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CIRCULAR

From: GM(F),HO, Mumbai

To : Core Group Members,
GM(RS)Regions / All State Office Heads

Ref: AC/BKG/RS/04/01(2008-09)

Date: 08.04.2008

Sub : Acceptance of Bank Guarantees (BGs)

Following Circulars have so far been issued from HO on the above subject:

1. HO Circular No. AC:BKG:INST:3/RS/04/08/2006-07 dated 26.09.06
2. HO Circular No. AC:BKG:INST:3/RS/04/08/2006/07 dated 24.11.2006 and
3. HO Circular No. AC/BKG/RS/04/10/2007-08 dated 17.12.2007.

CVC vide office memorandum No. 02-07-01-CTE-30 dated 31.12.2007 (copy enclosed) has also prescribed some precautions to be undertaken on the matter related to procedures for acceptance of Bank Guarantees which has also been circulated.

However, we are further giving below each of the points mentioned by CVC in their aforesaid letter and how they have been covered in our earlier circulars issued already:

1. Copy of proper prescribed format on which BGs are accepted from the contractors should be enclosed with the tender document and it should be verified verbatim on receipt with original document.

This is covered under para 3 of HO Circular No. AC:BKG:INST:3/RS/04/08/2006-07 dated 26.09.06 and the prescribed format was given in Annexure 1 of the said circular.

2. It should be insisted upon the contractors, suppliers, etc. that BGs to be submitted by them should be sent to the organization directly by the issuing bank under Registered post (A.D.).

This has also been communicated under Para 5 (i) in our earlier HO Circular No. AC:BKG:INST:3/RS/04/08/2006-07 dated 26.09.06.

3. In exceptional cases, where the BGs are received through the contractors, suppliers etc., the issuing branch should be requested to immediately send by Registered Post (A.D.) an unstamped duplicate copy of the guarantee directly to the organisation with a covering letter to compare with the original BG and confirm that it is in order.

This is a new requirement and should be complied with by all. This requirement was partly covered in HO Circular No. AC:BKG:INST:3/RS/04/08/2006-07 dt. 26.09.06 para 6 of Part(A) wherein it was advised that bank guarantee obtained towards EMD may be submitted by the tenderer along with the tender documents. However such BGs should be submitted along with the tender only in sealed envelope of the issuing bank . The functional department should obtain a confirmation directly from the BG issuing bank authenticating the genuineness of the BG .

4. As an additional measure of abundant precaution, all BGs should be independently verified by the organisations.

This has also been communicated under Para 5 (ii) in our earlier HO Circular No. AC:BKG:INST:3/RS/04/08/2006-07 dated 26.09.06 with a prescribed format at Annexure 2 to the said circular.

5. In the organisation/unit, one officer should be specifically designated with the responsibility for verification, timely renewal and timely encashment of BGs.

This is a new requirement to be complied with by all. Core Group members for HO, Heads of States & Regions for their respective offices should nominate one officer from the respective functional depts.. in respect of administrative offices and Location-in-charges in respect of each location for this requirement viz. verification, timely renewal and encashment of BGs. All concerned heads may furnish list of such nominated officers to ED(F). Any changes taking place in the nominations from time to time also to be furnished.

6. **Expiry date of BG:** In our earlier Circular dated 17.12.07 (in Point No. 4) expiry date was mentioned to be at least 3 months after the expiry of the contract/credit period. While some functional depts. are comfortable with this period, some functional depts. have expressed difficulties. This condition is being relaxed to the effect that in exceptional cases, BG Expiry date can be less than 3 months but definitely not less than one month after the expiry of the contract / credit period under any circumstances.

However, in such exceptional cases, the concerned functional dept. should take full responsibility to ensure all bills are accounted and outstanding is established and the same is collected from the party before the expiry date of the BG. In other words much before the expiry date itself action should be taken as above to realise full outstanding dues from the concerned party.

All the instructions issued in our previous circulars shall remain unchanged.

All are requested to ensure compliance to above referred guidelines on Bank Guarantees.



(P. UDAYA BHASKAR)
General Manager (Finance)

CC : Core Group Members
ED(Pricing & Taxation), CO
GM(IA).HO
Chief Law Manager (HO)
Chief Vigilance Manager (HO)
Finance Heads of Regions and State Offices

INTER OFFICE MEMO

Ref : ENG/59
Dt. 13/11/08

FOR : All State Engineering Heads

FROM : DGM (E), HO

Sub : Updation of vendor list for approved make of Material and Equipment for Retail Outlets.

We are giving below details of vendors who have been included in the list of 'Approved Make' with the approval of ED (E&P), HO.

Sr No	Name of Item	Manufacturer	BRAND NAME
1	Digital Tyre Inflator	PCL-SUMO Air Technology Pvt. Ltd, Plot No 3, Patkar Compound , Kashmira Industrial Estate, Village Mira, Dist. Thane-401104 E-mail: info@pclsumo.com Tel 022-65150171	PCL-SUMO
2	Diesel Generator Set	Mahindra & Mahindra Ltd Powerol Building, Gate No 2, Akruti Road, Kandivali (East), Mumbai-400101 Tel: 022-66483662	Mahindra Powerol
3	PET-G Sheets for RVI elements requiring thermoforming	Manufacturer:Bayer Sheet,Europe Distributor:M/S Acryplast Pvt. Ltd.,Shatrunjay plaza, 3rd floor, Near Maruti Showroom,36,S.V.Road, Goregaon(W),Mumbai-400104 Tel: 022-67256262 Email: sales@acryplast.in	Bayer Vivak



(Shailendra Mital) 13/11/08
DGM (Engg.)

Copy to :

1. GM(RS),HO : Item at Sr. No. 1 and 2 above are also subsidy items. Hence required to be conveyed to the Divisional Offices.

INTER OFFICE MEMO

Ref : ENG/20
Dt. 18/11/2008

FOR : STATE ENGG HEADS

FROM : DGM (ENGG) HO

Sub : Guidelines for Laboratories for Testing of Construction Material

Generally testing of construction material whenever required is tested through outside agencies. Since the material is approved or rejected based on the test report, it is necessary that the laboratories that are assigned the testing have impeccable credentials.

It may therefore be ensured that as far as possible the testing of material should be got done through Government Laboratories. In other cases the laboratory should be a Government recognized test house or ISO accredited test house.

Necessary instructions in this regard may be issued to all field Engineers for implementation.


(Shailendra Mital) 18/11/08
DGM (E)

Copy : GM (Engg) / ED (E&P) HO – For kind information

INTER OFFICE MEMO

Ref : ENG/20
Dt. 24/11/2008

FOR : STATE ENGG HEADS

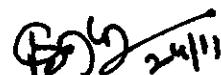
FROM : Executive Director (E&P) HO

Sub : Prevention of fire accidents at Retail Outlets – adherence to good engineering practices.

Recently few cases of electrical fires have been reported at Retail Outlets. Investigations have revealed that few basic issues pertaining to good engineering practices and maintenance have been overlooked. Hence following aspects of electrical works are being reemphasized:

1. Detailed Engineering Drawings showing route of electrical cables and product piping should be prepared and issued to the contractor so as to ensure that the electrical cables are not laid in the piping trench and there are no excessive bends in the pipelines.
2. After sunset, maintenance activities involving product piping and electrical system should only be undertaken under direct supervision.
3. Proper jointing kit should be used for extending the length of cables.
4. Use of screwed pipes must be eliminated. ROs that do not qualify for flexible piping system should have welded pipes in line with policy circular no Eng/20 dt 03.11.2004.
5. Dealers should not be permitted to undertake any repairs of the dispensers themselves and no repairs of the electrical components of the dispensers should be allowed through local electricians.
6. Dealers should also not be permitted to make any unauthorized tapping of power particularly at Pump Island. All unsafe power tapping should be disconnected.
7. Periodical maintenance of electrical system at Retail Outlets must be introduced on priority in line with circular ref. ENG/20 dated 05.12.2007 jointly issued by DGM (RS) and DGM (E), HO.
8. All MPDs need to be compulsorily covered under AMC irrespective of category of RO.

Please ensure that above are scrupulously followed by all the concerned in the field.


(Satwant Singh)
Executive Director (E&P)

Copy:

1. **All State Heads** - for information
2. **Executive Director (RS), HO** – for information. In addition there is a need to issue necessary instructions in the field on the following issues:
 - a. Educating the Dealers about hazards involved in the maintenance of electrical and piping system and they should be advised to issue work permit as per OISD 225.
 - b. Availability of properly designed electrical control panel must be a pre-requisite for all 'B' site ROs before sanctioning MPDs. The electrical system at all 'B' site ROs were costly equipment like MPD are installed must be checked on priority and Dealers advised to carry out necessary rectifications, if required.
 - c. All DRSMs and Field Officers should be advised to ensure that dealers do not provide any unauthorized light or electrical connection near Pump Islands that may endanger safety. All unsafe power tapping should be disconnected.

NOTE:
ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
ANY DISCREPANCY IN THE DRAWINGS MUST BE BROUGHT TO THE NOTICE OF
IOCL BEFORE EXECUTION OF THAT WORK AT SITE.
THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGN
AND ENGINEERING DRAWINGS.

RETAIL OUTLET

INGRESS

DIRECTION SIGN

GREEN

EGRESS

ROAD

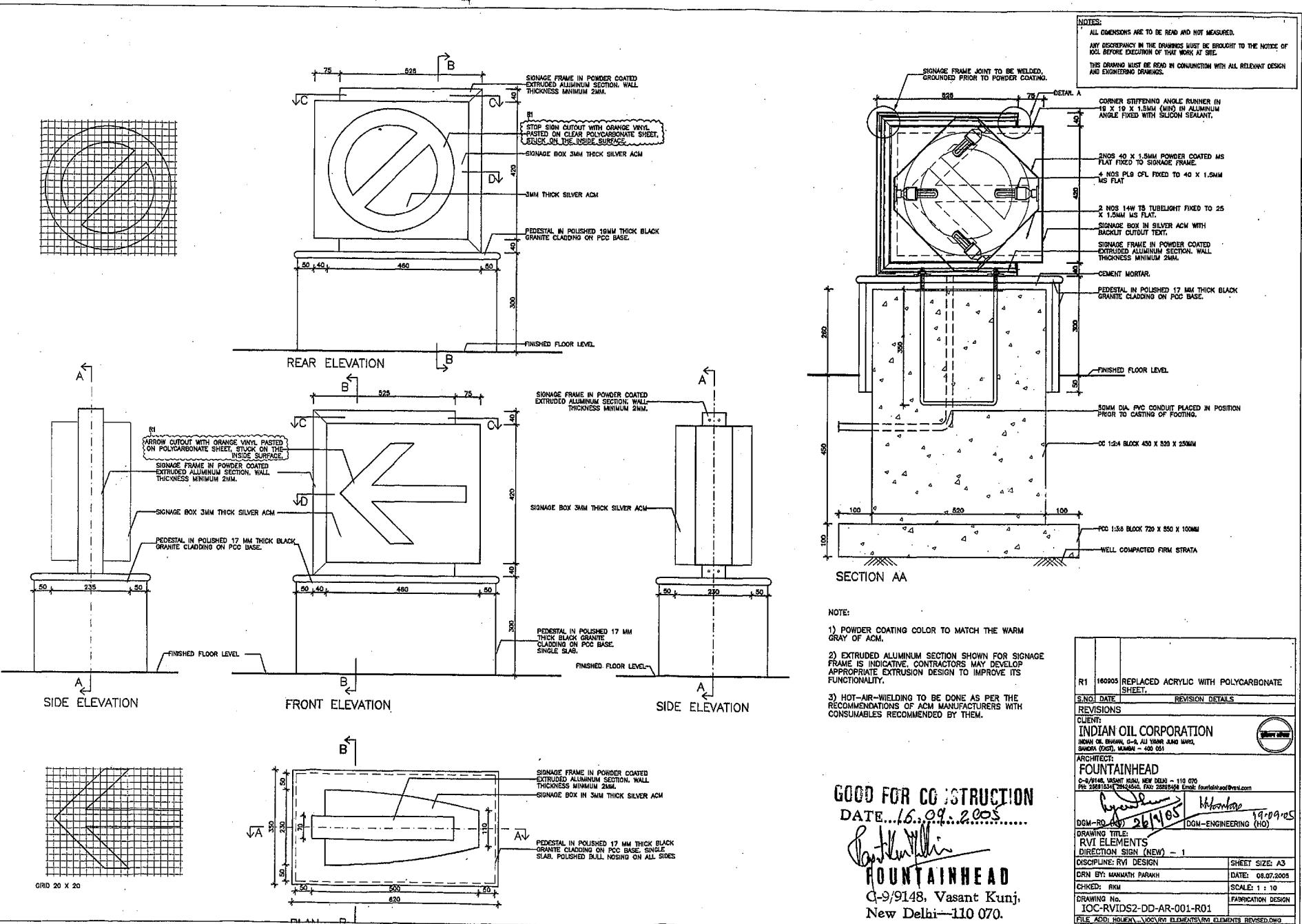
LOCATION PLAN

DIRECTION SIGN

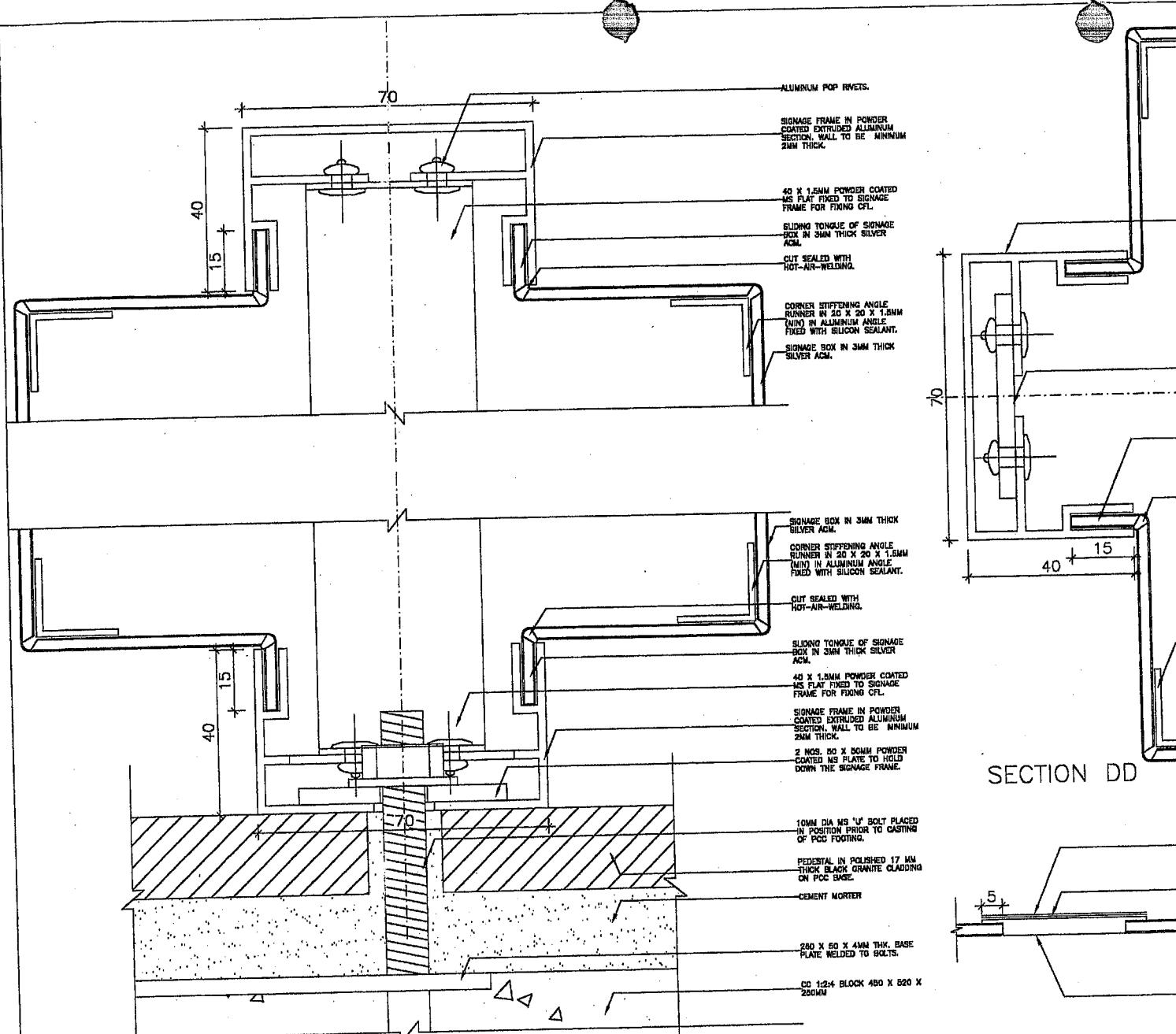
GOOD FOR CONSTRUCTION
DATE 23/07/05

[Signature]
FOUNTAINHEAD
C-9/9148, Vasant Kunj,
New Delhi—110 070.

