be considered for evaluation.

ITEM NO. 20

PROCUREMENT OF 14 (FOURTEEN) NUMBERS OF FLAME ARRESTORS (i.e. 2 NOS. AGAINST EACH ET) OF FOLLOWING DESCRIPTION SHALL BE SUPPLIED.

SPECIFICATION FOR FLAME ARRESTOR

14 (FOURTEEN) NUMBERS OF FLAME ARRESTORS (i.e. 2 NOS. AGAINST EACH ET) OF FOLLOWING DESCRIPTION SHALL BE SUPPLIED.

Design & supply of "O" style, 2-piece, flame arrestor, complete with necessary burning equipment/accessories i.e. main and pilot burners, mixers etc. suitable for HEATER TREATERS of shell dia and length: 2000 mm x 9250 mm of Flameco Model SB26/18-12 or Wenco Model SB26/18-12 to suit the following conditions:

1. Fire Tube: 'U' type. The orientation of the flange bolting for the equipment should be as per drawing no. OIL/1582(Copy attached).

2. Furnace capacity: 1,125,000 BTU/Hr. (Net)

3. Temperature of Bath: 26 Deg.C to 90 Deg.C

4. Calorific value of natural gas: 1000 BTU/ft³

5. Burner Gas Pressure: 0.7 - 1.05 Kg/Cm² (10-15psi)

6. Each flame arrestor should be complete with the following accessories:

a) 101.6mm(4")/76.2mm(3") Eclipse Model: H-160 or equivalent mixture assembly - 01 No.

b) 101.6mm (4")/76.2mm (3") sticktite Model: ST-216-84 or equivalent burner nozzle - 01 No.

c) 6.75mm(17/64") burner orifice - 01 No.

d) 6.35mm(1/4") pilot - 01 No.

e) Pilot Orifice size 70 - 01 No.

f) Burner Pipe Nipple - 01 No.

- g) Pilot Pipe nipple - 01 No.
- h) Couplings of different sizes on body of the flame arrester for fuel gas supply.
- i) Lifting lug -04 Nos.
- j) Necessary sight glass should be provided to check the pilot flame.
- k) A separate spool or extended flame arrester neck shall be required to be fitted with the flame arrester to avoid fouling with the treater chimney.
- l) The case of the flame arrestors shall be made out of such material that will withstand outdoor field conditions like rains, ambient temperature of minimum 5 deg.C and maximum 45 deg.C and should not crack or get damaged due to rapid uneven cooling / heating. Gaskets, wherever used, should be gas tight, so that leaks do not occur that can impair the safety of the installation.
- m. Following additional accessories shall be supplied as spares along with each Flame Arrester:
 - a. Pilot Burner assemblies -02 nos. against each Flame Arrester.
 - b. Mixure assembly as described above -02 nos. against each Flame Arrester.
 - c. Main Burner nozzle as described above-02 nos. against each Flame Arrester.

(Please refer to Special Terms & Conditions for more information)

SPECIAL TERMS & CONDITIONS

1. Both the Items ie Emulsion Trater & Flame arrester will be procured from same source and evaluation will be done accordingly.

Additional Terms & Conditions for FLAME ARRESTOR:

1.0 The flame arrester mounting flange shall be such as to match the bolting pattern of the fire tube of the heater as shown in drawing no OIL/PDNO/P&D/015/A-01/01 (Copy enclosed).

2.0 The flame arrester will be fitted in pairs, in U-type fire tube of emulsion treater (ET) as detailed in drawing no. OIL/1582, at a center to center distance of 660mm.

Note: The material of construction for the flanges shall be same as that of the flame arrester. Dimension of all the flanges should be identical.

3.0 Provision for suitable support in the Flame Arrester shall be provided to rest the Main Burner.

4.0 Sufficient Stiffeners should be fitted in all the flanges and these shall be shown in the supplied sketches.

5.0 Nameplate on each Flame Arrester shall be provided with the following minimum information:

Manufacturer's name, Model no., Burner capacity & Fuel Gas pressure.

6.0 In addition to Nameplate, Manufacturer's Serial no. for each item shall be provided on the body of each Flame arrester either by die-stamping or stenciled.

7.0 The bidder has to mention the Make / Model of the offered Flame Arrester in the offer. Relevant product catalogue and Engineering Drawing shall be submitted along with the bid, failing which offer will not be considered for evaluation.

NOTE:

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all

Annexure- DDD

INTEGRITY PACT

Between

Oil India Limited (OIL) hereinafter referred to as "The Principal"

And

(Name of the bidder).....hereinafter referred to as "The Bidder/Contractor" |

Preamble :

The Principal intends to award, under laid down organizational procedures, contract/s for Tender No. **SDI8159P16**. The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Contractor/s.

In order to achieve these goals, the Principal cooperates with the renowned international Non-Governmental Organisation "Transparency International" (TI). Following TI's national and international experience, the Principal will appoint an external independent Monitor who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 - Commitments of the Principal

- (1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-
 1. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for him/herself or third person, any material or immaterial benefit which he/she is not legally entitled to.
 2. The Principal will, during the tender process treat all Bidders with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidders the same information and will not provide to any Bidder confidential/additional information through which the Bidder could obtain an advantage in relation to the tender process or the contract execution.
 3. The Principal will exclude from the process all known prejudiced persons.
- (2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a Page 2 of 6 substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder/Contractor

- (1) The Bidder/Contractor commits itself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
1. The Bidder/Contractor will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or immaterial benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
 2. The Bidder/Contractor will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, Subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelisation in the bidding process.
 3. The Bidder/Contractor will not commit any offence under the relevant Anticorruption Laws of India; further the Bidder/Contractor will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 4. The Bidder/Contractor will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- (2) The Bidder/Contractor will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 - Disqualification from tender process and exclusion from future Contracts

If the Bidder, before contract award has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or risibility as Bidder into question, the Principal is entitled to disqualify the Bidder from the tender process or to terminate the contract, if already signed, for such reason.

1. If the Bidder/Contractor has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal is entitled also to exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressions within the company hierarchy of the Bidder and the amount of the damage. The exclusion will be imposed for a minimum of 6 months and maximum of 3 years.

2. The Bidder accepts and undertakes to respect and uphold the Principal's Absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.
3. If the Bidder/Contractor can prove that he has restored/recouped the Damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion prematurely.
1. A transgression is considered to have occurred if in light of available evidence no reasonable doubt is possible.

Section 4 - Compensation for Damages

1. If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover from the Bidder liquidated damages equivalent to 3 % of the value of the offer or the amount equivalent to Earnest Money Deposit/Bid Security, whichever is higher.
2. If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/Performance Bank Guarantee, whichever is higher.
3. The bidder agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder/Contractor can prove and establish that the exclusion of the Bidder from the tender process or the termination of the contract after the contract award has caused no damage or less damage than the amount or the liquidated damages, the Bidder/Contractor shall compensate the Principal only to the extent of the damage in the amount proved.

Section 5 - Previous transgression

1. The Bidder declares that no previous transgression occurred in the last 3 years with any other Company in any country conforming to the TI approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 - Equal treatment of all Bidders/Contractor/Subcontractors

1. The Bidder/Contractor undertakes to demand from all subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.
2. The Principal will enter into agreements with identical conditions as this one with all Bidders, Contractors and Subcontractors.

3. The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 - Criminal charges against violating Bidders/Contractors/ Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor, which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 - External Independent Monitor/Monitors (three in number depending on the size of the contract) (to be decided by the Chairperson of the Principal)

1. The Principal appoints competent and credible external independent Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairperson of the Board of the Principal.
3. The Contractor accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder/Contractor/Subcontractor with confidentiality.
4. The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
5. As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or heal the violation, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
6. The Monitor will submit a written report to the Chairperson of the Board of the Principal within 8 to 10 weeks from the date of reference or intimation to him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.
7. If the Monitor has reported to the Chairperson of the Board a substantiated suspicion of an offence under relevant Anti-Corruption Laws of India, and the Chairperson has not, within reasonable time, taken visible action to proceed

against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

8. The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the respective contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made/ lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by Chairperson of the Principal.

Section 10 - Other provisions

1. This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. New Delhi.
2. Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
3. If the Contractor is a partnership or a consortium, this agreement must be, signed by all partners or consortium members.
4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

R BARMAN
SR MANAGER MATERIALS (IP)

For the Principal

For the Bidder/Contractor

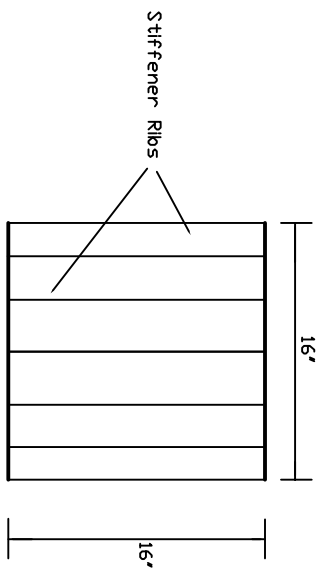
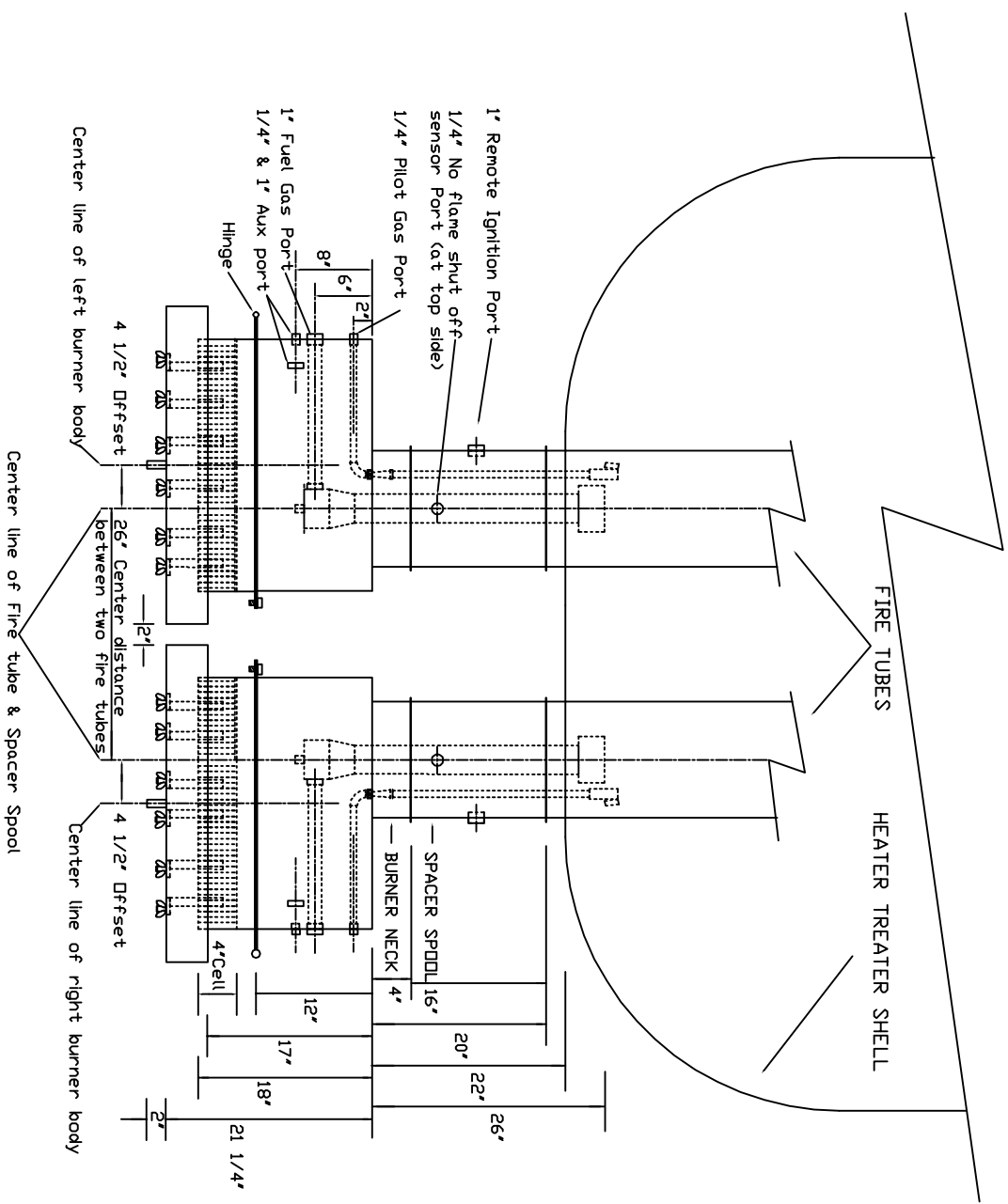
Place. Duliajan.

Witness 1 :

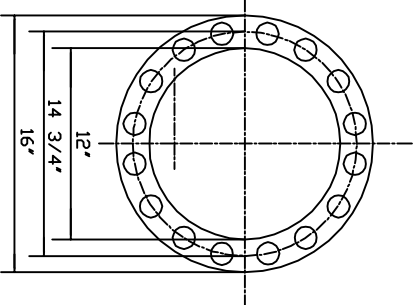
Date 13.08.2014 .

Witness 2 :

FLAME ARRESTED BURNER



SPACER SPOOL



FLANGE DETAILS OF SPACER & BURNER NECK
16 Nos equally spaced holes of size 9/16" drilled on 14 3/4" B.C.D & 16" OD Flange