S.NO.	DATE	REVISION DETAILS
REVISIONS		
CLIENT: INDIAN OIL CORPORATION INDIAN OIL SBUK, C-9, AU YAM JUNG MARG, BAKAR (EAST), DELHI - 110 061		
ARCHITECT: FOUNTAINHEAD C-9/9148, VASANT KUNJ, NEW DELHI - 110 070 Ph: 2689154, 26124610, FAX: 26886152 Email: fountainhead@vsnl.com		
DRAWN BY (HO) 23/7/05 <i>[Signature]</i> <i>W.L.</i> DGM-ENGINEERING (HO) 23/7/05		
DRAWING TITLE: RVI ELEMENTS DIRECTION SIGN (NEW)		
DISCIPLINE: RVI DESIGN SHEET SIZE: A3		
DRN BY: MANMATH PANKH DATE: 22.07.2005		
CHECKED: RKM SCALE: NTS		
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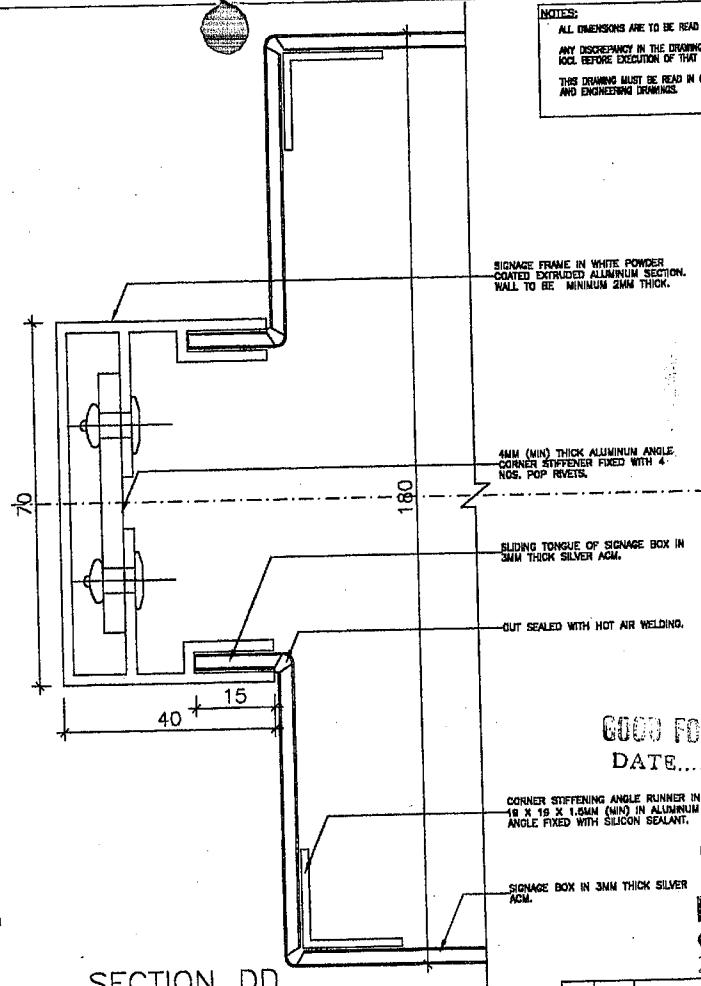


NOTES:
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ANY DISCREPANCY IN THE DRAWINGS MUST BE BROUGHT TO THE NOTICE OF
IOCL BEFORE EXECUTION OF THAT WORK AT SITE.
THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGN
AND ENGINEERING DRAWINGS.



SECTION BB

STANDARD DETAIL FOR
FLUSH BACKLIT AREAS

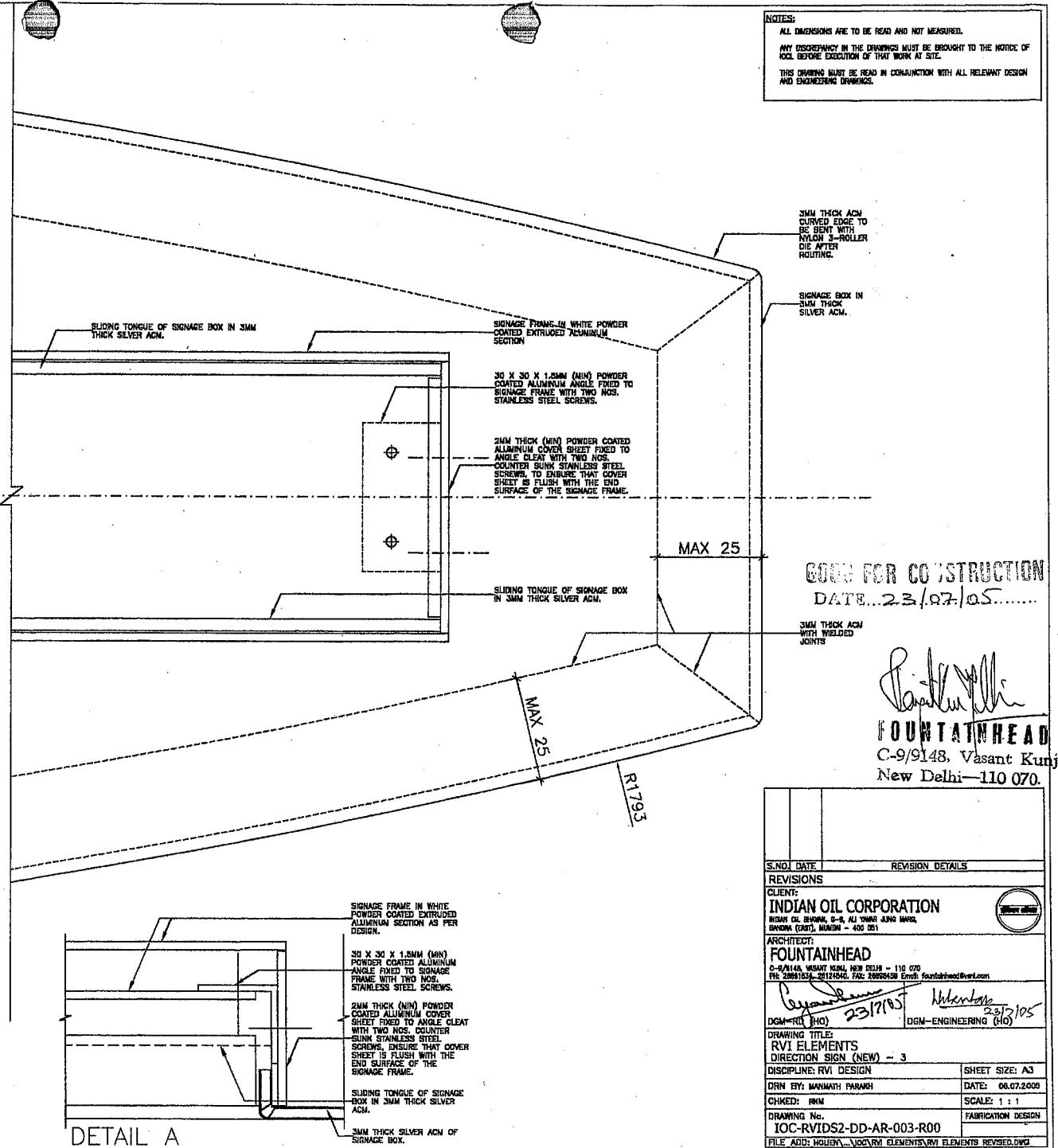
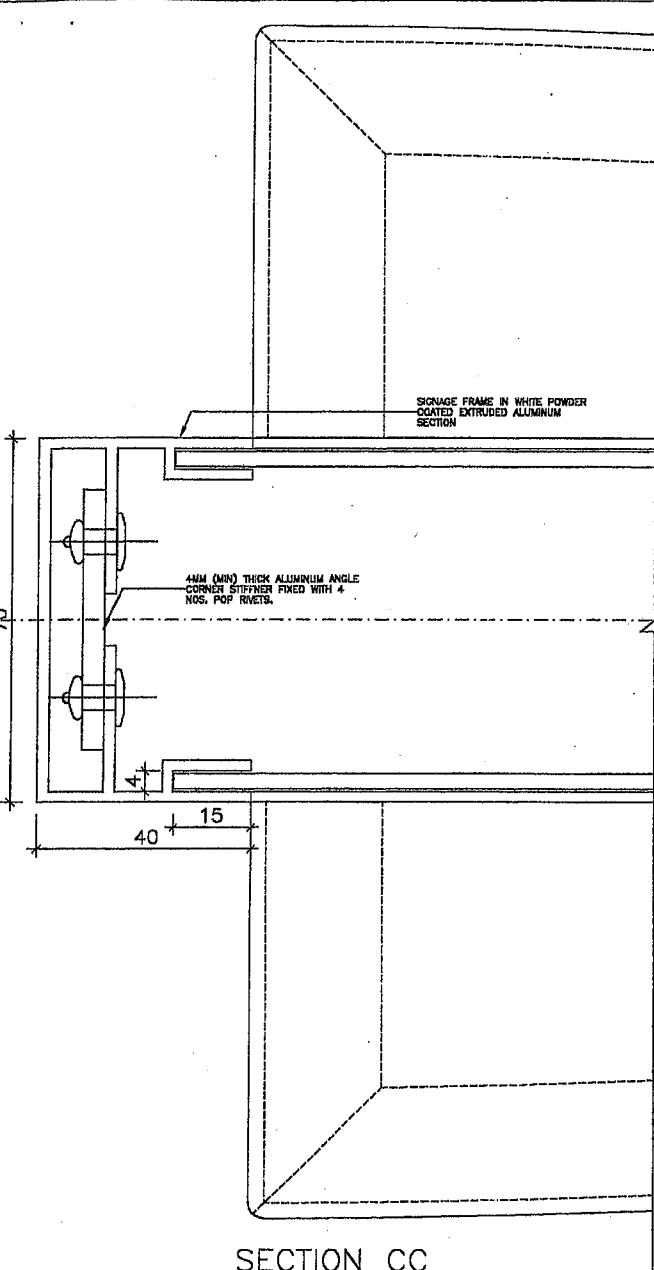


SECTION DD

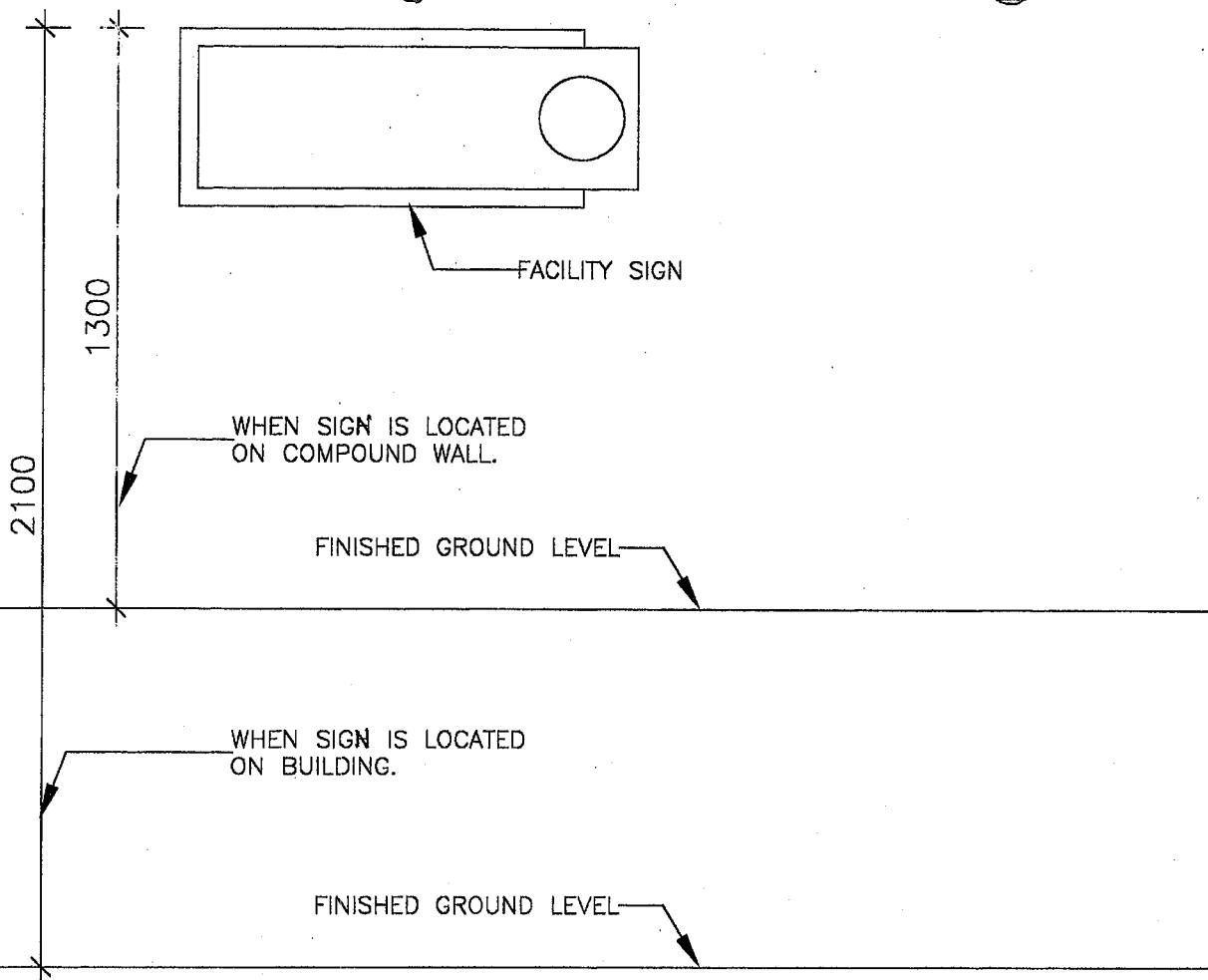
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DATE... 23/07/05

[Signature]
FOUNTAINHEAD
C-9/9148, Vasant Kunj,
New Delhi - 110 070.

S.NO.	DATE	REVISION DETAILS
REVISIONS		
CLIENT: INDIAN OIL CORPORATION INDIAN OIL BHAWAN, 6-8, AL YAMM JUNG MAID, BANDRA (EAST), MUMBAI - 400 051		
ARCHITECT: FOUNTAINHEAD C-9/9148, VASANT KUNJ, NEW DELHI - 110 070 Ph: 2668154, 26114540, Fax: 26686450 Email: fountainhead@vsnl.com		
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NOTES:
ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
ANY DISCREPANCY IN THE DRAWINGS MUST BE BROUGHT TO THE NOTICE OF
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THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGN
AND ENGINEERING DRAWINGS.



LOCATION REFERENCE

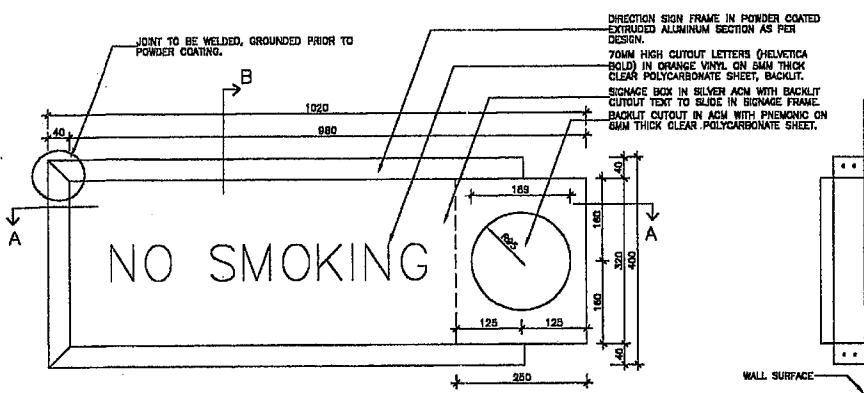
FACILITY SIGN

GOOD FOR CONSTRUCTION
DATE.....23/07/05.....

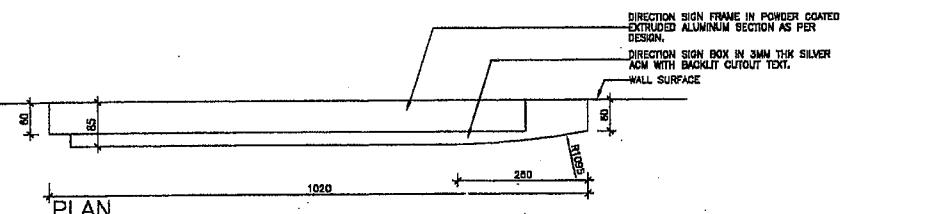
[Signature]
FOUNTAINHEAD
C-9/9148, Vasant Kunj,
New Delhi—110 070.

S.NO.	DATE	REVISION DETAILS
REVISIONS		
CLIENT:		
INDIAN OIL CORPORATION		
		INDIAN OIL CORPORATION INDIAN OIL BHAWAN, C-9, AU YASIR JUNG MARG, BHARAT (ESTD), NEW DELHI - 110 070 PHONE: 26961534, 26124500, FAX: 26966458 Email: fountainhead@vsnl.com
ARCHITECT:		
FOUNTAINHEAD		
		C-9/9148, VASANT KUNJ, NEW DELHI - 110 070 PHONE: 26961534, 26124500, FAX: 26966458 Email: fountainhead@vsnl.com
DGM-RV (HO)	23/7/05	<i>[Signature]</i> 23/7/05 DGM-ENGINEERING (HO)
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RV ELEMENTS		
FACILITY SIGN (NEW)		
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IOC-RVIFS2-DD-AR-CVR-R00		

NOTES:
1) ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
ANY DISCREPANCY IN THE DRAWINGS MUST BE BROUGHT TO THE NOTICE OF
IOCL BEFORE EXECUTION OF THAT WORK AT SITE.
THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGN
AND ENGINEERING DRAWINGS.



FRONT ELEVATION



SIDE ELEVATION

FRONT ELEVATION - CONSTRUCTION

NOTE:
1) TEXT SHOWN ON THE SIGNAGE BOX IS INDICATIVE OF ITS LOCATION.

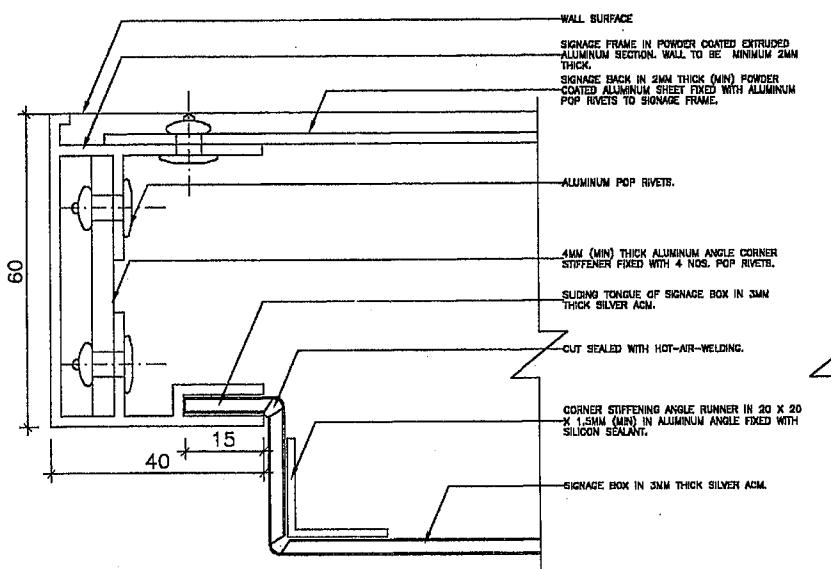
2) THIS ELEMENT TO BE PREPARED FOR THE FOLLOWING SIGNS:
A. NO SMOKING.
B. TOILET.
C. WATER.
D. AIR.
E. PARKING
OR AS DIRECTED BY IOCL

3) ALL ART WORKS FOR PNEUMONIC AND ANY OTHER GRAPHICS SHALL BE PROVIDED BY IOCL SEPARATELY IN SOFT FORMAT. NO CONTRACTOR TO DEVELOP THESE PNEUMONIC AT HIS END.

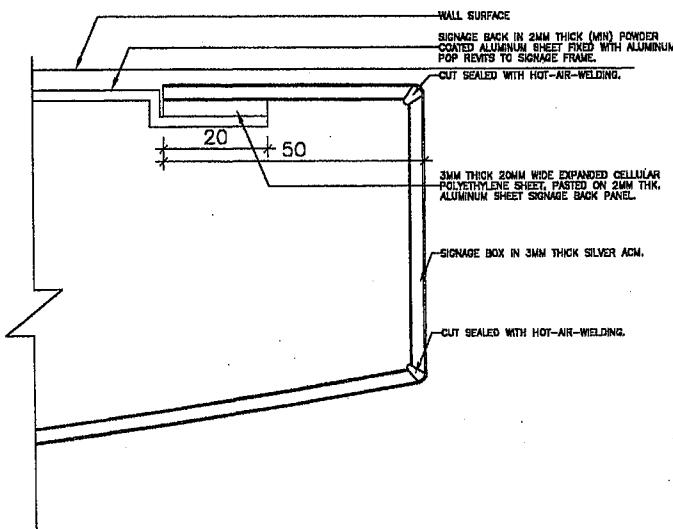
4) POWDER COATING COLOR TO MATCH THE WARM GRAY OF ACM.

5) EXTRUDED ALUMINUM SECTION SHOWN FOR SIGNAGE FRAME IS INDICATIVE. CONTRACTORS MAY DEVELOP APPROPRIATE EXTRUSION DESIGN TO IMPROVE ITS FUNCTIONALITY.

6) HOT-AIR-WELDING TO BE DONE AS PER THE RECOMMENDATIONS OF ACM MANUFACTURERS WITH CONSUMABLES RECOMMENDED BY THEM.



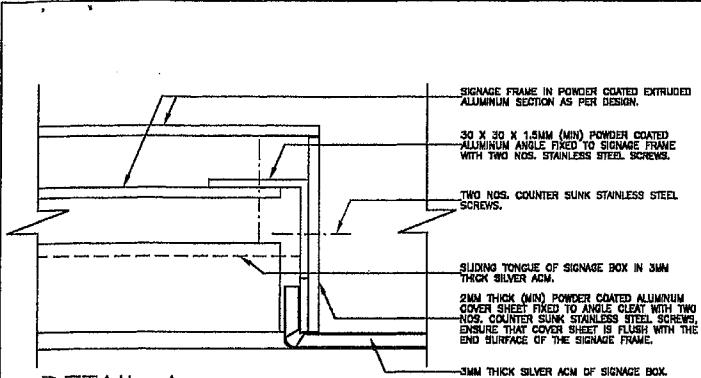
SECTION AA



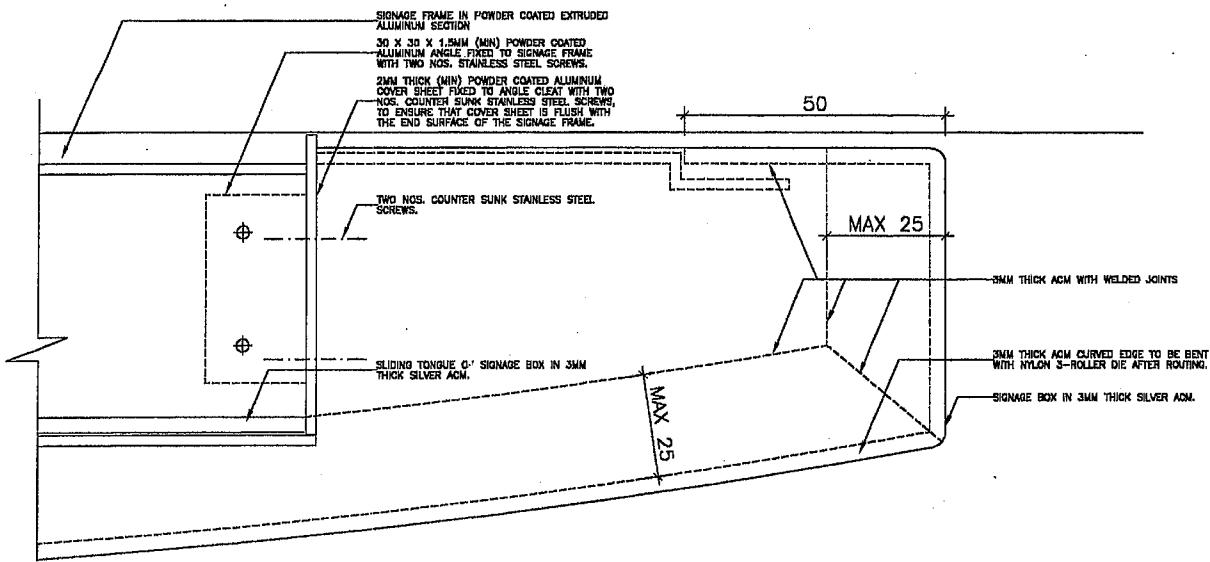
S.N.O	DATE	REVISION DETAILS
REVISIONS		
CLIENT:		
INDIAN OIL CORPORATION		
INDIAN OIL CORPORATION, C-9, AJYAB JUNG MARG, NEW DELHI-110 070, INDIA - 100 001		
ARCHITECT:		
FOUNTAINHEAD		
O-4/114, VASANT KUNJ, NEW DELHI - 110 070 Ph: 26861534, 26124040, Fax: 26860450 Email: fountainhead@vsnl.com		
DGM-HQ (HO)	23/07/05	DGM-ENGINEERING (HO)
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RVI ELEMENTS		
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CKED: RKM		SCALE: 1:10
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IOC-RVIFS2-DD-AR-001-R00		
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GOOD FOR CONSTRUCTION
DATE.. 23/07/05 ..

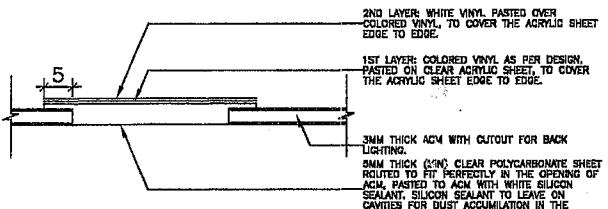
FOUNTAINHEAD
C-9/1148, Vasant Kunj,
New Delhi-110 070.



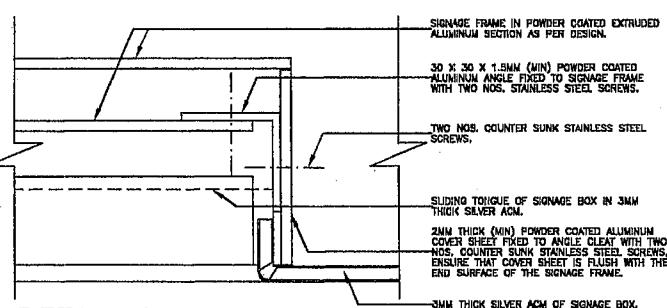
DETAIL A



PART SECTION C



STANDARD DETAIL FOR FLUSH BACKLIT AREAS



DETAIL A

NOTES:

ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.

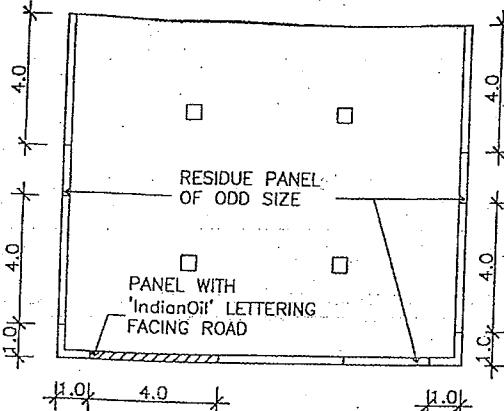
ANY DISCREPANCY IN THE DRAWINGS MUST BE BROUGHT TO THE NOTICE OF KCL BEFORE EXECUTION OF THAT WORK AT SITE.

THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGN AND ENGINEERING DRAWINGS.

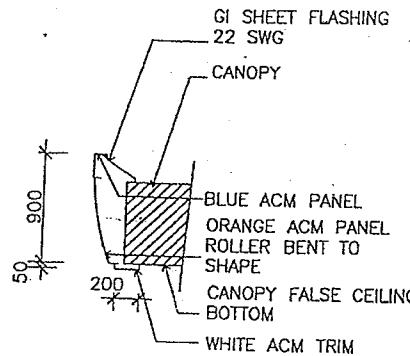
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DATE... 23/07/05

FOUNTAINHEAD
C-9/9148, Vasant Kunj,
New Delhi-110 070.

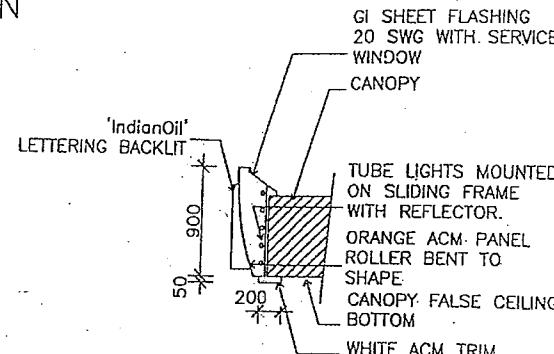
S.NO	DATE	REVISION DETAILS
REVISIONS		
CLIENT: INDIAN OIL CORPORATION		
INRAH OF REHMAN, G-8, ALI YAHYA JUNG MARC, BANDRA (WEST), MUMBAI - 400 051		
ARCHITECT: FOUNTAINHEAD		
C-6/814A, VASANT KUNJ, NEW DELHI - 110 070 Ph: 2681343, 2673454, Fax: 2683043; Email: fountainhead@vsnl.com		
  DGM-HO 23/7/05 23/7/05 DGM - ENGINEERING (HO)		
DRAWING TITLE: RVI ELEMENTS		
FACTORY SIGN (NEW) - CONSTRUCTION DETAILS - 2		
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DRN BY: MANOHAR PARASHAR		DATE: 02.07.2005
CH-KED: RWK		SCALE: 1 : 1
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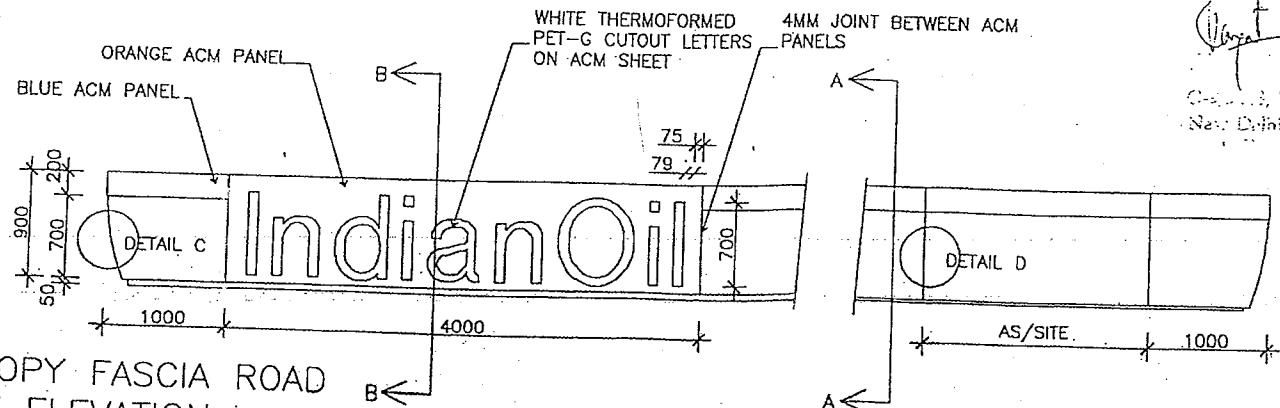
SCHEMATIC CANOPY PLAN



SECTION AA



SECTION BB



CANOPY FASCIA ROAD
SIDE ELEVATION

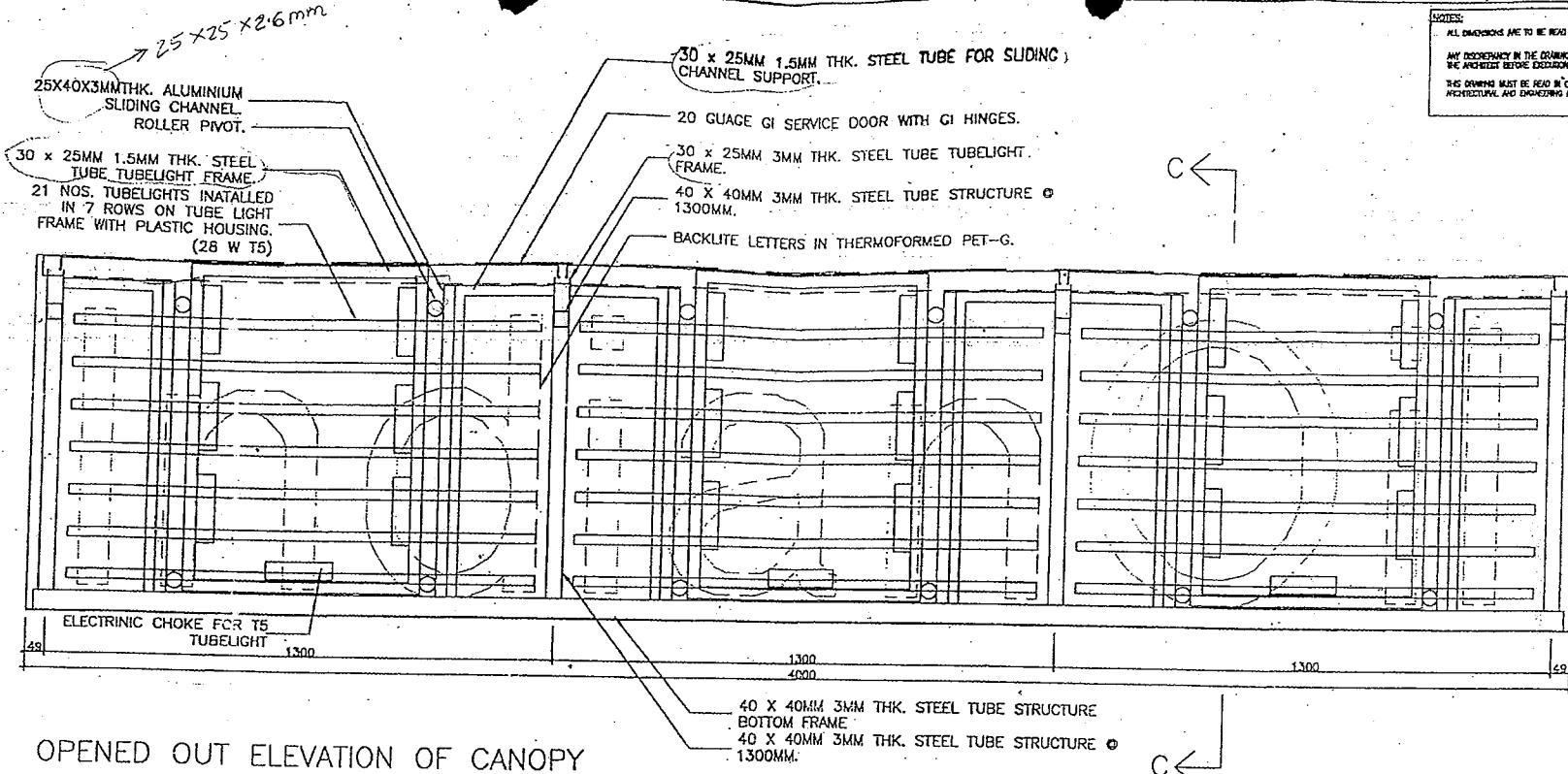
NOTES:
ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
ANY INFORMATION IN THE DRAWINGS MUST BE PROUDCT TO THE NOTICE OF
THE APPROVED BEFORE EXECUTION OF THAT WORK AT SITE.
THE DRAWINGS MUST BE READ IN CONNECTION WITH ALL RELEVANT
ACCOMMODATION AND OPERATING INSTRUCTIONS.

NOTE:
REFER DRAWINGS NO.
IOC-RVIURB-DD-AR-013-R.,
IOC-RVIURB-DD-AR-014-R.,
IOC-RVIURB-DD-AR-015-R.,
IOC-RVIURB-DD-AR-016-R.,
IOC-RVIURB-DD-AR-TP1-R.,
FOR DETAILED SECTION OF
CANOPY FASCIA.