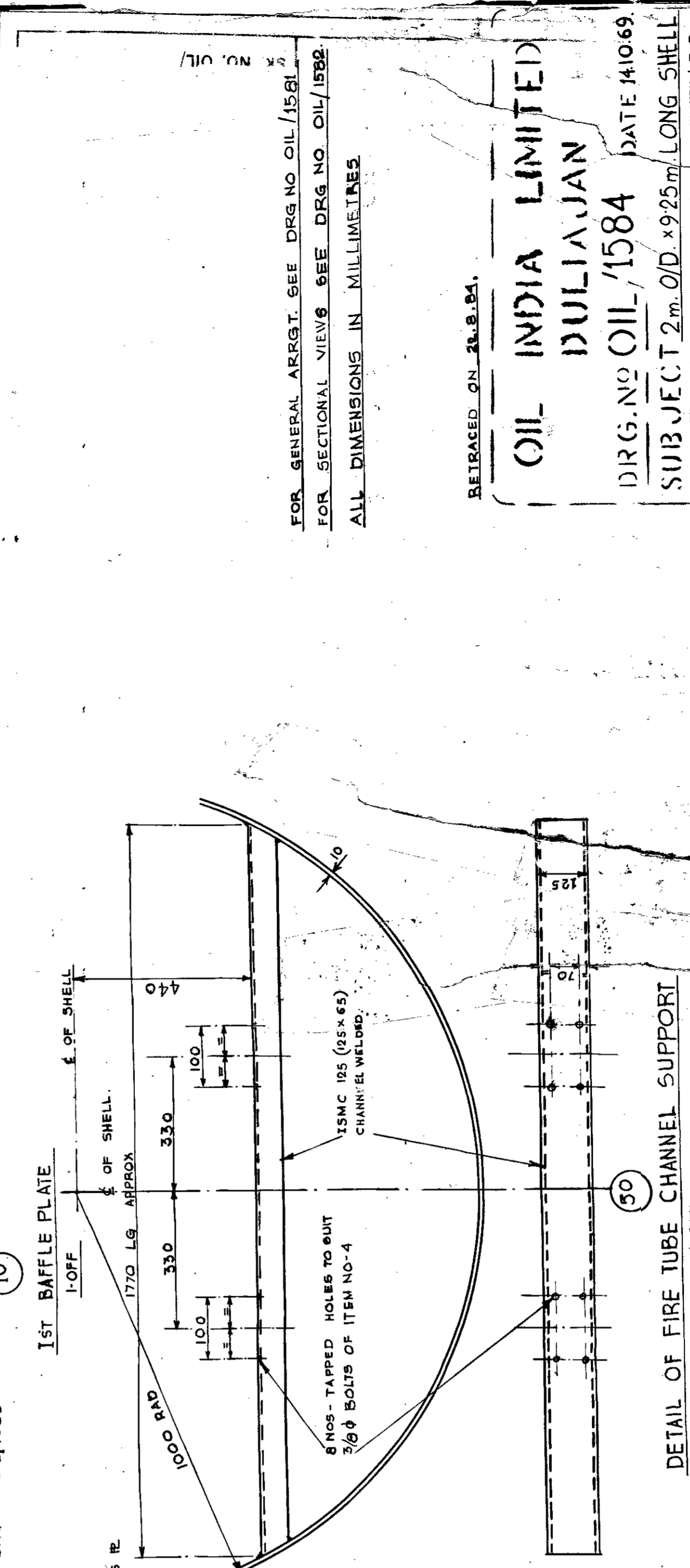
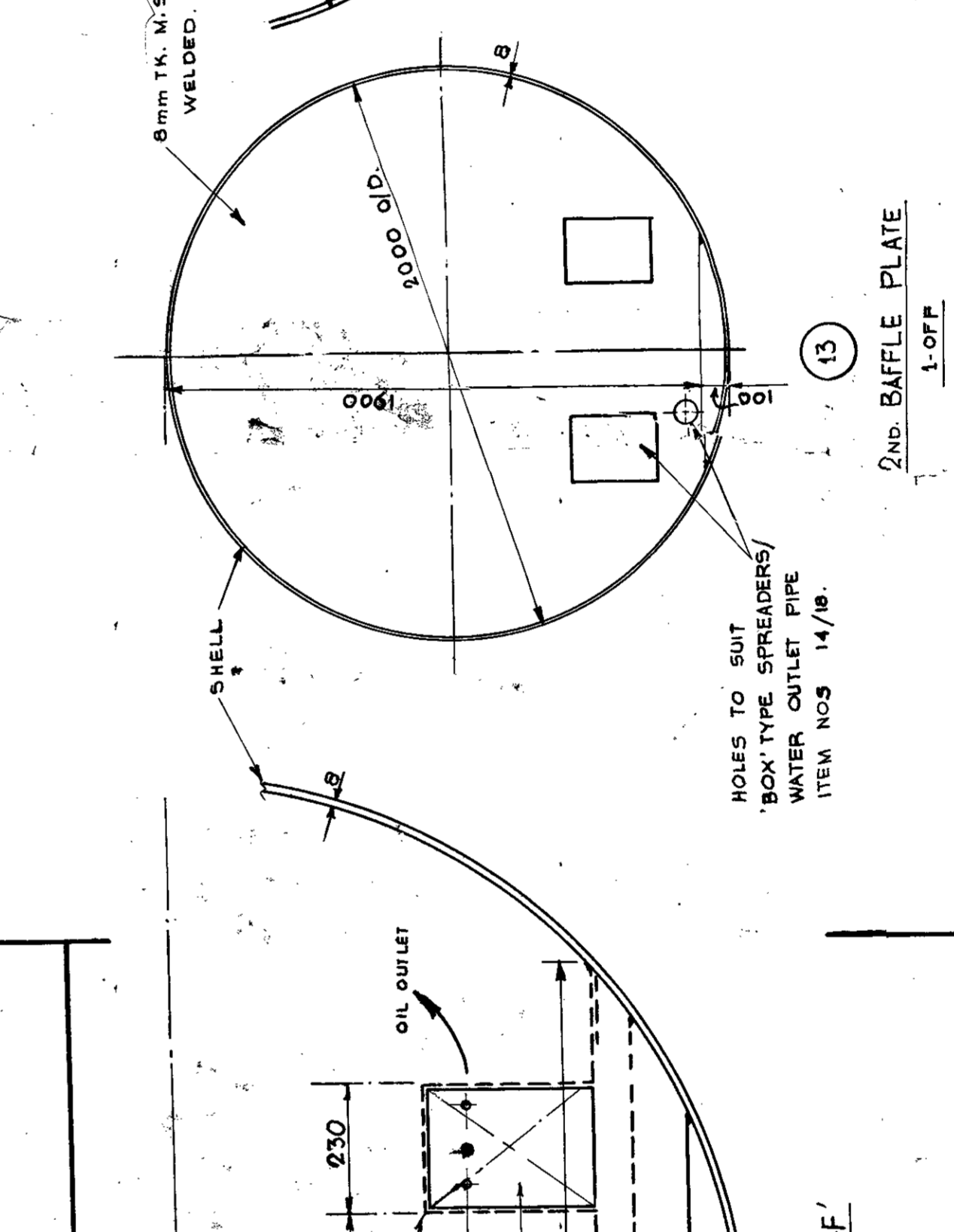
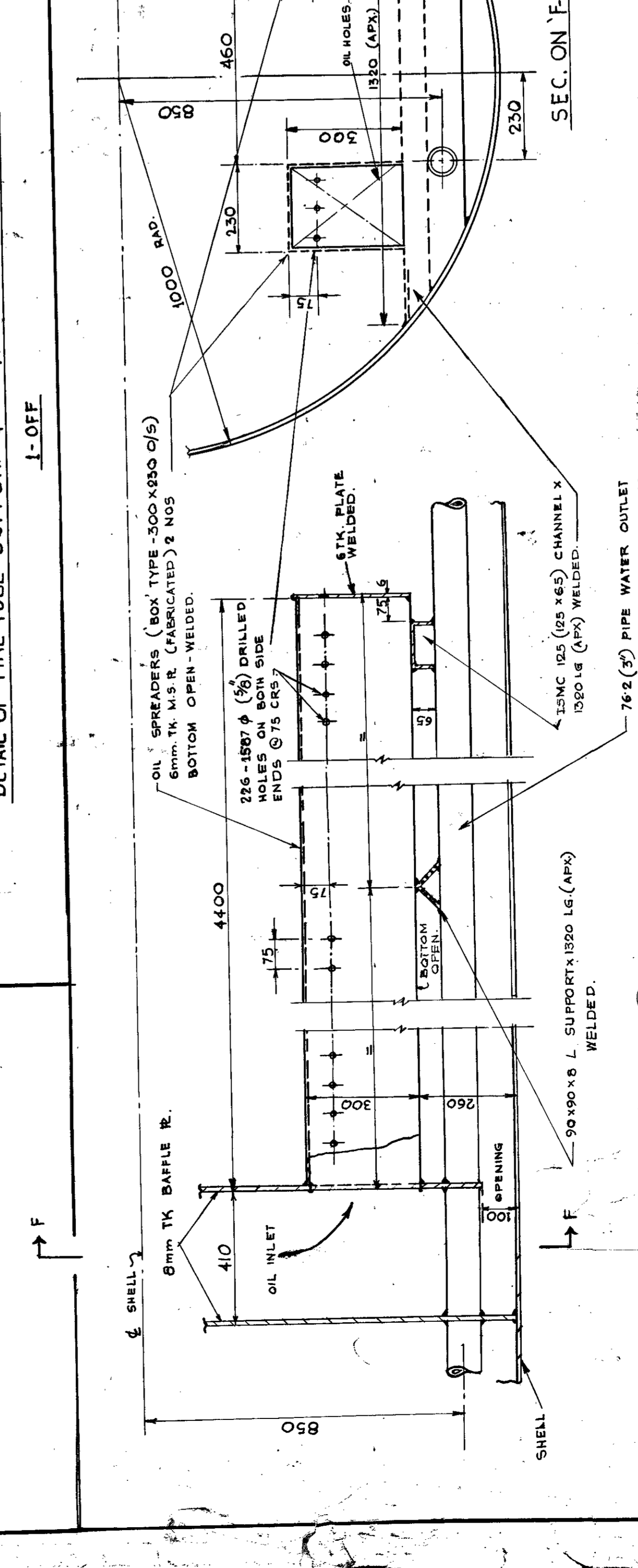