*Annexure to letter of B.T.G./RVI/05/07/04
18/07/04
10/07/04*

A. K. GUPTA
CHIEF ENGINEERING MANAGER
INDIAN OIL CORPORATION LTD.
G-9, ALIYAVAR MARG,
BANDRA (E), MUMBAI - 400 051

S.NO	DATE	REVISION DETAILS
REVISIONS		
CLIENT: INDIAN OIL CORPORATION Plot No. 4-A, Al Yashin Jang Marg, Bawali, Bandra (E), Mumbai - 400 051		
ARCHITECT: FOUNTAINHEAD C-101/04, Wright Hall Marg, Khar - 400 071		
ENG. CONSULTANT:		
STATION NAME & ADDRESS:		
DRAWING TITLE: RVI ELEMENTS CANOPY FASCIA		
DISCIPLINE: RVI ELEMENTS		
DRW BY: NAWROT PANKAJ ZAF	DATE: 15.04.2004	DESIGN:
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FILE ADD: HODKA - VSP/VM ELEMENTS/VM ELEMENTS PERIODIC		

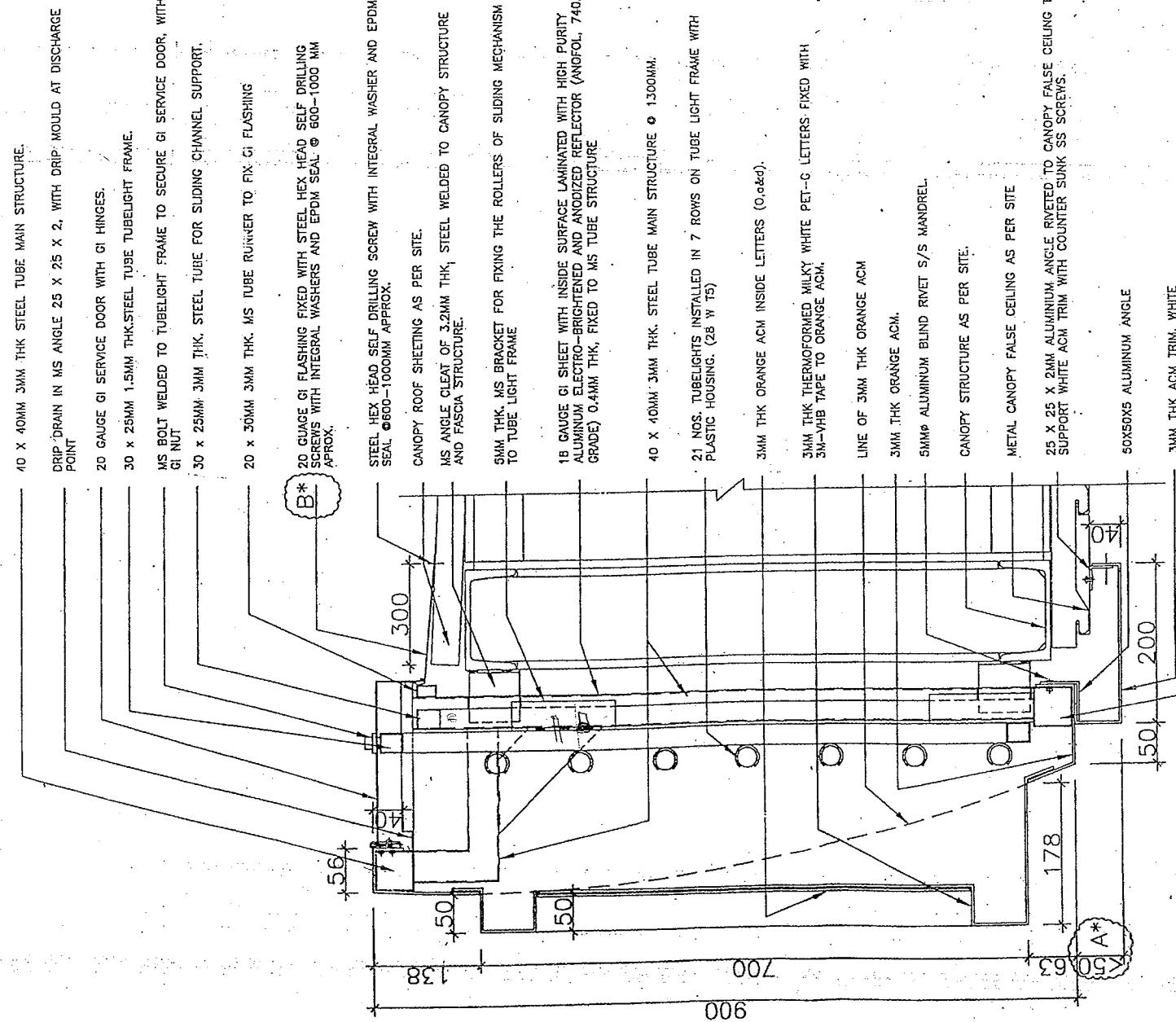


OPENED OUT ELEVATION OF CANOPY
FASCIA PANEL WITH 'Indianoil' LETTERS.

*Annexure to letter ref. 01/01/2014
dt 18/03/04 A. K. GUPTA*
CHIEF ENGINEERING MANAGER
INDIAN OIL CORPORATION LTD.
G-9, ALIYAVAR MARG,
BANDRA (E), MUMBAI - 400 051

*C-101/3, Vasant Vihar,
New Delhi-110071.*

S.NO	DATE	REVISION DETAILS
REVISIONS		
CLIENT: INDIAN OIL CORPORATION		
POWDER BANK, G-9, AJ YATI AND KAYA, BANDRA (E), MUMBAI - 400 051		
ARCHITECT: FOUNTAINHEAD		
C-101/3, VASANT VIHAR, NEW DELHI - 110 070 T: 011-2681534, M: 9810050454 Email: fountainhead@vsnl.com		
ENGg. CONSULTANT:		
STATION NAME & ADDRESS:		
DRAWING TITLE: CANOPY FASCIA DETAILS		
BRANDED PANEL		
DISCIPLINE: FMT DESIGN		
DRAWN BY: MANOHAR PARWATI DPL	DATE: 18.04.2004	SCALE: 1:1
CHESED: PMU		
DRAWING NO.: 100-RVTURB-DD-AR-013-R01	DESIGN	
FILE ADD: HOUKA\VSVM ELEMENTS\VM ELEMENTS\VSVM.DWG		



20 x 30MM 3MM THK. MS TUBE RUNNER

3MM THK ACM PANEL, BLUE

20 GAUGE GI FLASHING FIXED WITH STEEL HEX HEAD SCREWS WITH INTEGRAL WASHERS AND EPDM SEAL APPROX 600-1000 MM

MS ANGLE CLEAT OF 3.2MM THK. STEEL WELDED TO CANOPY STRUCTURE AND FASCIA STRUCTURE.

STEEL HEX HEAD SELF DRILLING SCREW WITH INTEGRAL WASHER AND EPDM SEAL Ø6000-1000MM APPROX.

CANOPY ROOF SHEETING AS PER SITE
25' X 25' TUF TUF VS TUFF

50X50X5 ALUMINUM ANGLE

אַתָּה תִּשְׁמַע אֱלֹהִים וְיִשְׁמַע אֶת־בְּנֵי־יִשְׂרָאֵל

3MM IRR. ACM. ORANGE

卷之三

NETW MEMORY CAN BE QUANTUM

25 X 25 X 2MM ALUMINUM ANGLE, RIVETED TO CANOPY FALSE CEILING TO SUPPORT

50X50X5 ALUMINUM ANGEL

**TYPICAL SECTION THROUGH CANOPY
FASCIA**

NOTES:
ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
ANY DISCREPANCY IN THE DRAWINGS MUST BE BROUGHT TO THE NOTICE OF
THE ARCHITECT BEFORE EXECUTION OF THAT WORK AT SITE.
THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT
ARCHITECTURAL AND ENGINEERING DRAWINGS.

NOTE:
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FABRICATORS/CONVERTERS MAY CHOOSE TO
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REQUIREMENTS/LIMITATIONS OF THEIR
FABRICATION PROCESS OR EQUIPMENTS,
WITHOUT EFFECTING ANY CHANGE IN THE
LOOKS OR THE CONVENIENCE OF THE
SIGNAGE ELEMENTS.

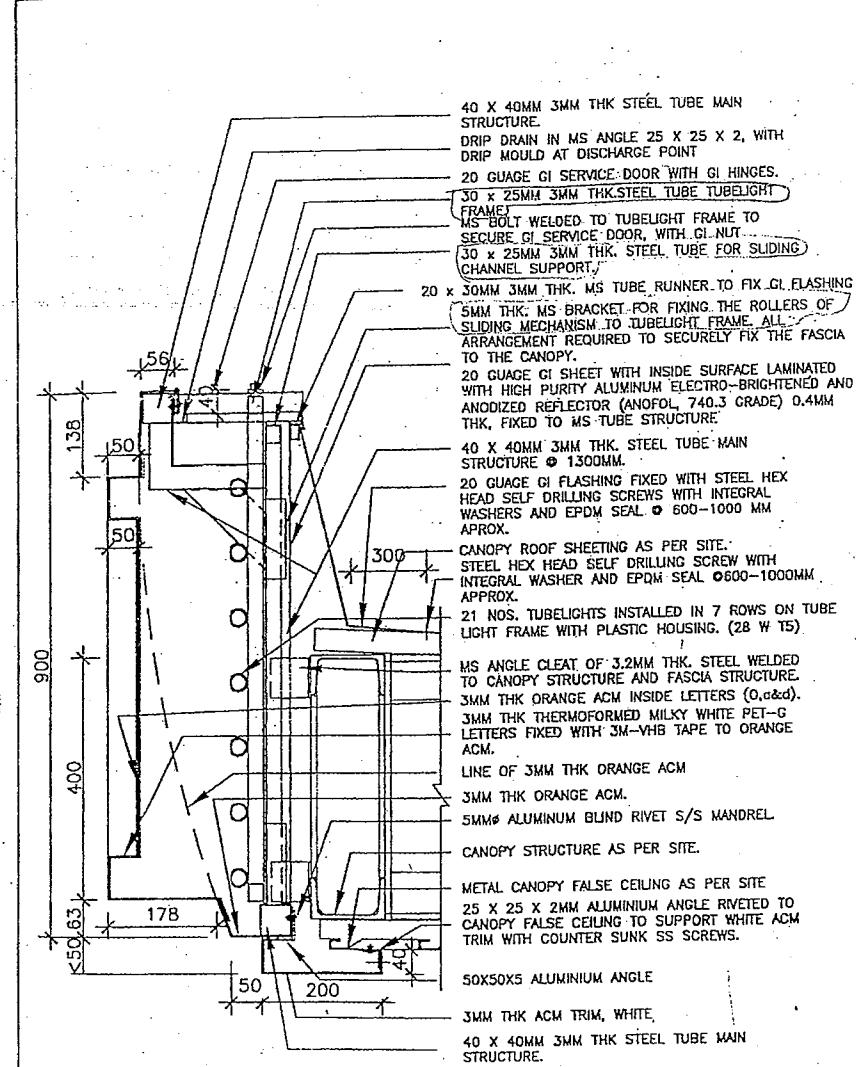
DIMENSION AT A* TO BE MINIMUM 50 MM
AND TO BE ADJUSTED AS PER SITE
CONDITION TO ENSURE MINIMUM SLOPE OF
1 : 5 FOR GI FLASHING BETWEEN CANOPY
AND CANOPY FASCIA AT B*.

Anneature to letter ref.
EEG/PML DTD. 17/09/04

A. K. GUPTA
SEF ENGINEERING MANAGER
AN OIL CORPORATION LTD.
G-9, ALIYAVAR MARG,
DRA (E), MUMBAI - 400 051

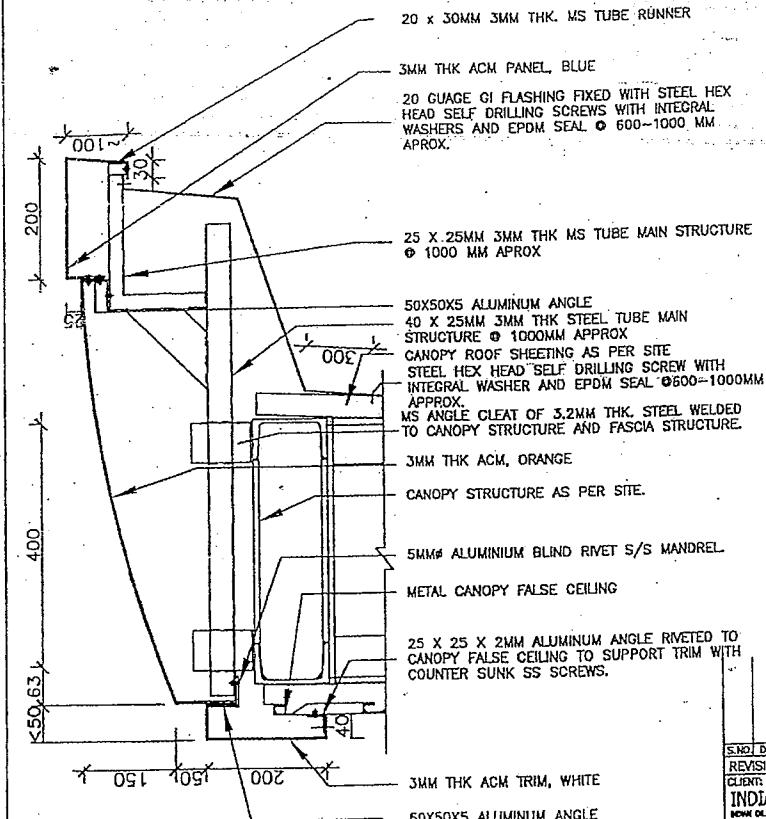
C-9/9148, Vasant Kunj,
New Delhi-110070.

R2	60604	NOTES ADDED
S.NO	DATE	REVISION DETAILS
REVISIONS		
CLIENT: INDIAN OIL CORPORATION BOMBAY PETROLEUM, B-8, ALI TANH JANG KARY, MUMBAI - 400 001 (INDIA) (02 22)		
ARCHITECT: FOUNTAINHEAD C-IV/16, WORLI SEAWALL, MUMBAI - 400 070 MOBILE: 98222 22222, E-MAIL: fountainhead@rediffmail.com		
ENGG. CONSULTANT:		
STATION NAME & ADDRESS:		
DRAWING TITLE: CANOPY FASCIA NON LIT -- DETAIL SECTIONS		
DISCIPLINE: RVI DESIGN		
DRW BY:	MAMATHI PAVANI	DATE: 15.04.2004
CHCKD:	PNM	SCALE: 1:1
DRAWMN. NO.:	DETAIL DESIGN	
IOC-RVIIU-BD-DD-AR-015-R02		
FILE ADD: HOLDA - VCEVM ELEMENTARY BUILDINGS REVERSED.DWG		



SECTION CC

NOTES:
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TYPICAL SECTION THROUGH CANOPY FASCIA

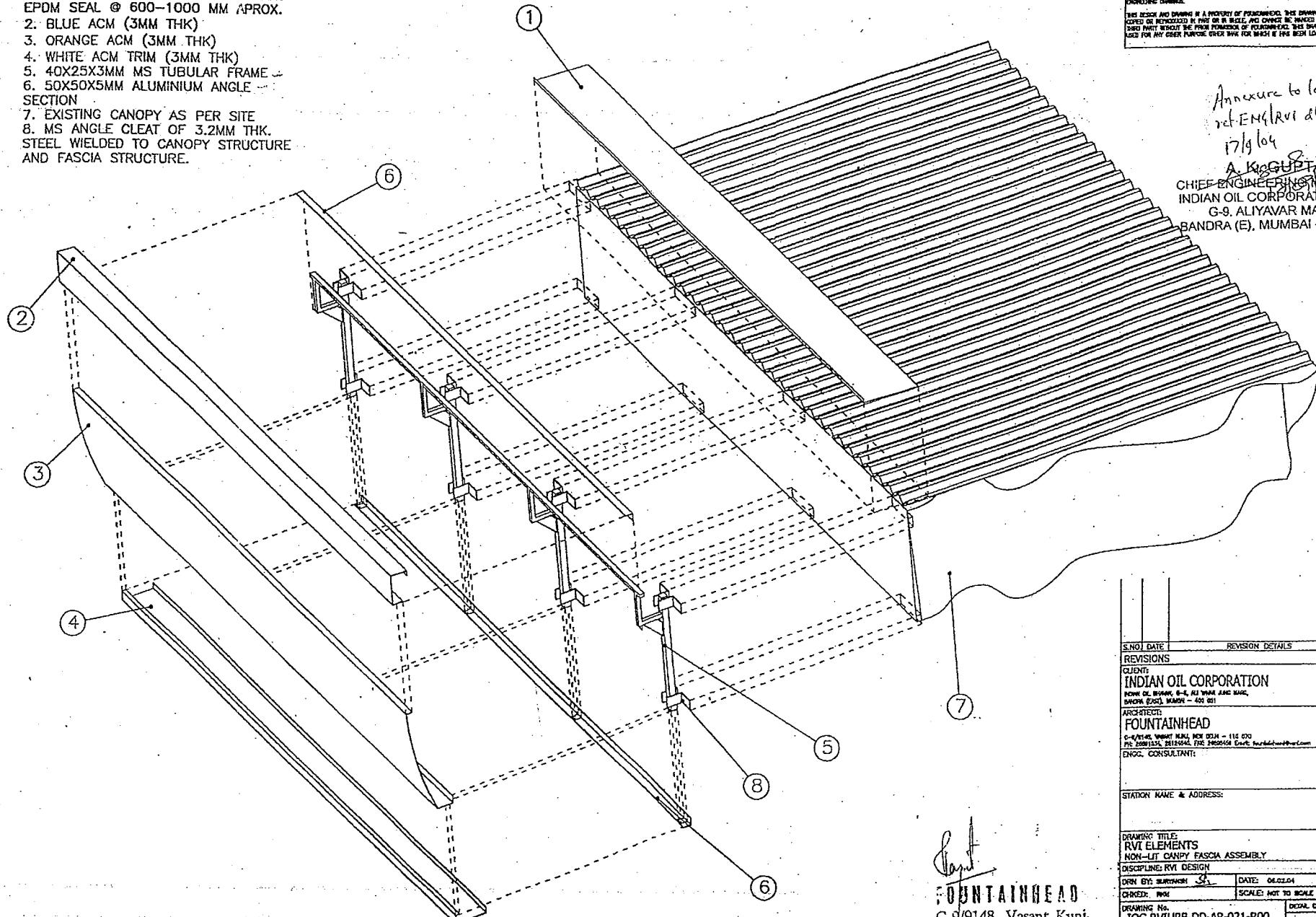
NOTE:
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FABRICATORS/CONVERTERS MAY CHOOSE TO ALTER DETAILS TO MEET THE REQUIREMENTS/LIMITATIONS OF THEIR FABRICATION PROCESS OR EQUIPMENTS, WITHOUT EFFECTING ANY CHANGE IN THE LOOKS OR THE CONVENIENCE OF THE SIGNAGE ELEMENTS.

Annexure to letter
ref. EN4/PUI dt. 17/9/04
A.S./S
17/9/04

A. K. GUPTA
CHIEF ENGINEERING MANAGER
INDIAN OIL CORPORATION LTD.
G-9, ALIYAVAR MARG,
BANDRA (E), MUMBAI - 400 051

S.NO	DATE	REVISION DETAILS
REVISIONS		
CLIENT:		
INDIAN OIL CORPORATION PLOT NO. 10, JAWAHAR PARK, SECTOR 10, Noida, UP - 201 301		
ARCHITECT:		
FOUNTAINHEAD C-4114, WORKS, SECTOR 10, Noida - 201 304 PA: RAHUL GUPTA, FA: SURESH CHAUHAN		
ENG'D. CONSULTANT:		
STATION NAME & ADDRESS:		
DRAWING TITLE: CANOPY FASCIA DETAILED SECTIONS		
DISCIPLINE: E&I DESIGN		
DRA. BY:	MAMTA PANDAY	DATE: 18.04.2004
CHEK'D. BY:		SCALE: 1:4
APPROVED BY:		DETAIL DESIGN
DRAWING NO.: IOC-RVURB-DD-AR-016-R01		
PRE. ADD: INDEX - 1000 ELEMENTS/VM ELEMENTS REVISED		

1. 18 GUAGE GI FLASHING FIXED WITH STEEL HEX HEAD SELF DRILLING SCREWS WITH INTEGRAL WASHERS AND EPDM SEAL @ 600-1000 MM APROX.
2. BLUE ACM (3MM THK)
3. ORANGE ACM (3MM THK)
4. WHITE ACM TRIM (3MM THK)
5. 40X25X3MM MS TUBULAR FRAME
6. 50X50X5MM ALUMINIUM ANGLE SECTION
7. EXISTING CANOPY AS PER SITE
8. MS ANGLE CLEAT OF 3.2MM THK. STEEL WELDED TO CANOPY STRUCTURE AND FASCIA STRUCTURE.



NOTES:
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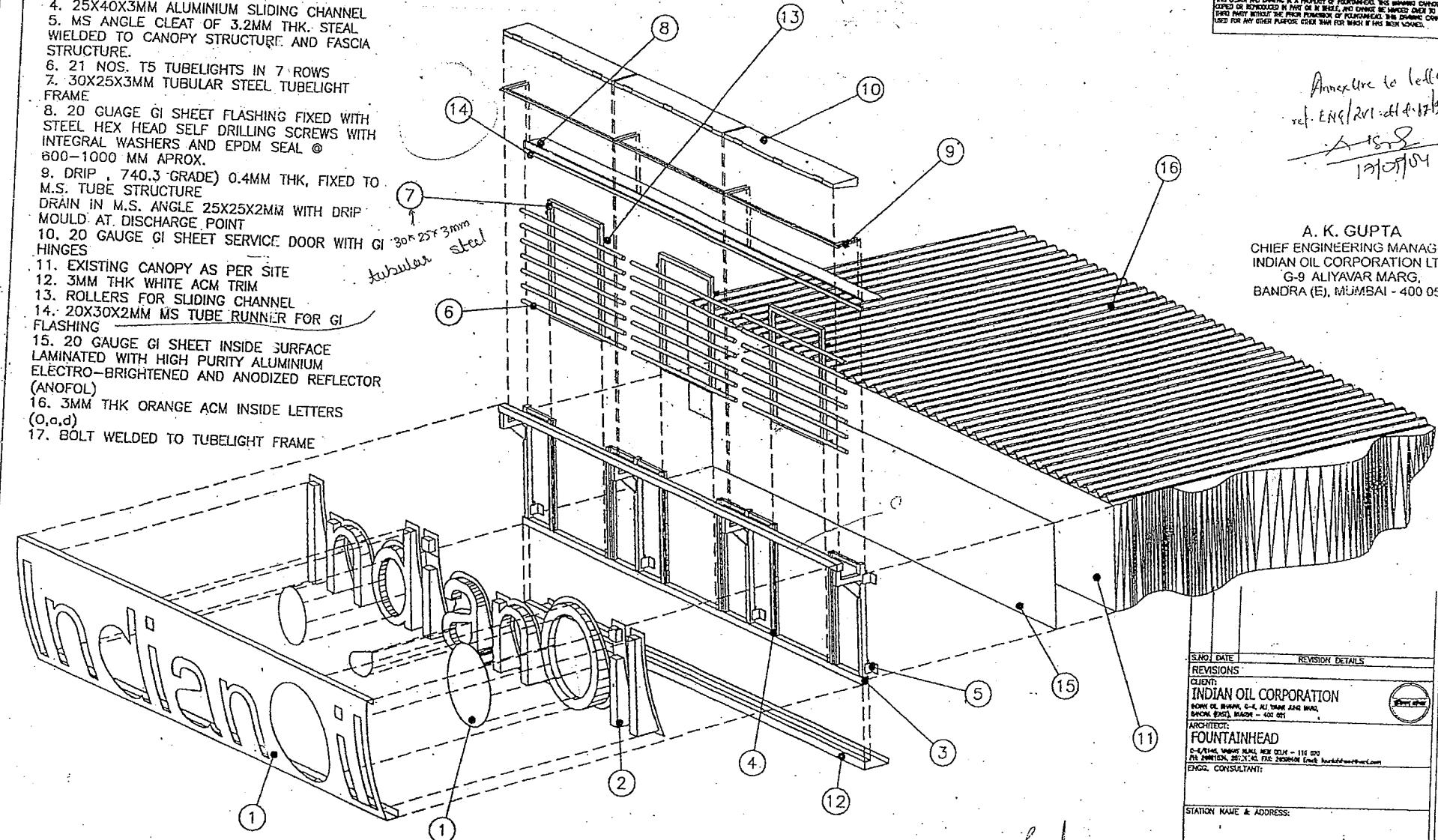
Annexure to letter
ref.ENG/RVI dtd:
17/9/04

A. K. GUPTA
CHIEF ENGINEERING MANAGER
INDIAN OIL CORPORATION LTD.
G-9, ALIYAVAR MARG,
BANDRA (E), MUMBAI - 400 051

S.NO	DATE	REVISION DETAILS
REVISIONS		
CLIENT: INDIAN OIL CORPORATION POW. OIL BLDG., G-9, ALI YAVAR MARG, BANDRA (E), MUMBAI - 400 051		
ARCHITECT: FOUNTAINHEAD C-9/9148, VASANT KUNJ, NEW DELHI - 110 070 PH: 26981531, 26154046, FAX: 26986566 Email: fountainhead@vsnl.com		
ENGG. CONSULTANT:		
STATION NAME & ADDRESS:		
DRAWING TITLE: RVI ELEMENTS NON-LIT CANOPY FASCIA ASSEMBLY		
DISCIPLINE: RVI DESIGN		
DRW BY:	SURYANARAYAN	DATE: 06/02/04
CHEKED:	PNK	SCALE: NOT TO SCALE
DRAWING NO:	IOC-RVIRUB-DD-AR-021-R00	DECAL DODCH
FILE ADD:	IOC/RVI ELEMENTS/NOV/04/04/04 CANOPY FASCIA	

[Signature]
FOUNTAINHEAD
C-9/9148, Vasant Kunj,
New Delhi - 110 070.

1. 3MM THK ACM ORANGE
2. 3MM THK THERMOFORMED WHITE PET-G LETTERS FIXED WITH 3M-VHB TAPE TO ORANGE ACM
3. 40X40X3MM STEEL TUBE STRUCTURE AS PER DETAIL
4. 25X40X3MM ALUMINIUM SLIDING CHANNEL
5. MS ANGLE CLEAT OF 3.2MM THK. STEEL WELDED TO CANOPY STRUCTURE AND FASCIA STRUCTURE.
6. 21 NOS. T5 TUBELIGHTS IN 7 ROWS
7. 30X25X3MM TUBULAR STEEL TUBELIGHT FRAME
8. 20 GAUGE GI SHEET FLASHING FIXED WITH STEEL HEX HEAD SELF DRILLING SCREWS WITH INTEGRAL WASHERS AND EPDM SEAL @ 600-1000 MM APROX.
9. Drip (740.3 GRADE) 0.4MM THK, FIXED TO M.S. TUBE STRUCTURE
10. DRAIN IN M.S. ANGLE 25X25X2MM WITH Drip MOULD AT DISCHARGE POINT
11. EXISTING CANOPY AS PER SITE
12. 3MM THK WHITE ACM TRIM
13. ROLLERS FOR SLIDING CHANNEL
14. 20X30X2MM MS TUBE RUNNER FOR GI FLASHING
15. 20 GAUGE GI SHEET INSIDE SURFACE LAMINATED WITH HIGH PURITY ALUMINIUM ELECTRO-BRIGHTENED AND ANODIZED REFLECTOR (ANOFOL)
16. 3MM THK ORANGE ACM INSIDE LETTERS (O,a,d)
17. BOLT WELDED TO TUBELIGHT FRAME

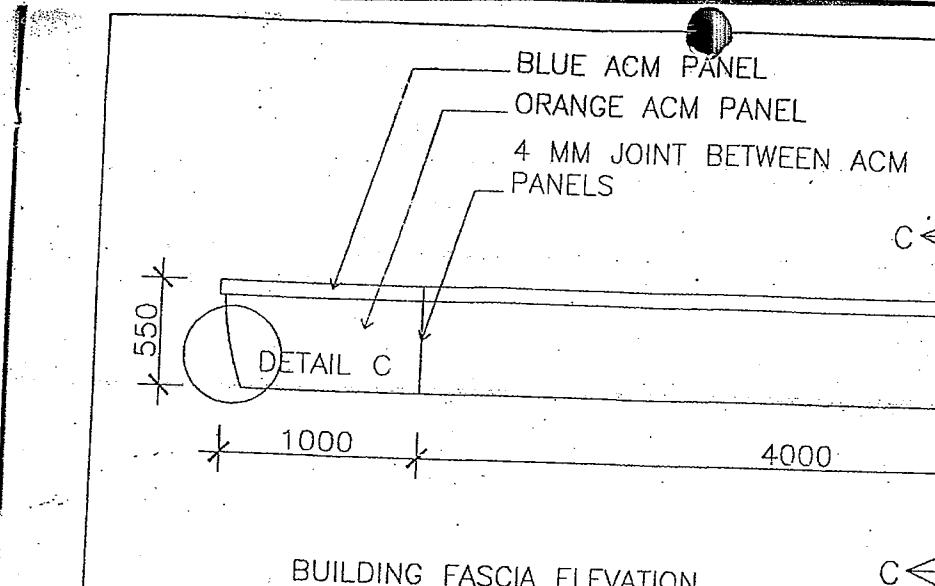


NOTES:
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A. K. GUPTA
CHIEF ENGINEERING MANAGER
INDIAN OIL CORPORATION LTD
G-9 ALIYAVAR MARG,
BANDRA (E), MUMBAI - 400 051

S/N	DATE	REVISION DETAILS	
REVISIONS			
CLIENT: INDIAN OIL CORPORATION BOMBAY, G-9, ALIYAVAR MARG, BANDRA (E), MUMBAI - 400 051			
ARCHITECT: FOUNTAINHEAD C-9/9148, VASANT KUNJ, NEW DELHI - 110 070			
ENG'D. CONSULTANT:			
STATION NAME & ADDRESS:			
DRAWING TITLE: RVI ELEMENTS BACKLIT FASCIA ASSEMBLY			
DESCRIBING RVI DESIGN			
DRAWING BY	DESIGNER	DATE	REVISION
RECHECKED	APPROVED	SCALE	NOT TO SCALE
DRAWING NO.		DETAIL DESIGN	
IOCI-RVIURB-DD-AR-022-R00			
FILE ADD: HOUHEN - DRAWING ELEMENTS FOR BACKLIT FASCHING			



RESIDUE PANE

NOTES:
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THE ARCHITECT BEFORE DISCUSSION OF THAT WORK AT SITE.
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ARCHITECTURAL AND ENGINEERING DRAWINGS.

BUILDING FASCIA ELEVATION

C

TYPICAL SECTION THROUGH BUILDING FASCIA

BLUE ACM PANE

GI FLASHING

SINTEL ENGINEERING MANAGERS
INDIA LTD.
INDIAN OIL CORPORATION LTD.
G-9 ALIYAVAR MARG,
BANDRA (E), MUMBAI - 400 051.

ORANGE ACM PANFI

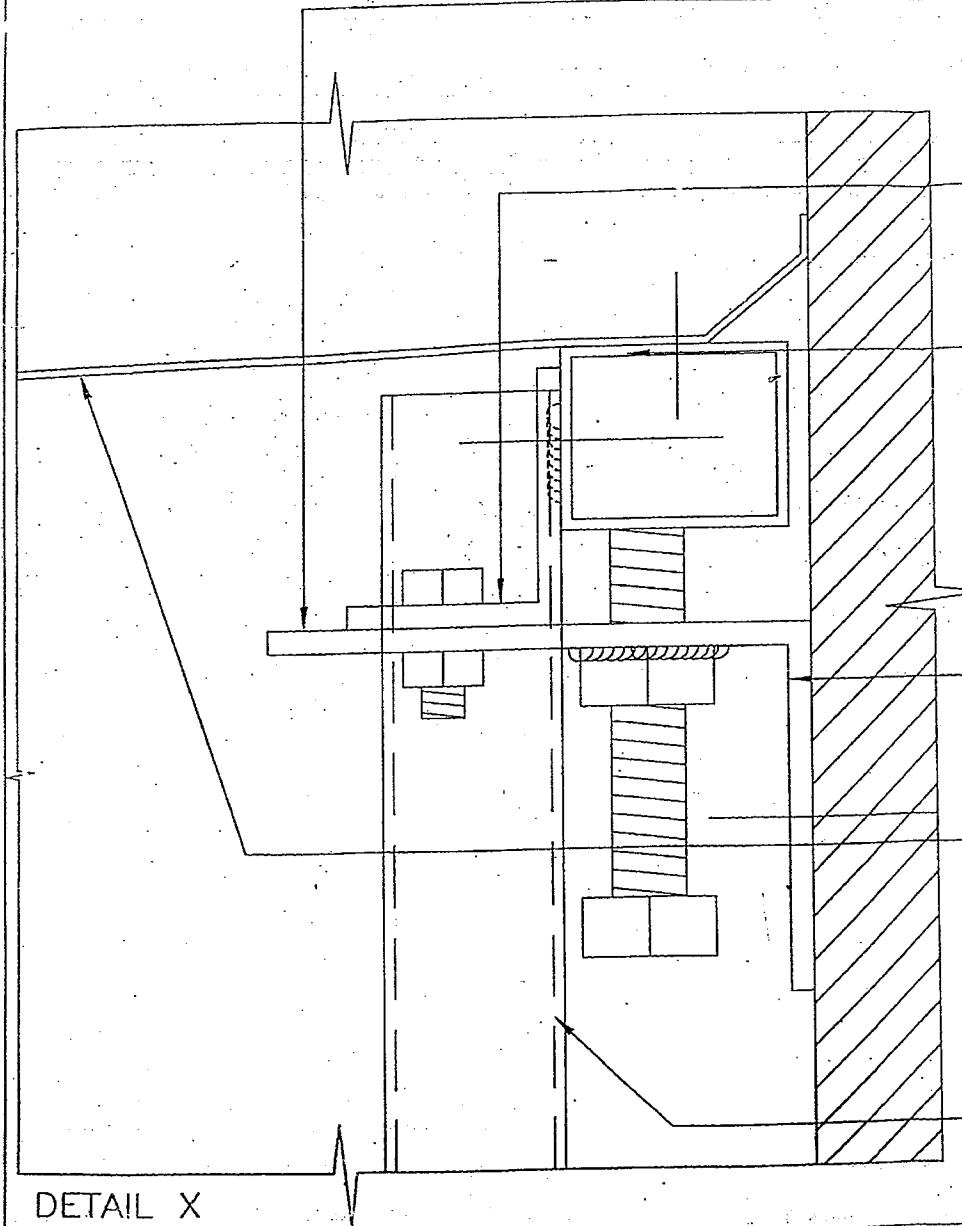
SECTION C

Annexture to letter ref. ENGL/RIV
dtd: 17/9/04

		1. SECTION THROUGH BUILDING ADDED.									
S.N.O	DATE	REVISION DETAILS									
REVISIONS											
CLIENT:											
INDIAN OIL CORPORATION											
PO BOX 01 BHAVAN, G-4, AIYAM JUNG MARG, BHAWAL (DISTT) MURSHIDABAD-741 011											
ARCHITECT:											
POUNTEINHEAD											
C-2/1164, WORLI KUND, NEW DELHI - 110 070 TEL: 011-24311111, FAX: 011-24304440; Email: kant@indiatel.com											
ENGG. CONSULTANT:											
STATION NAME & ADDRESS:											
<p>DRAKING TITLE: RVI ELEMENTS BUILDING FASCIA DISCIPLINE: RVI DESIGN</p> <table border="1"> <tr> <td>DRN BY: MAHARAJA PANDIT <i>[Signature]</i></td> <td>DATE: 07/06/2004</td> </tr> <tr> <td>CHRED: PWD</td> <td>SCALE: 1: 125</td> </tr> <tr> <td colspan="2">DRAWING NO.: IOC-RVIRUB-DR-AD-017-R03</td> </tr> <tr> <td colspan="2">DECAL DESIGN</td> </tr> </table> <p>FILE ADD: HOKKA - VRC/RVM ELEMENTS ELEMENTS REVISE/EDG</p>				DRN BY: MAHARAJA PANDIT <i>[Signature]</i>	DATE: 07/06/2004	CHRED: PWD	SCALE: 1: 125	DRAWING NO.: IOC-RVIRUB-DR-AD-017-R03		DECAL DESIGN	
DRN BY: MAHARAJA PANDIT <i>[Signature]</i>	DATE: 07/06/2004										
CHRED: PWD	SCALE: 1: 125										
DRAWING NO.: IOC-RVIRUB-DR-AD-017-R03											
DECAL DESIGN											

MS ANGLE CLEAT OF 3.2MM
DIA BOLTED TO
SUPPORT-CLEAT, SCREWED TO
FASCIA STRUCTURE TO
SECURELY HOLD IT IN PLACE.