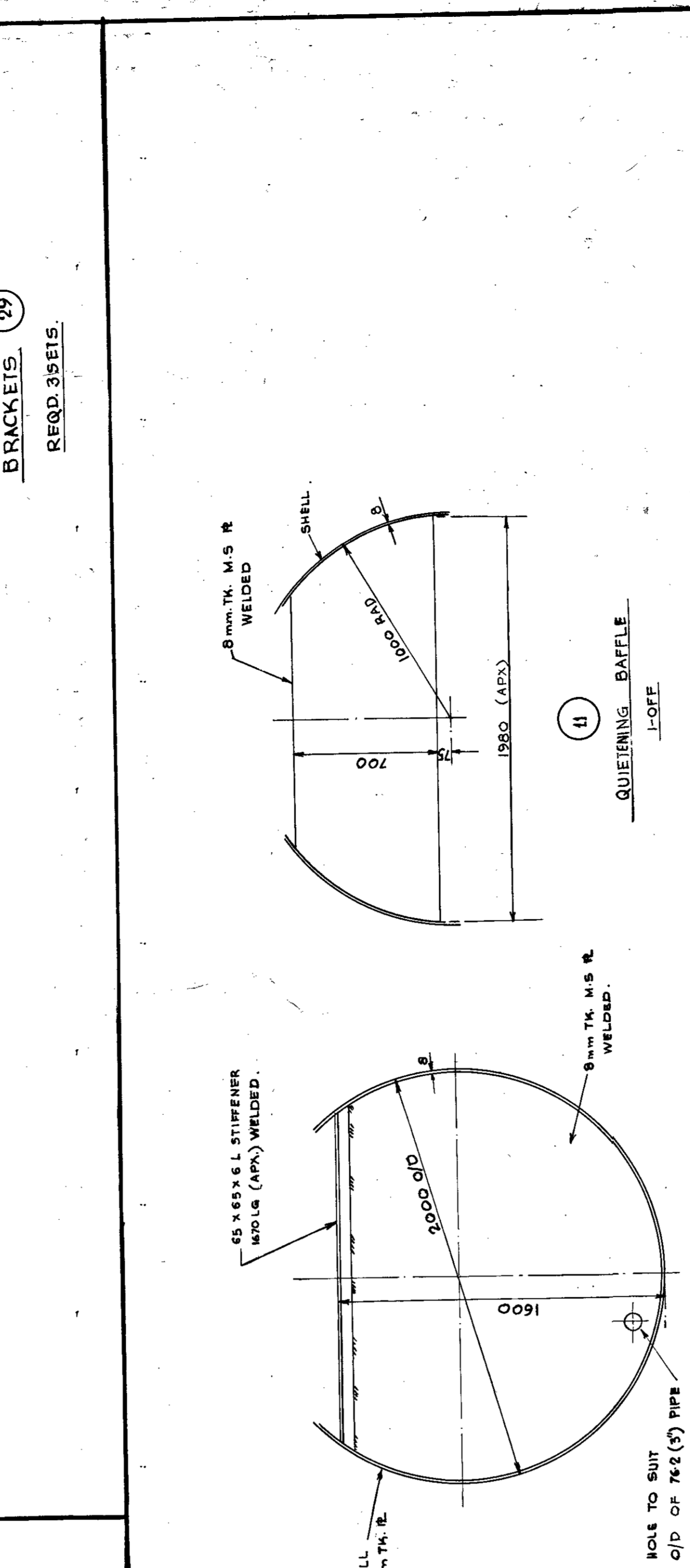
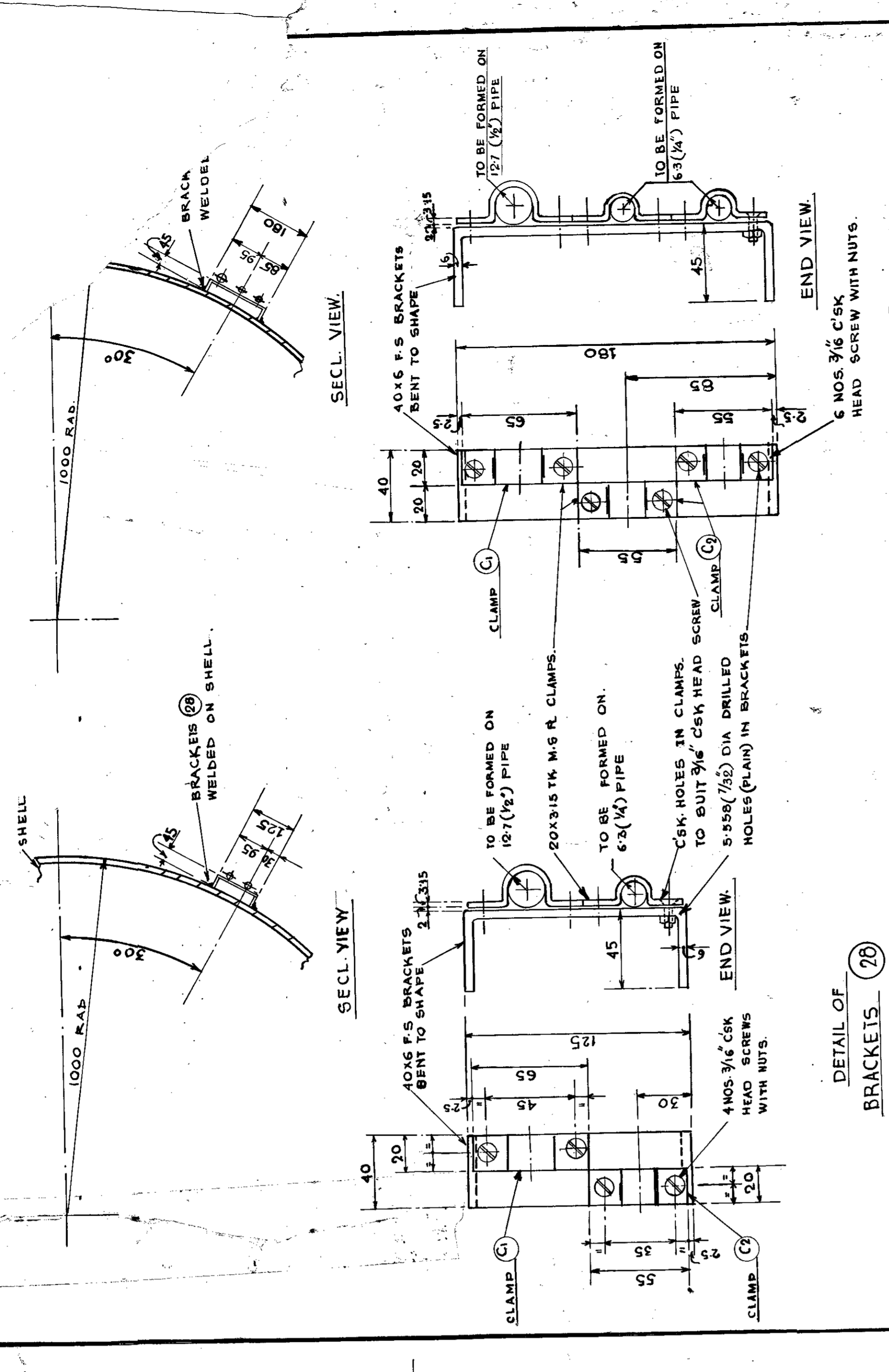
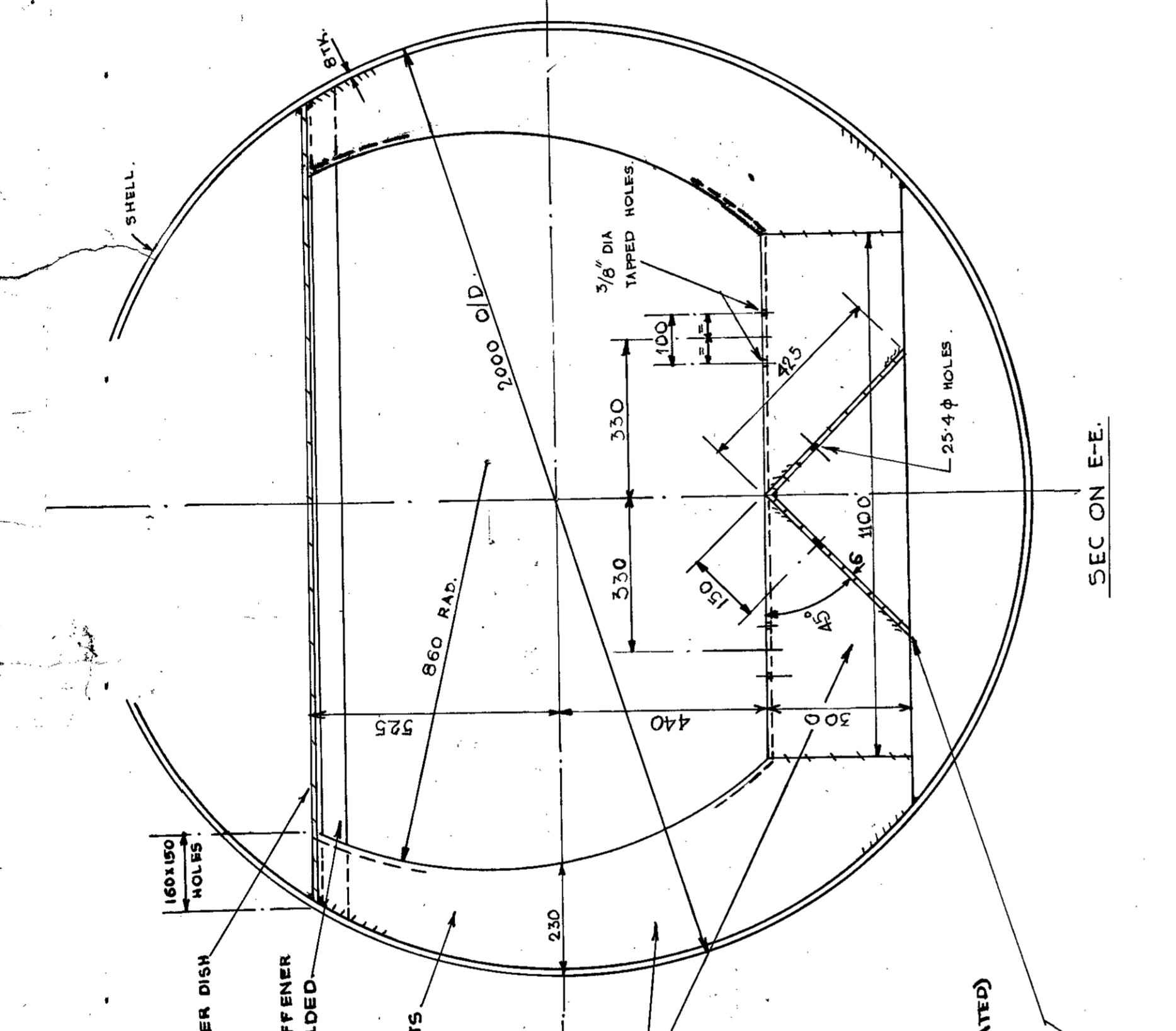
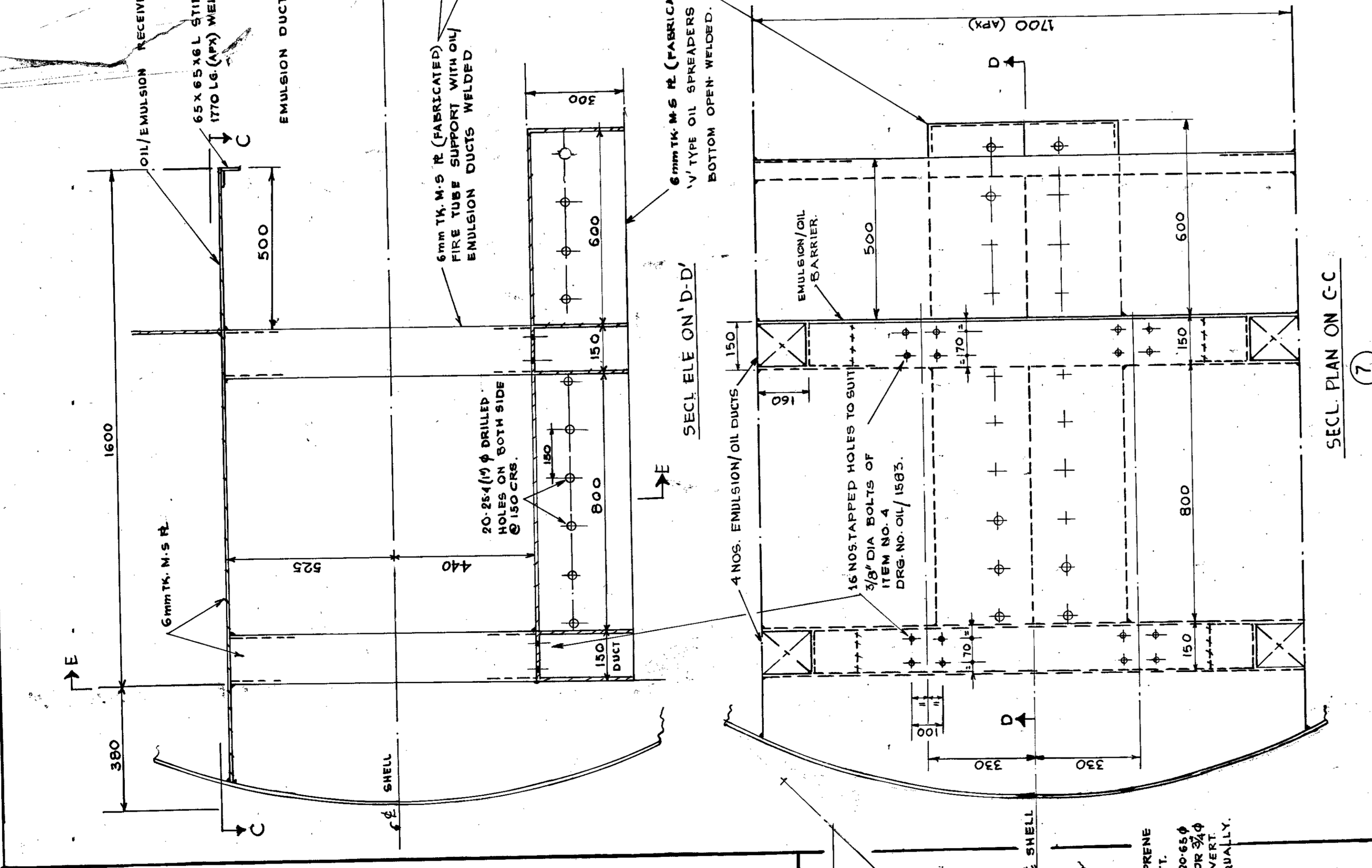