NOTES:
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25 X 25 6MM THK.MS CLEAT
BOLTED TO SUPPORT-CLEAT

31.5 X 25MM STEEL TUBE
WELDED TO MAIN STRUCTURE
AND BOLTED TO CLEAT FIXED
ON SUPPORT-CLEAT, AFTER
LEVELING

MS ANGLE SUPPORT-CLEAT OF
3.2MM THK. WITH LEVELING
SCREW, FIRMLY FIXED TO THE
WALL WITH METAL DASH
FASTENERS @ 1000MM
APPROX. EACH FASCIA
SEGMENT TO HAVE AT LEAST
TWO SUPPORT POINTS.

20 GUAGE GI FLASHING FIXED
WITH STEEL HEX HEAD SELF
DRILLING SCREWS WITH
INTEGRAL WASHERS AND EPDM
SEAL @ 600-1000 MM APPROX.

31.5 X 25MM 3MM THK. STEEL
TUBE MAIN STRUCTURE @
1000MM APPROX

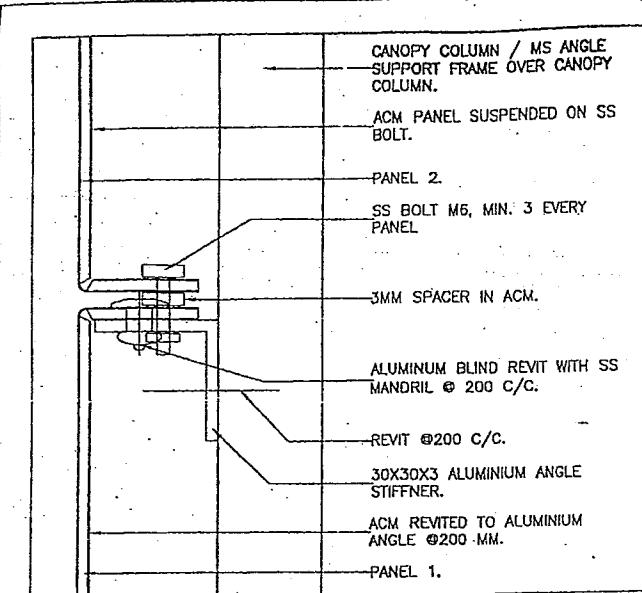
Annexure to letter
ref. ENCL/RM/ Attn.
17/9/09

A. K. GUPTA
CHIEF ENGINEERING MANAGER
INDIAN OIL CORPORATION LTD
G-9, ALIYAVAR MARG,
BANDRA (E), MUMBAI - 400 051

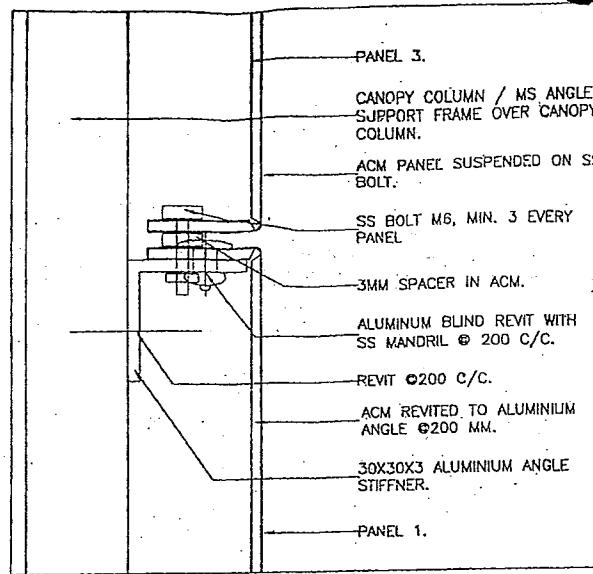
P.F. Chirayat

FOUNTAINHEAD	
C-9/9148, Vasant Kunj, New Delhi - 110 070.	
S.NO.	DATE
REVISION DETAILS	
CLIENT:	
INDIAN OIL CORPORATION PO BOX 1000, C-4, ALIYAVAR MARG, BANDRA (E), MUMBAI - 400 051	
ARCHITECT:	
FOUNTAINHEAD C-9/9148, VASANT KUNJ, NEW DELHI - 110 070 PH: 2611333, 2611334, FOR DESIGN CHIEF: <i>Mukundan Ramamurthy</i>	
ENG.G. CONSULTANT:	
STATION NAME & ADDRESS:	
DRAWING TITLE: RVI ELEMENTS BUILDING FASCIA	
DISCIPLINES: RVI DESIGN DRAW BY: MAMATHI RAMAKRISHNA DATE: 17.01.2005	
CORD: PWD	SCALE: 1:2
DRAWING NO.: IOC-RVIRUB-DO-AR-17a-R00	
DESIGNER:	
FILE ADD: HOUOL 1000M FLOWDOWN ELEMENTS REV00100	

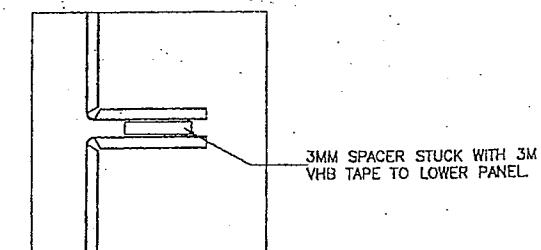
NOTES:
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THE WORKSHOP BEFORE EXECUTION OF THAT WORK AT SITE.
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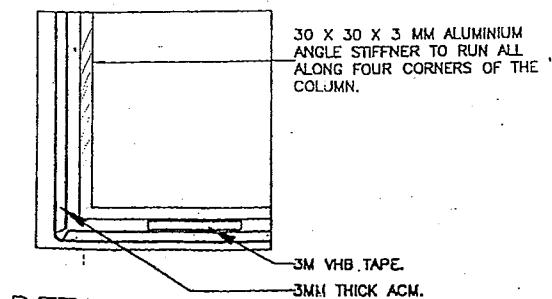
DETAIL A.



DETAIL B



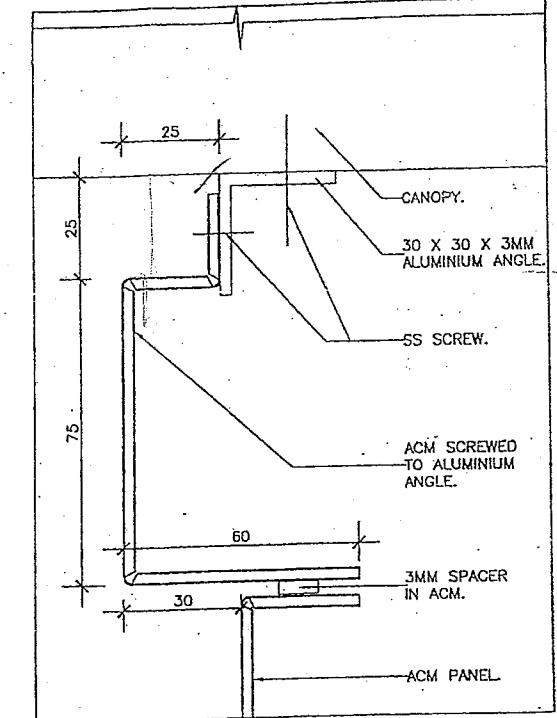
SECTION NN



DETAIL O

A. K. GUPTA
CHIEF ENGINEERING MANAGER
INDIAN OIL CORPORATION LTD.
G-9, ALIYAVAR MARG,
BANDRA (E), MUMBAI - 400 051

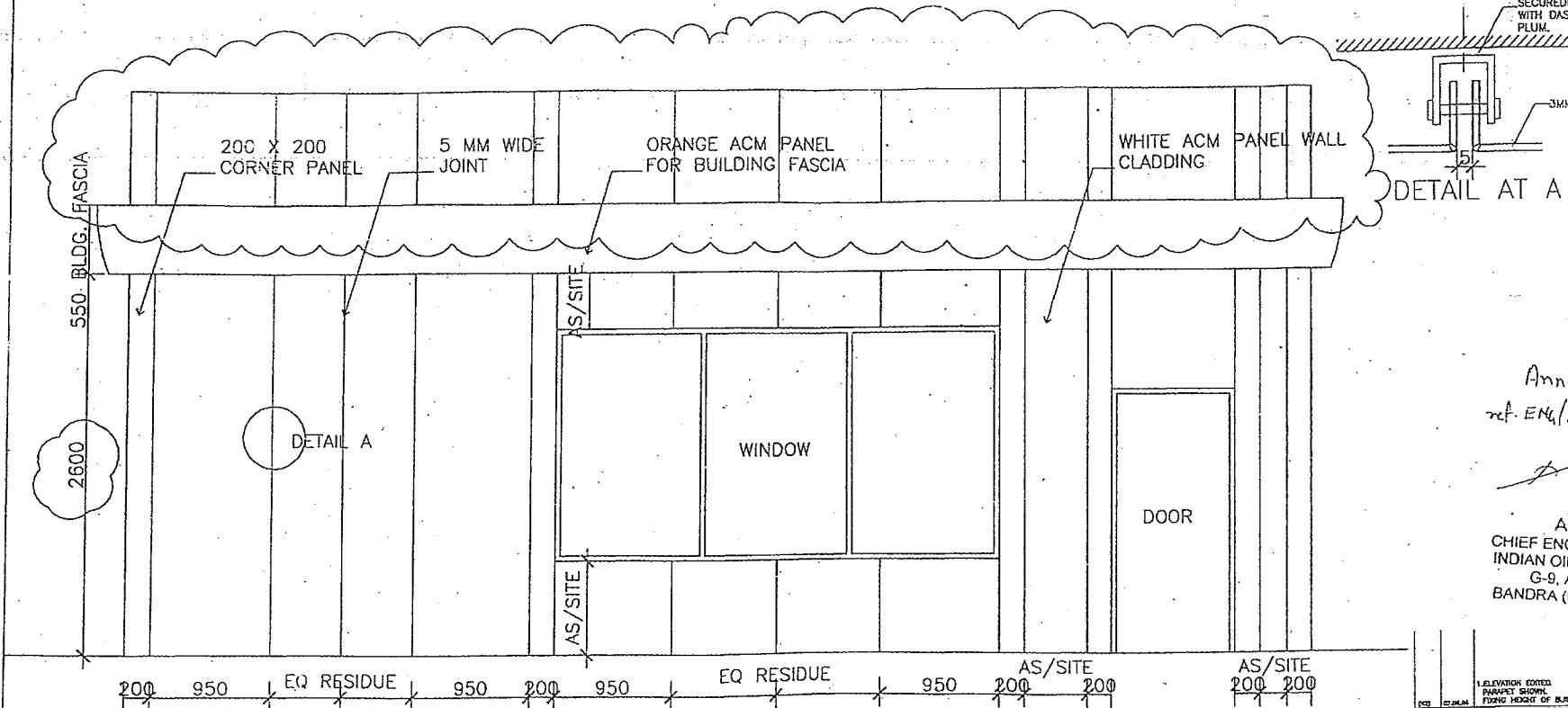
Annexure to letter ref. I&E/AV/
dtd. 17/3/04. / 18/3/04
17/3/04



DETAIL M

S.NO	DATE	REVISION DETAILS
REVISIONS		
CLIENT: INDIAN OIL CORPORATION PO BOX NO. 14, ALIYAVAR MARG, BANDRA (E), MUMBAI - 400 051		
ARCHITECT: FOUNTAINHEAD C-9/148, VASANT KUNJ - 110 070 PHONE: 011-2656 7777, 2656 7788 E MAIL: fountainhead@vsnl.net.in		
ENG. CONSULTANT:		
STATION NAME & ADDRESS:		
DRAWING TITLE: REV ELEMENTS COLUMN CLADDING		
DISCIPLINE: REV DESIGN		
DRW BY:	MANOHAR CH	DATE: 17/3/04
CHECKED BY:		SCALE: 1:12
DRAWING NO.:	I&E/RV/URB-DD-AR-11a-R00	DEAL NUMBER:
FILE ADD: HOMA - VASANT KUNJ ELEMENTS REVISING		

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ARCHITECTURAL AND ENGINEERING DRAWINGS.



TYPICAL BUILDING ELEVATION FOR WALL CLADDING

NOTE:

WALL CLADDING ON BUILDING TO BE UNDERTAKEN ON
ONLY THOSE WALL SURFACES THAT ARE VISIBLE FROM
THE FORECOURT (DRIVE WAY) AREA, OR AS INSTRUCTED
BY IOC.

DIVISIONS INDICATED IN THE DRAWING ARE INDICATIVE
OF THE SYSTEM AND CONTRACTOR MAY CHOOSE
CHANGE THE SIZE TO GET EVEN PANEL SIZE.

12/10/16-1

ELEVATION EDITED PARAPET SHOWN. FIXING HEIGHT OF BUILDING FASCIA MENTIONED.	
S/N	DATE
REVISION DETAILS	
REVISIONS	
CLIENT: INDIAN OIL CORPORATION NO. 4114, WEST END, ALI YAVAR JEEWANI, BANDRA (E), MUMBAI - 400 051	
ARCHITECT: FOUNTAINHEAD C-4114, WEST END, ALI YAVAR JEEWANI, BANDRA (E), MUMBAI - 400 051	
ENG. CONSULTANT:	
STATION NAME & ADDRESS:	
DRAWING TITLE: RVI ELEMENTS WALL CLADDING	
DISCIPLINE: RVI DESIGN	
DRN BY: MANOHAR PAWAR	DATE: 07.08.2014
CHKD: RVI	SCALE: 1:50
DRAWING NO: IOC-RVIURB-DD-AR-018-R03	
DETAIL DESIGN	
FILE ADD: HOUMLA_VOCM ELEMENTS/AM ELEMENTS/REVISED.DWG	

Annexure to Letter
ref. ENG/RVI dtd. 17/9/104

12/10/16-1

A. K. GUPTA
CHIEF ENGINEERING MANAGER
INDIAN OIL CORPORATION LTD.
G-9, ALIYAVAR MARG,
BANDRA (E), MUMBAI - 400 051

इंडियनऑपल

894

1800mm



PANTONE COLOUR:
PANTONE ORANGE : PMS 1655 C

PANTONE COLOUR:
PANTONE BLUE PMS 2757 C

NOTES

ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.

ANY INFORMATION IN THE DRAWINGS MUST BE BROUGHT TO THE NOTICE OF THE ARCHITECT BEFORE EXECUTION OF THE DRAWINGS AT SITE.

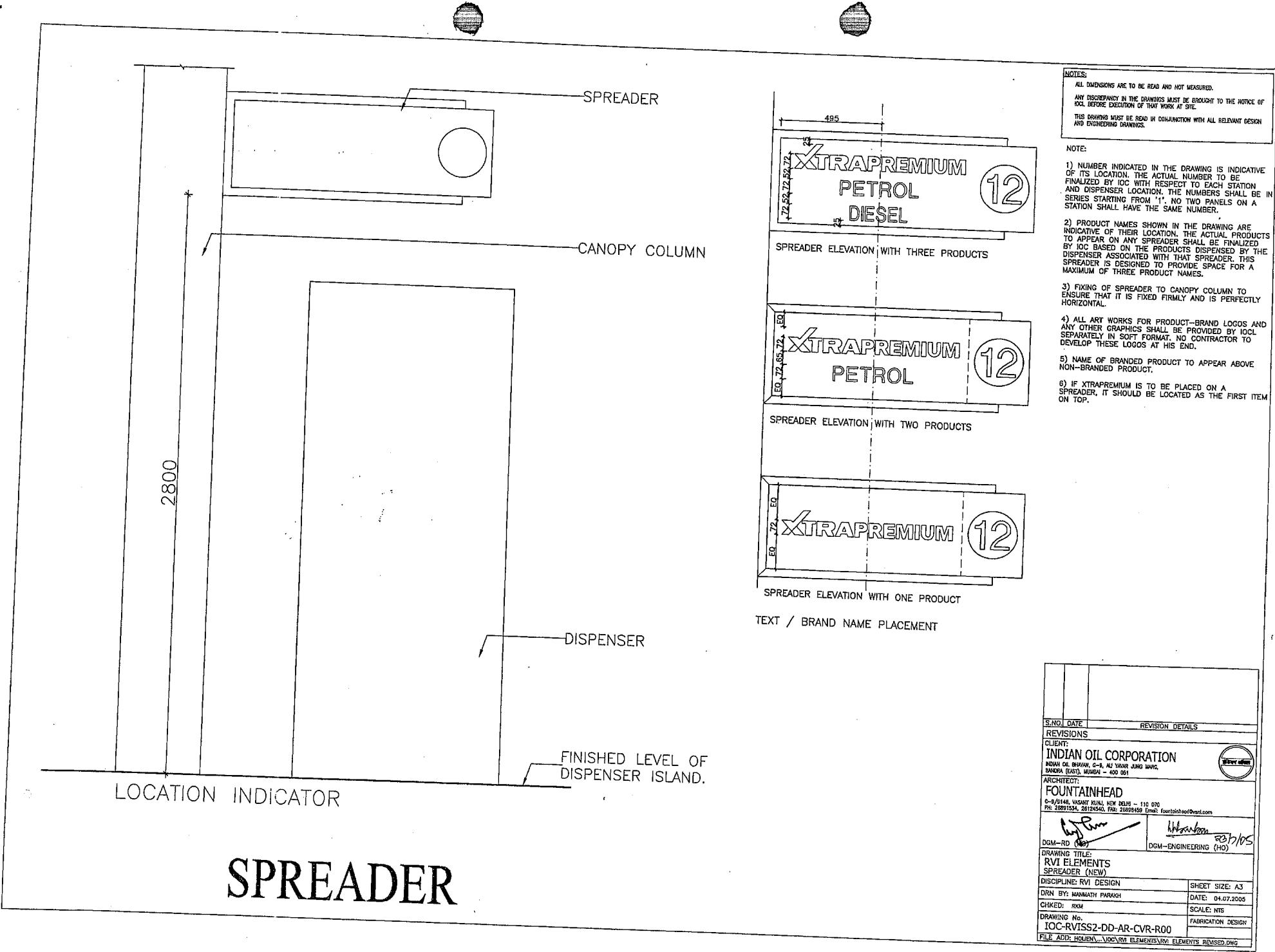
THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH ALL RELATED ARCHITECTURAL, MECHANICAL AND CIVIL ENGINEERING DRAWINGS.

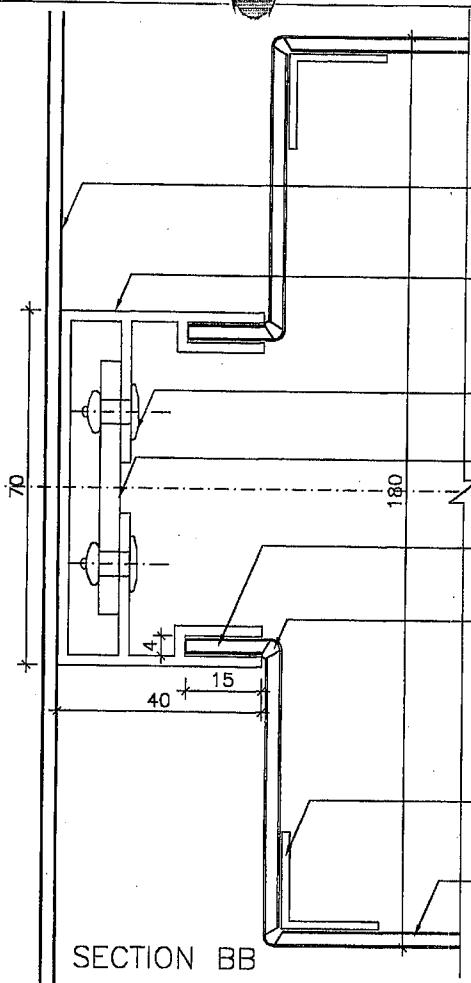
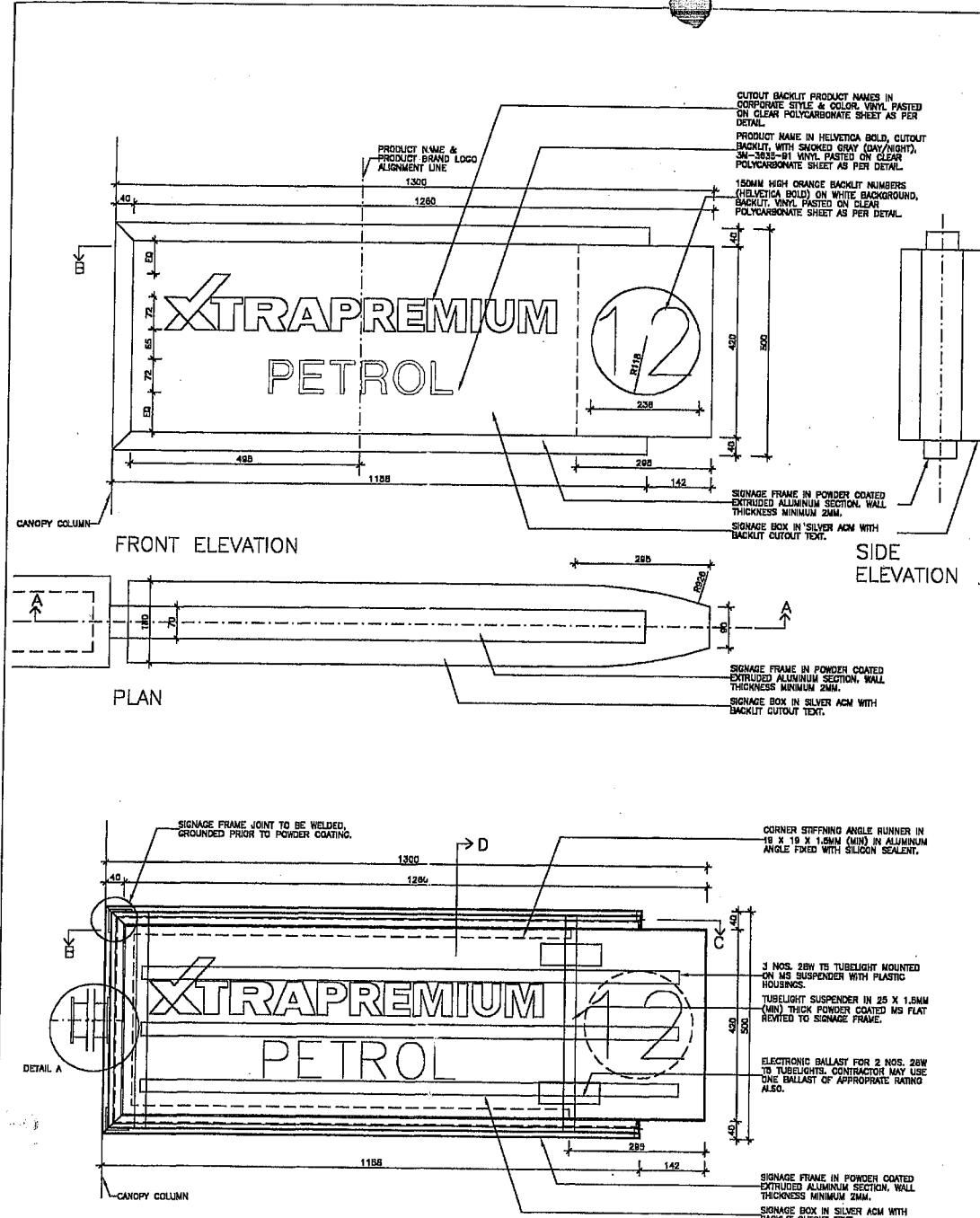
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Annexure to letter
ref. ENG/RVI dtd. 17/9/67

ref. E177

A. K. GUPTA
CHIEF ENGINEERING MANAGER
INDIAN OIL CORPORATION LTD
G-9, ALIYAVAR MARG,
BANDRA (E), MUMBAI - 400 051





**STANDARD DETAIL FOR
FLUSH BACKLIT AREAS**

NOTES:

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THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGN
AND ENGINEERING DRAWINGS.

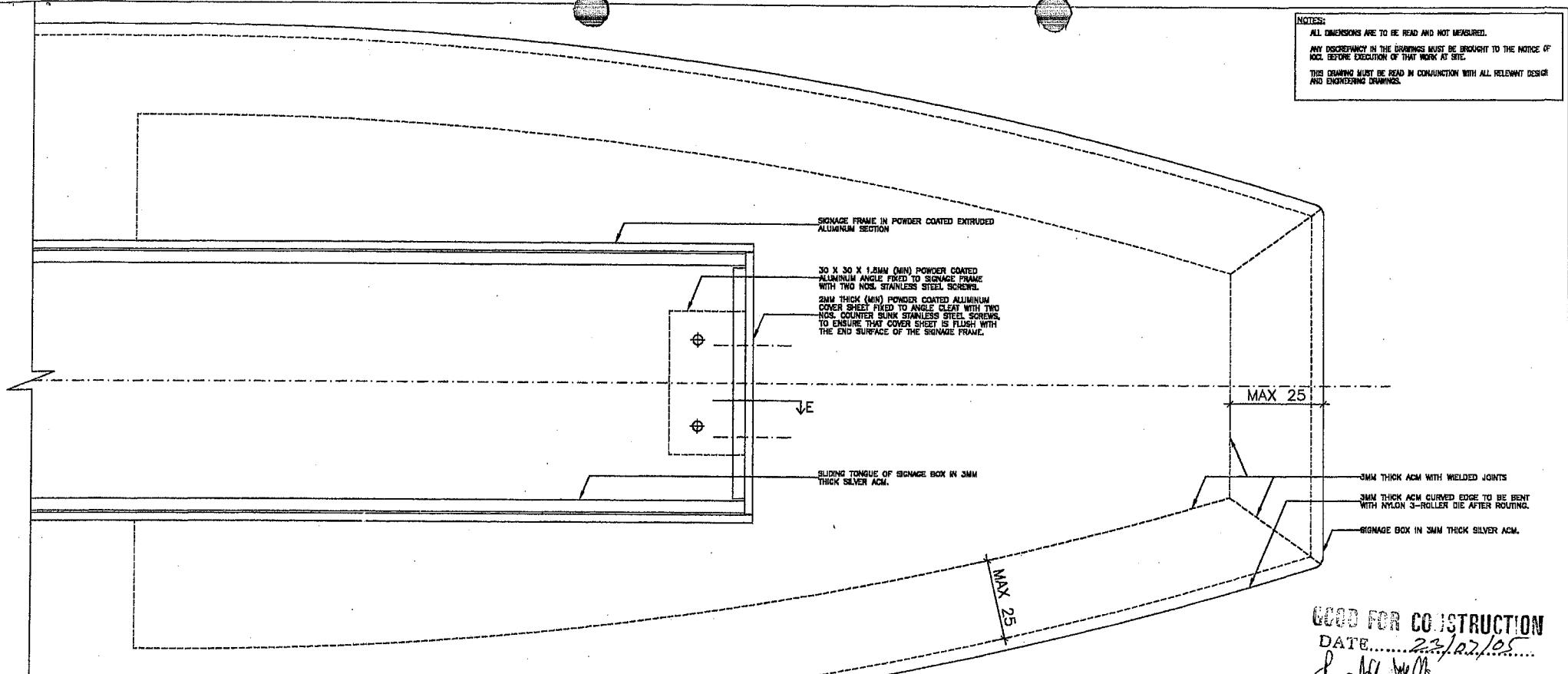
- 1) NUMBER INDICATED IN THE DRAWING IS INDICATIVE OF ITS LOCATION. THE ACTUAL NUMBER TO BE FINALIZED BY IOC WITH RESPECT TO EACH STATION AND DISPENSER LOCATION. THE NUMBERS SHALL BE IN SERIES STARTING FROM '1'. NO TWO PANELS ON A STATION SHALL HAVE THE SAME NUMBER.
- 2) PRODUCT NAMES SHOWN IN THE DRAWING ARE INDICATIVE OF THEIR LOCATION. THE ACTUAL PRODUCTS TO APPEAR ON ANY SPREADER SHALL BE FINALIZED BY IOC BASED ON THE PRODUCTS DISPENSED BY THE DISPENSER ASSOCIATED WITH THAT SPREADER. THIS SPREADER IS DESIGNED TO PROVIDE SPACE FOR A MAXIMUM OF THREE PRODUCT NAMES.
- 3) FIXING OF SPREADER TO CANOPY COLUMN TO ENSURE THAT IT IS FIXED FIRMLY AND IS PERFECTLY HORIZONTAL.
- 4) ALL ART WORKS FOR PRODUCT-BRAND LOGOS AND ANY OTHER GRAPHICS SHALL BE PROVIDED BY IOC SEPARATELY IN SOFT FORMAT. NO CONTRACTOR TO DEVELOP THESE LOGOS AT HIS END.
- 5) POWDER COATING COLOR TO MATCH THE WARM GRAY OF ACM.
- 6) EXTRUDED ALUMINUM SECTION SHOWN FOR SIGNAGE FRAME IS INDICATIVE. CONTRACTORS MAY DEVELOP APPROPRIATE EXTRUSION DESIGN TO IMPROVE ITS FUNCTIONALITY.
- 7) HOT-AIR-WELDING TO BE DONE AS PER THE RECOMMENDATIONS OF ACM MANUFACTURERS WITH CONSUMABLES RECOMMENDED BY THEM.

GOOD FOR CONSTRUCTION
DATE.....23/02/05

MOUNTAINHEAD
C-9/9148, Vasant Kunj,
New Delhi—110 070.

New Delhi-110 070.			
S.NO	DATE	REVISION DETAILS	
REVISIONS			
CLIENT:			
INDIAN OIL CORPORATION			
BHAWANI DR. PARMAL, B-2, AL YAHYA JUNG MARG, PANJSHA (PLOT), NEW DELHI - 110 061			
C-9/9/108, VAHAT KULI, NEW DELHI - 110 070 PHONE: 23881555, 23881561, FAX: 23881640 E-mail: fountainhead@vsnl.com			
ARCHITECT: FOUNTAINHEAD			
DGM-RD (HO) 23-11-2015 <i>[Signature]</i> <i>[Signature]</i> DGM-ENGINEERING (HO) 23-11-2015 <i>[Signature]</i>			
DRAWING TITLE: RVI ELEMENTS SPREADER (NEW) - 1			
DISCIPLINE: RVI DESIGN		SHEET SIZE: A3	
DRN BY: MAHMUD PARIAH		DATE: 04.07.2005	
CHKD: RKM		SCALE: 1 : 10	
DRAWING NO: IOC-RVISS2-DD-AR-001-R00		FABRICATION DESIGN	
FILE ADD: H:\OJ\KA\W\KRM ELEMENTS REVISION.DWG			

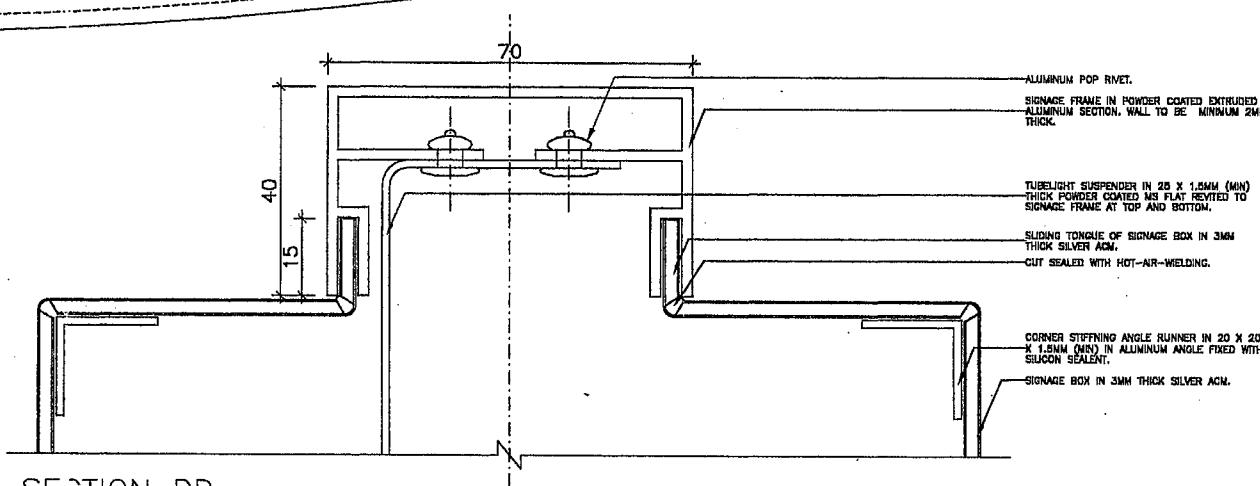
NOTES:
ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
ANY DISCREPANCY IN THE DRAWINGS MUST BE BROUGHT TO THE NOTICE OF
IOCL BEFORE EXECUTION OF THAT WORK AT SITE.
THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGN
AND ENGINEERING DRAWINGS.



WORK FOR CONSTRUCTION
DATE..... 23/02/05

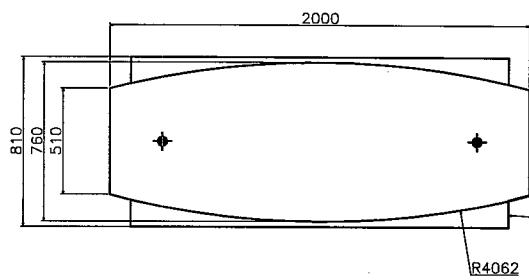
Sanjiv Malhotra
FOUNTAINHEAD
C-9,9148, Vasant Kunj,
New Delhi—110 070.