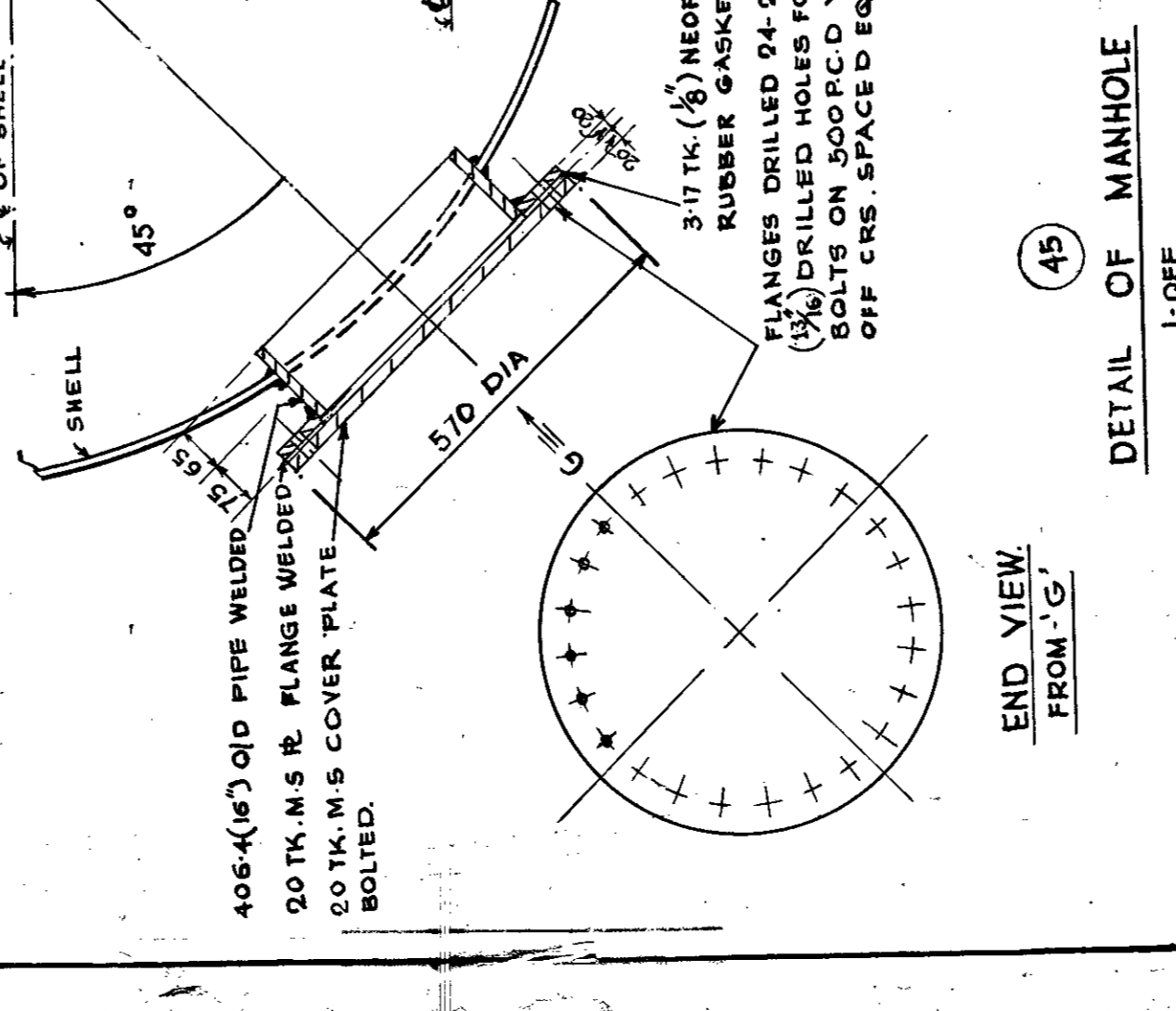
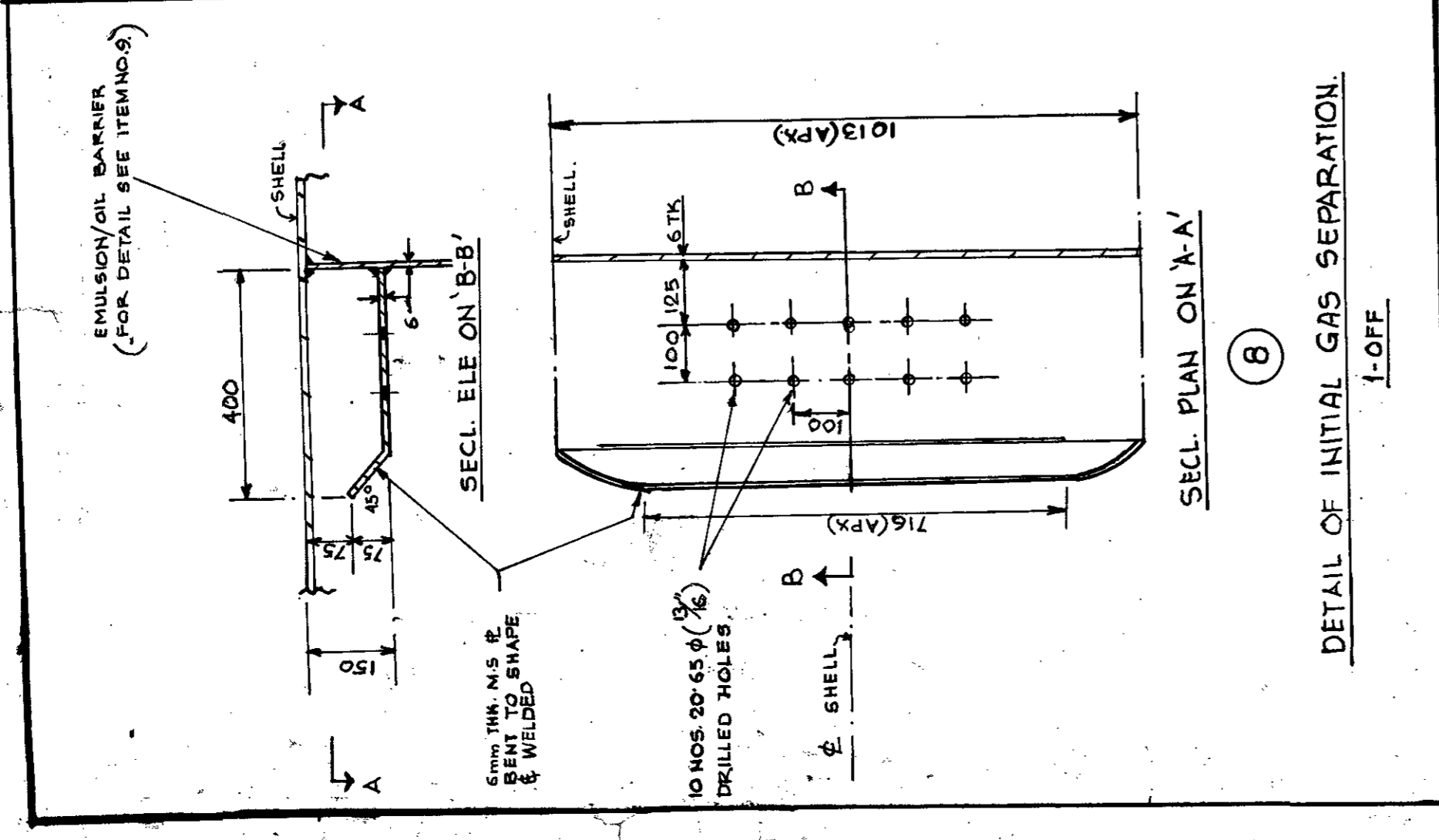
NOTES : 1) Not To Scale
2) Refer Specification

OIL INDIA LIMITED
PROD (OIL) DEPTT.
DULIAJAN 786602

FLAME ARRESTED BURNER
FOR EMULSION TREATER

DR NO

OIL/PDNO/P&D/015/A-01/01



OIL INDIA LIMITED
DULAJAN

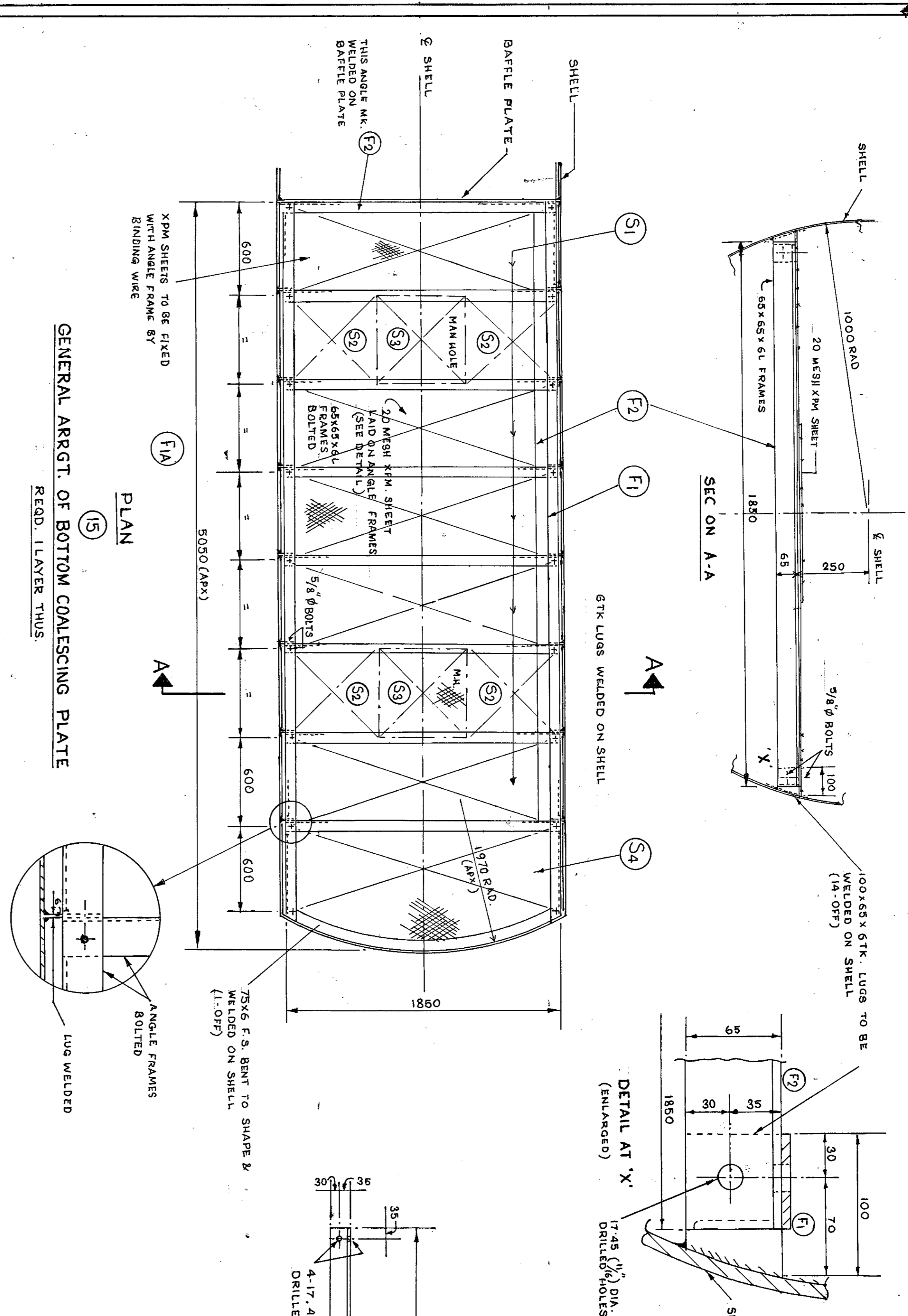
DATE 14/06/84
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 SCALE: 1:100
 APPROVED BY: [Signature]

SUBJECT: 2m. OD. x 9.25m LONG SHELL
 EMULSION TREATER-DETAIL OF FITTINGS
 ITEM NOS. 7, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

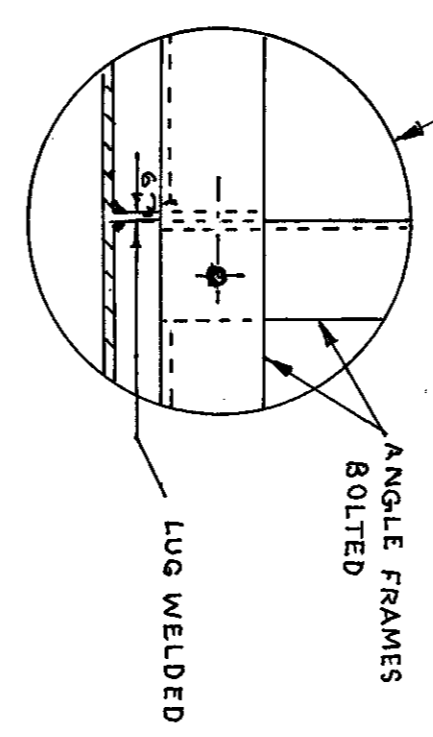
FOR GENERAL REFERENCE SEE DRG NO. OIL/1584
 FOR SECTIONAL VIEWS SEE DRG NO. OIL/1585
 ALL DIMENSIONS IN MILLIMETRES

RETRACTED ON N.B.R.M.

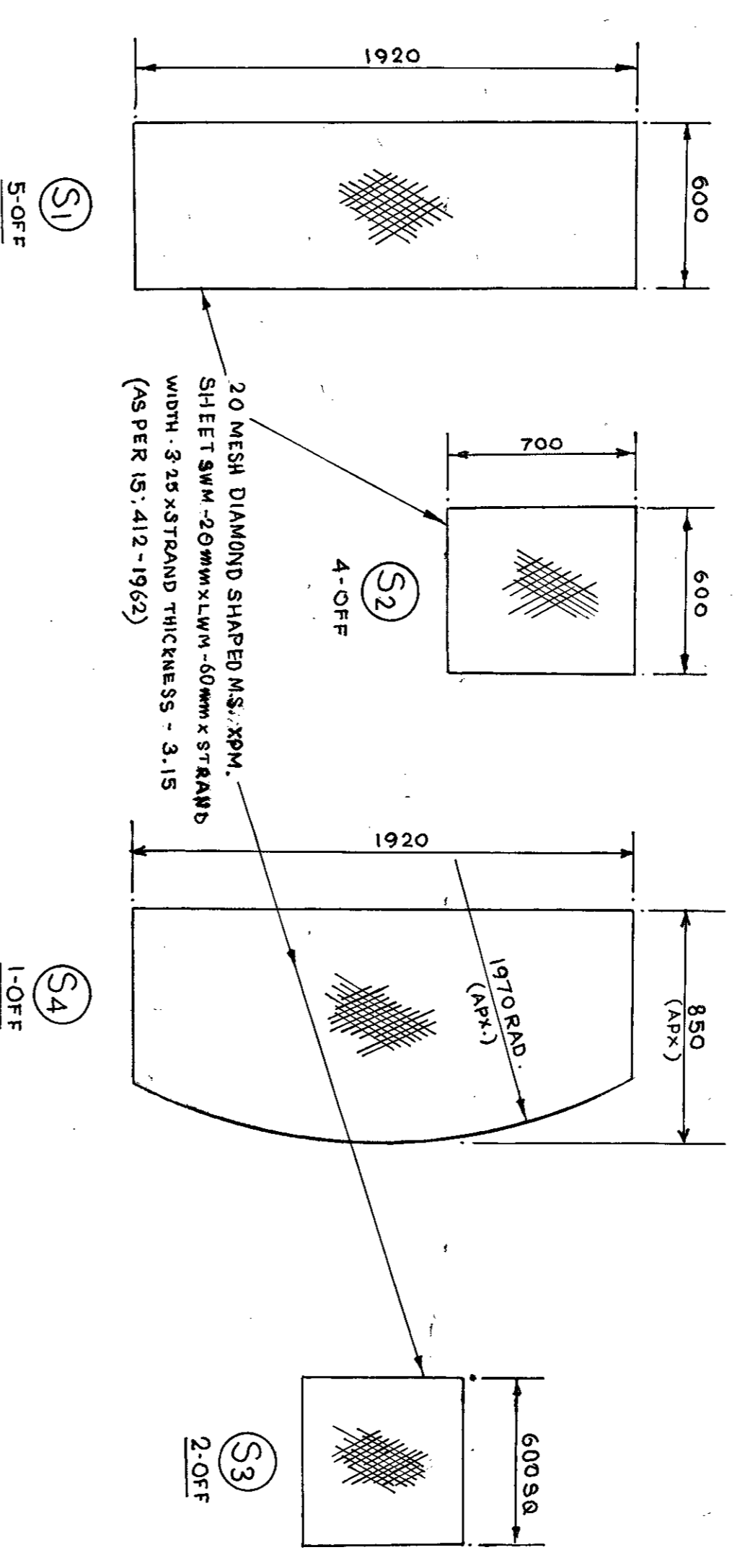
REV. DATE DESCRIPTION



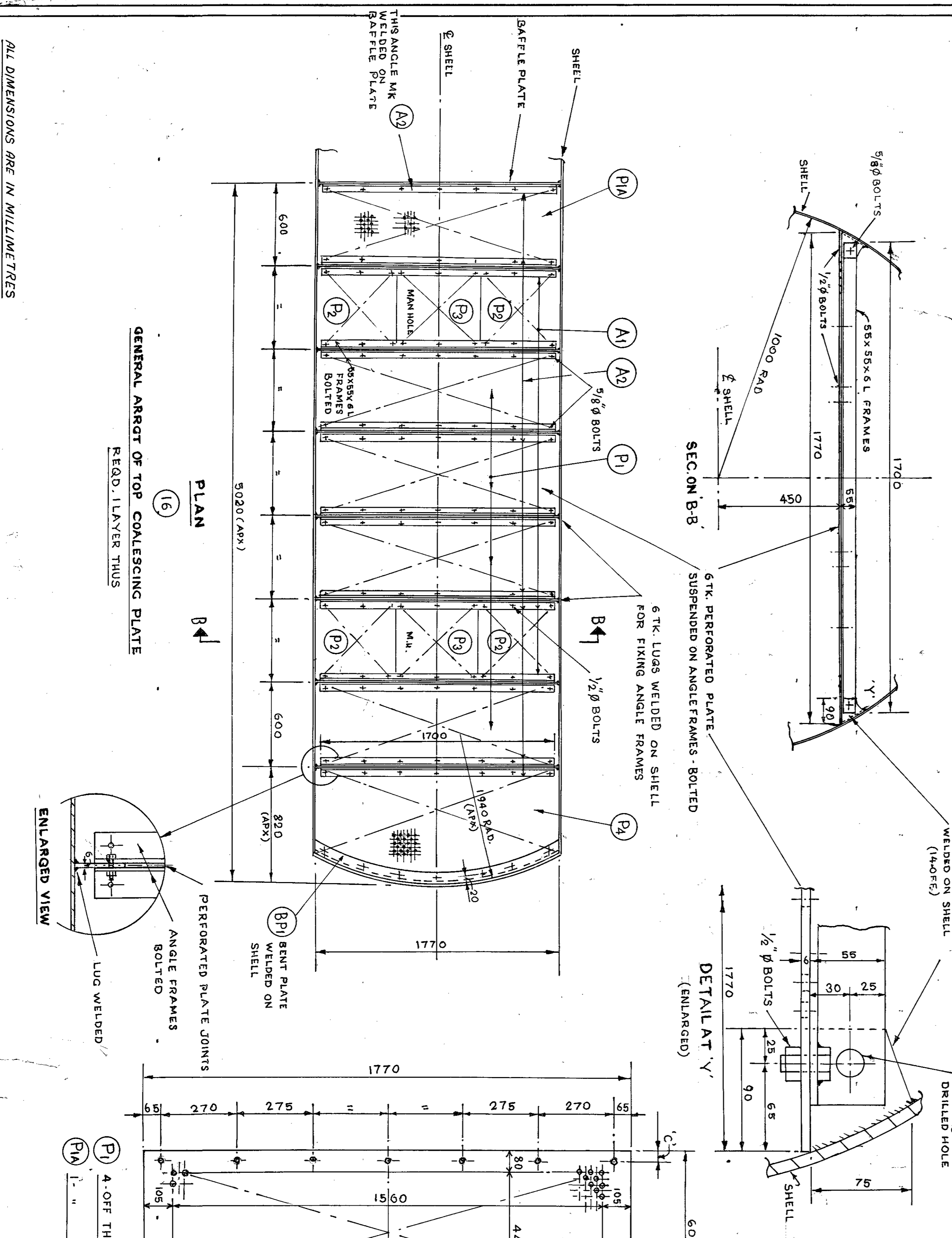
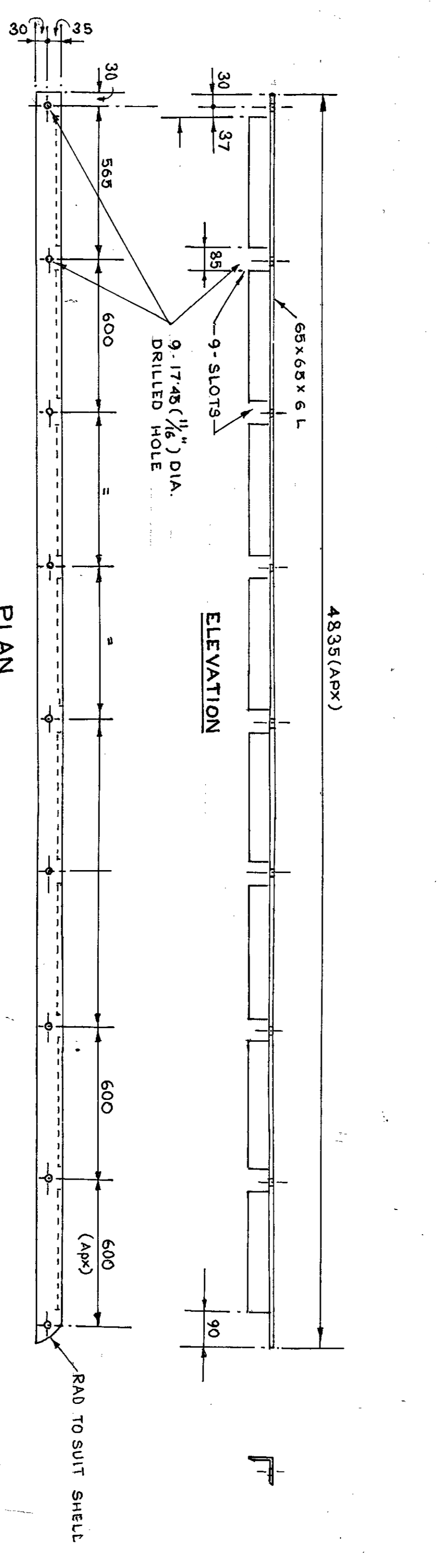
GENERAL ARRGT. OF BOTTOM COALESCING PLATE
RECD. LAYER THUS.



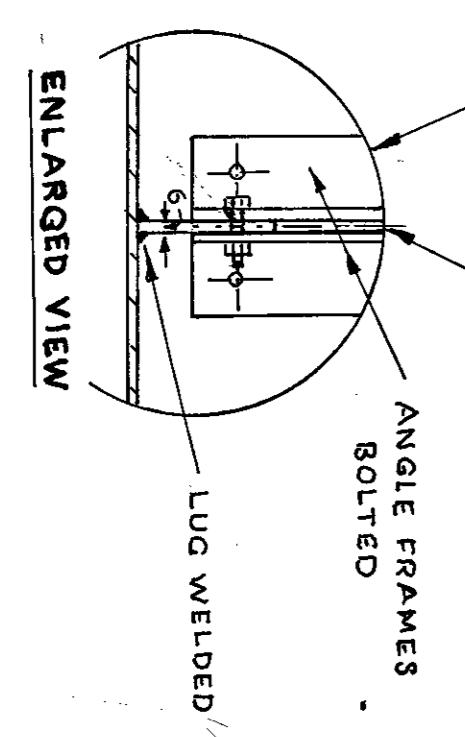
DETAILS OF BOTTOM COALESCING PLATE



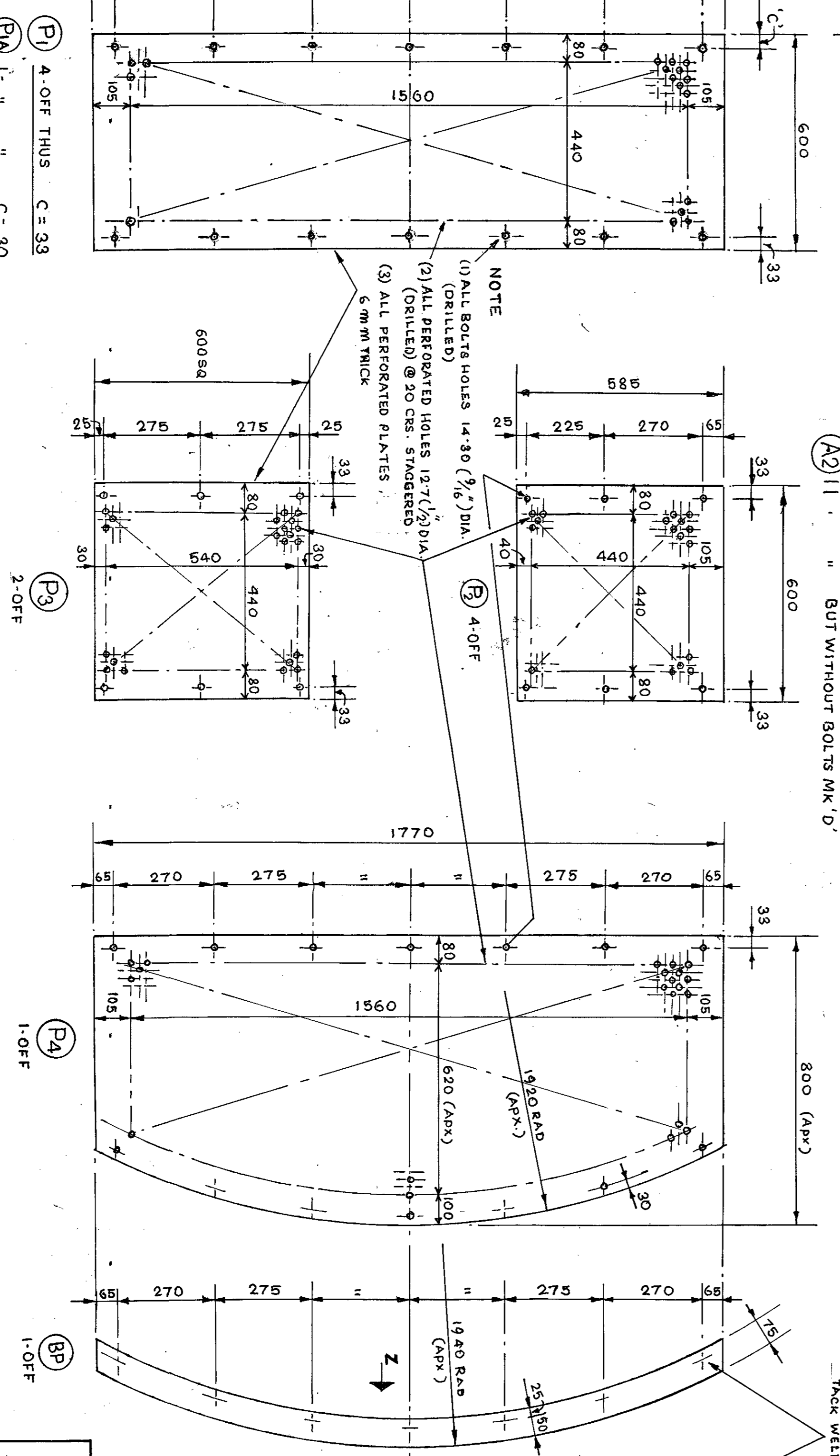
PLAN
F1 1-OFF THUS
F1A 1-OFF HAND



GENERAL ARRGT. OF TOP COALESCING PLATE
RECD. LAYER THUS



DETAILS OF TOP COALESCING PLATE



PLAN
P1 4-OFF THUS C=33
P1A 1-OFF HAND

RETRACED ON-25 03.08	FOR GENERAL ARRGT. SEE DRG. NO. OIL/1581 FOR SECTIONAL VIEW " " OIL/1582
OIL INDIA LIMITED DRAWING OFFICE DURGAM CHOWKI	
SCALE 1:20, 1:10	TITLE 20 MESH DIAMOND SHARDED M.S. XPM SHEET TREATER - DETAIL OF COALESCING PLATE
NO. DATE	APPROVED
REVISION	DATE
DRG. NO. OIL/1585	APPROVED

ALL DIMENSIONS ARE IN MILLIMETRES

Technical Bid Checklist

Annexure-EEE

Tender No.			
Bidder's Name :			
		Compliance by Bidder	
SL. NO.	BEC / TENDER REQUIREMENTS	Indicate 'Confirmed' / 'Not Confirmed' / Not applicable	Indicate Corresponding page ref. of unpriced bid or Comments
1	Bidder to confirm that he has not taken any exception/deviations to the bid document .		
2	Confirm that the product offered strictly conform to the technical specifications.		
3	Confirm that the Offer has been made with Bid Bond / Bank Guarantee / Earnest Money along with the offer (Wherever Applicable) ?		
4	Confirm unconditional validity of the bid for 120 days from the date of opening of techno-commercial bid.		
5	Confirm that the prices offered are firm and / or without any qualifications?		
6	Confirm that all relevant fields in the on-line bidding format been filled in by the bidders for the items quoted by them.		
7	Confirm that the the price bid is in conformity with OIL's online bidding format ?		
8	Confirm that the Bid comply with all the terms & conditions ?		
9	Confirm that the offers and all attached documents are digitally signed using digital signatures issued by an acceptable Certifying Authority (CA) as per Indian IT Act 2000.		
10	CONFIRM THAT YOU HAVE SUBMITTED THE DULY SIGNED INTEGRITY PACT DOCUMENT (Wherever Applicable)		
11	CONFIRM THAT YOU HAVE SHALL SUBMIT PERFORMANCE BANK GUARANTEE AS PER NIT IN THE EVENT OF PLACEMENT OF ORDER ON YOU (Wherever Applicable)		
12	CONFIRM THAT YOU HAVE SUBMITTED DOCUMENTS AS PER GENERAL QUALIFICATION CRITERIA		
13	Confirm that you have submitted Name and Full Address of Issuing Bank including Telephone, Fax Nos and Email id of branch manager where Bid security has been submitted as Bank Guarantee.		

NOTE: Please fill up the greyed cells only.

Response Sheet

Annexure-FFF

Tender No.	
Bidders Name	

Bidders Response Sheet

Sl No.	Description	Remarks
1	Name of Bidder	
2	Whether tender document purchased from OIL's offices.	
3	Place of Despatch	
4	Whether Freight charges have been included in your quoted prices	
5	Whether Insurance charges have been included in your quoted prices	
6	Make of quoted Product	
7	Offered Validity of Bid as per NIT	
8	Delivery Period in weeks from placement of order	
9	Complied to Standard Payment Terms of OIL or not.	
10	Bid Security Submitted (if applicable)	
11	Details of Bid Security Submitted to OIL (if applicable)	
	a) Bid Security Amount (In Rs):	
	b) Bid Security Valid upto:	
12	If Bid security submitted as Bank Guarantee, Name and Full Address of Issuing Bank including Telephone, Fax Nos and Email id of branch manager	
13	Bid Security if Not submitted reasons thereof	
14	Whether you shall submit Performance Security in the event of placement of order on you (if applicable)	
15	Integrity Pact Submitted (if applicable)	
16	Whether submitted documents in support of General Qualification criteria of NIT	
17	If bidder is Small scale unit whether you have quoted your own product	
18	If bidder is Small scale unit whether you are eligible for purchase preference (as per Govt guidelines)	
19	Whether filled up the bank details for online payment as per Annexure GGG	

NOTE: Please fill up the greyed cells only.

**(TO BE FILLED UP BY ALL THE VENDOR IN THEIR OWN LETER HEAD)
(ALL FIELDS ARE MANDATORY)**

Tender No. :.....
Name of Beneficiary :M/s.....
Vendor Code :.....
Address :.....
.....
Phone No. (Land Line) :.....
Mobile No. :.....
E-mail address :.....
Bank Account No. (Minimum
Eleven Digit No.) :.....
Bank Name :.....
Branch :.....
Complete Address of your
Bank :.....
IFSC Code of your Bank
a) RTGS :.....
b) NEFT :.....
PAN :.....
VAT Registration No. :.....
CST Registration No. :.....
Service Tax Registration No. :.....
Provident Fund Registration :.....

I/We confirm and agree that all payments due to me/us from Oil India Limited can be remitted to our above mentioned account directly and we shall not hold Oil India Limited responsible if the amount due from Oil India Limited is remitted to wrong account due to incorrect details furnished by us.

Office Seal

.....
Signature of Vendor

**Counter Signed by Banker:
Seal of Bank:**

Enclosure: Self attested photocopies of the following documents-

- 1) PAN Card
- 2) VAT Registration Certificate
- 3) Service Tax Registration
- 4) CST Registration
- 5) Provident Registration Certificate
- 6) Cancelled cheque of the bank account mentioned above (in original).
- 7) Bank Statement not older than 15 days on the date of submission.