SECTION CC



SECTION DD

S.NO	DATE	REVISION DETAILS
REVISIONS		
CLIENT:	INDIAN OIL CORPORATION	
	KRISHAN OIL BHDWALA, G-6, AU YOUNG JUNG WARD, BANJARA (EAST), MUMBAI - 400 051	
ARCHITECT:	FOUNTAINHEAD	
	C-9,9148, VASANT KUNJ, NEW DELHI - 110 070 PH: 2691454, 26121464, FAX: 26934466 www.fountainhead.com	
DGM-RD (HO)	23/02/05	<i>Sanjiv Malhotra</i> 23/02/05
DGM-ENGINEERING (HO)		<i>Whittemore</i>
DRAWING TITLE:	RVI ELEMENTS	sheet size: A3
SPREADER (NEW) - 2		DATE: 03.04.2005
DISCIPLINE: RVI DESIGN		SCALE: 1 : 10
DRN BY: MANMATH PARMAR		FABRICATION DESIGN
CHKED: RKM		
DRAWING NO.		
IOC-RVI2-DD-AR-002-R00		
FILE ADD: HOUHEN\VOGRM ELEMENTS\RM ELEMENTS REVISED.DWG		

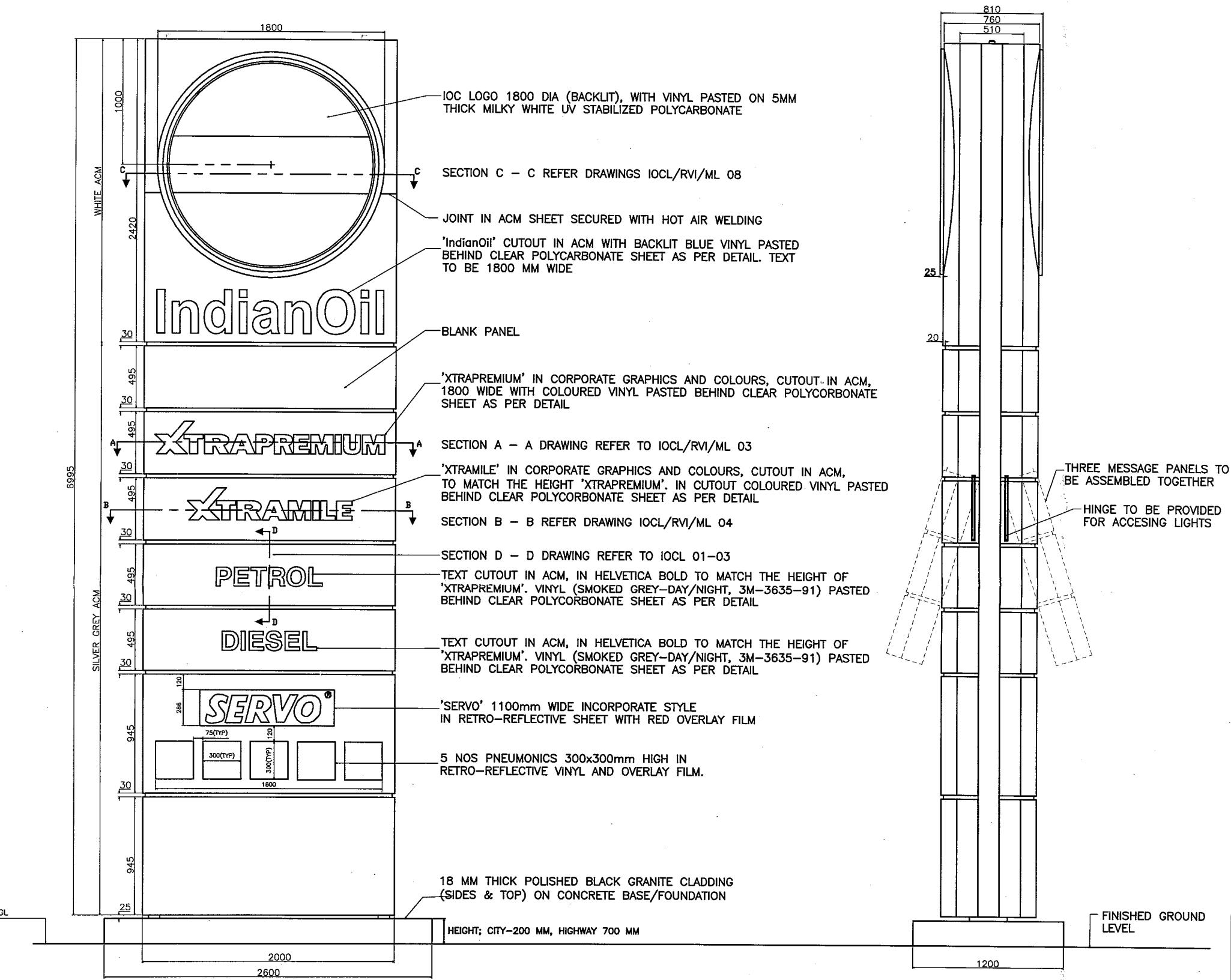


IOC LOGO 1800 DIA (BACKLIT), WITH VINYL PASTED ON 5MM THICK MILKY WHITE UV STABILIZED POLYCARBONATE

NOTE:

- ALL ART WORKS FOR IOC LOGO, SUB-BRAND LOGO'S (XTRAPREMIUM, XTRAMILE & SERVO), MNEUNICS AND ANY OTHER GRAPHICS SHALL BE PROVIDED BY IOCL SEPARATELY IN SOFT FORMAT. NO CONVERTER TO DEVELOP THESE LOGO'S AT THEIR END.
- ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
- ANY DISCREPANCY IN THE DRAWING MUST BE BROUGHT TO THE NOTICE OF IOCL BEFORE EXECUTION OF THAT WORK AT SITE.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGN AND ENGINEERING DRAWINGS.

PLAN

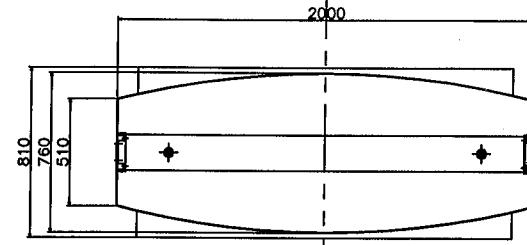


FRONT ELEVATION
(BOTH SIDES)

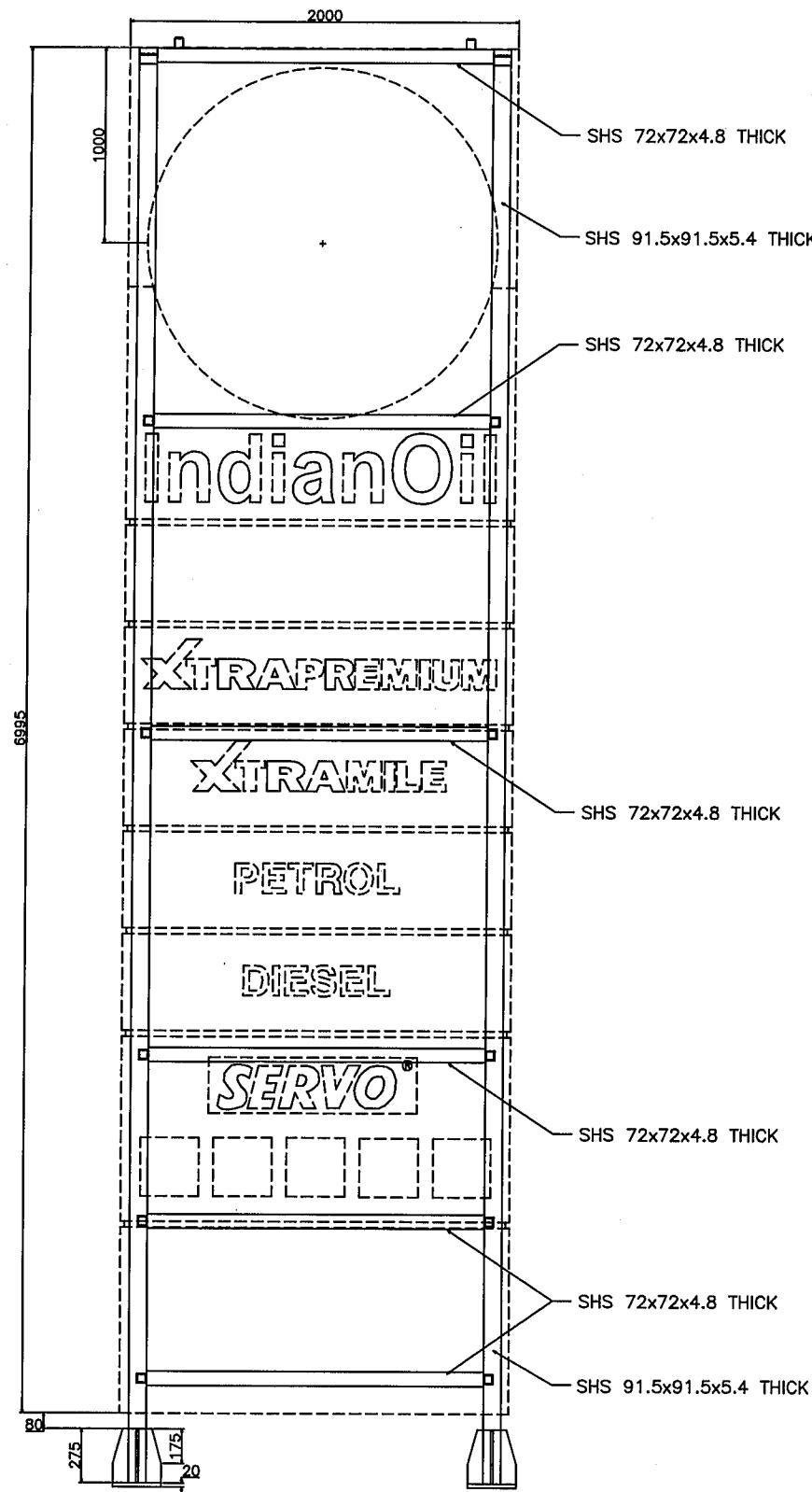
SIDE ELEVATION
(BOTH SIDES)

- ALL DIMENTION IN MM
- DO NOT SCALE
- IF IN DOUBT, PLEASE ASK

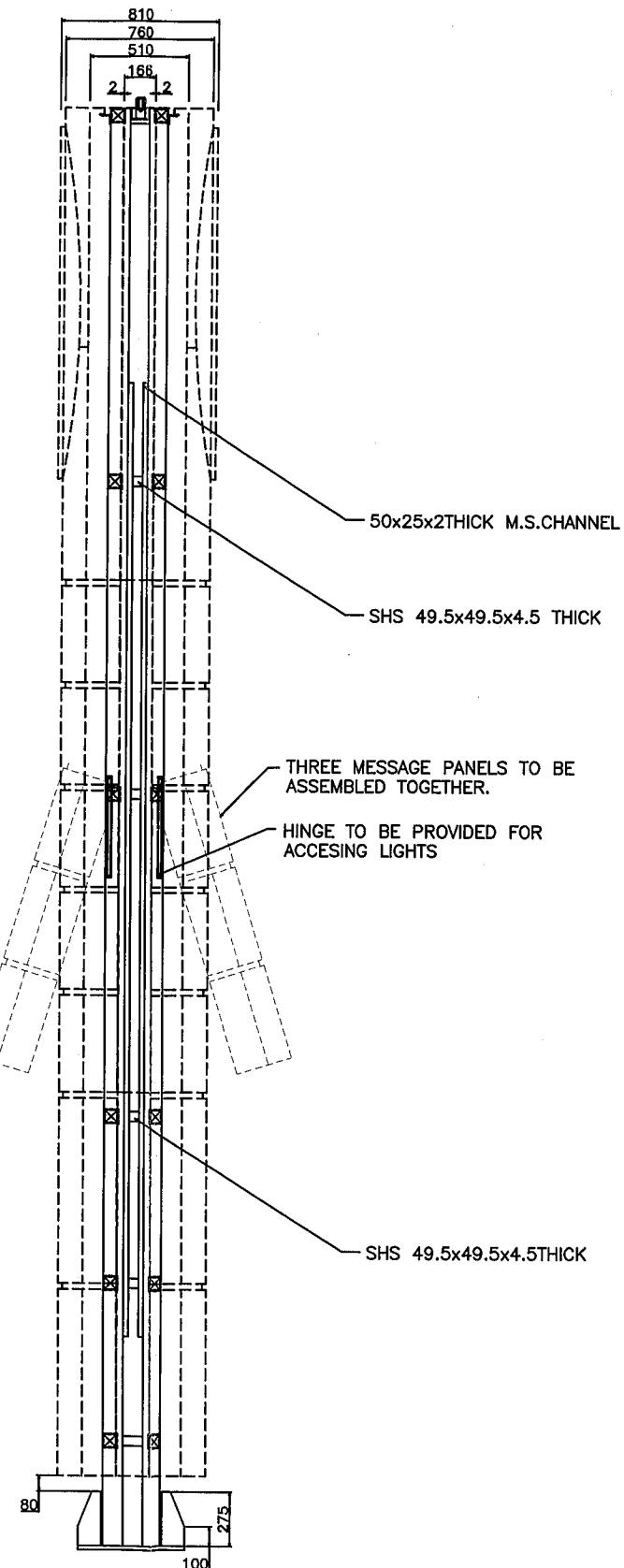
1	26.03.08	XTRACARE REPLACED WITH A BLANK PANEL
S.NO.	DATE	REVISION DETAILS
REVISION		
INDIAN OIL CORPORATION LIMITED 'INDIANOIL BHAVAN' G-9, ALI YAVER JUNG MARG, BANDRA (EAST), MUMBAI - 400 051		
RVI ELEMENTS		
TITLE: MONOLITH - FRONT & SIDE ELEVATION		
CHKD. BY: <i>[Signature]</i>		
APPD. BY: <i>[Signature]</i>		
DRN. BY: SHREE ENGINEERS		
DRAWING NO: IOCL-RVI-ML 01 / R1		
SCALE: -		
SHEET: 1 OF 3		



PLAN



FRONT ELEVATION
(BOTH SIDES)



SIDE ELEVATION
(BOTH SIDES)

NOTE:

- ALL ART WORKS FOR IOC LOGO, SUB-BRAND LOGO'S (XTRAPREMIUM, XTRAMILE & SERVO), MNEUNONICS AND ANY OTHER GRAPHICS SHALL BE PROVIDED BY IOCL SEPARATELY IN SOFT FORMAT. NO CONVERTER TO DEVELOP THESE LOGO'S AT THEIR END.
- ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
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- THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGN AND ENGINEERING DRAWINGS.

- ALL DIMENTION IN MM
- DO NOT SCALE
- IF IN DOUBT, PLEASE ASK

1	26.03.08	XTRACARE REPLACED WITH A BLANK PANEL
S.NO.	DATE	REVISION DETAILS
REVISION		

INDIAN OIL CORPORATION LIMITED
'INDIANOIL BHAVAN' G-9, ALI YAVER JUNG MARG,
BANDRA (EAST), MUMBAI - 400 051



RVI ELEMENTS

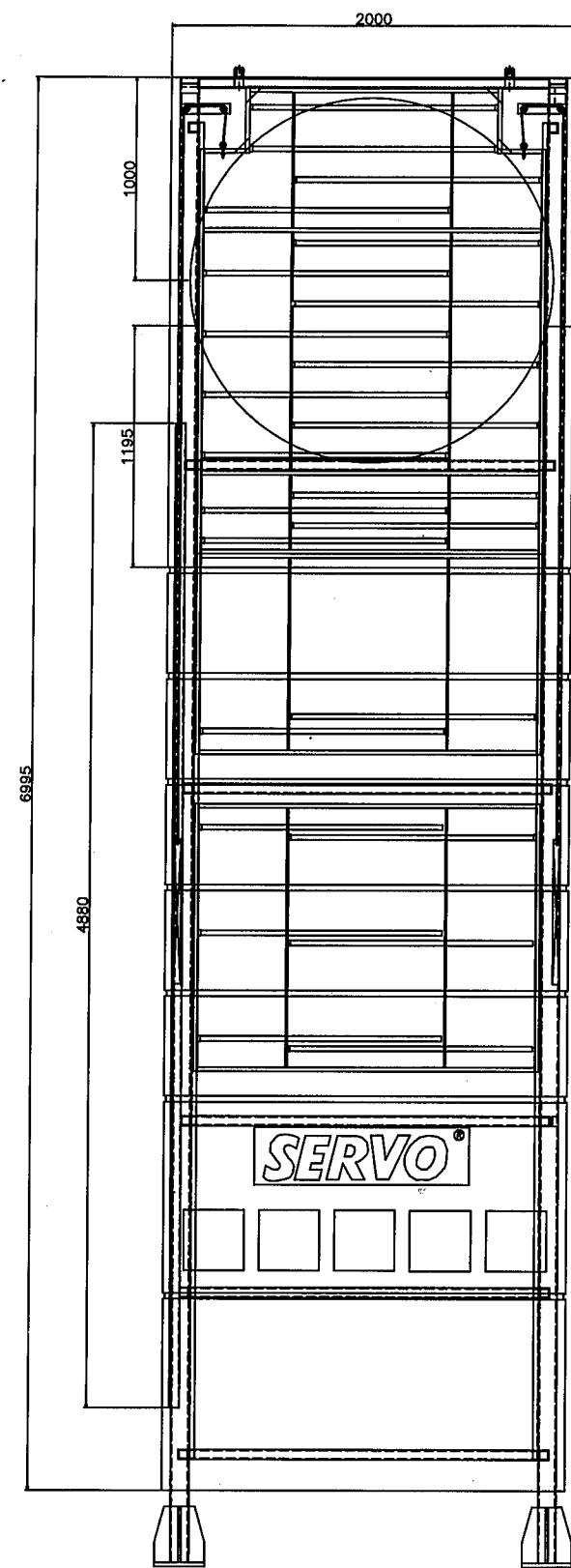
TITLE:
MONOLITH - MAIN ASSEMBLY

CHKD. BY: *[Signature]* DATE: 26.03.2008

APPD. BY: *DRN. BY : SHREE ENGINEERS* DATE: 26.03.2008

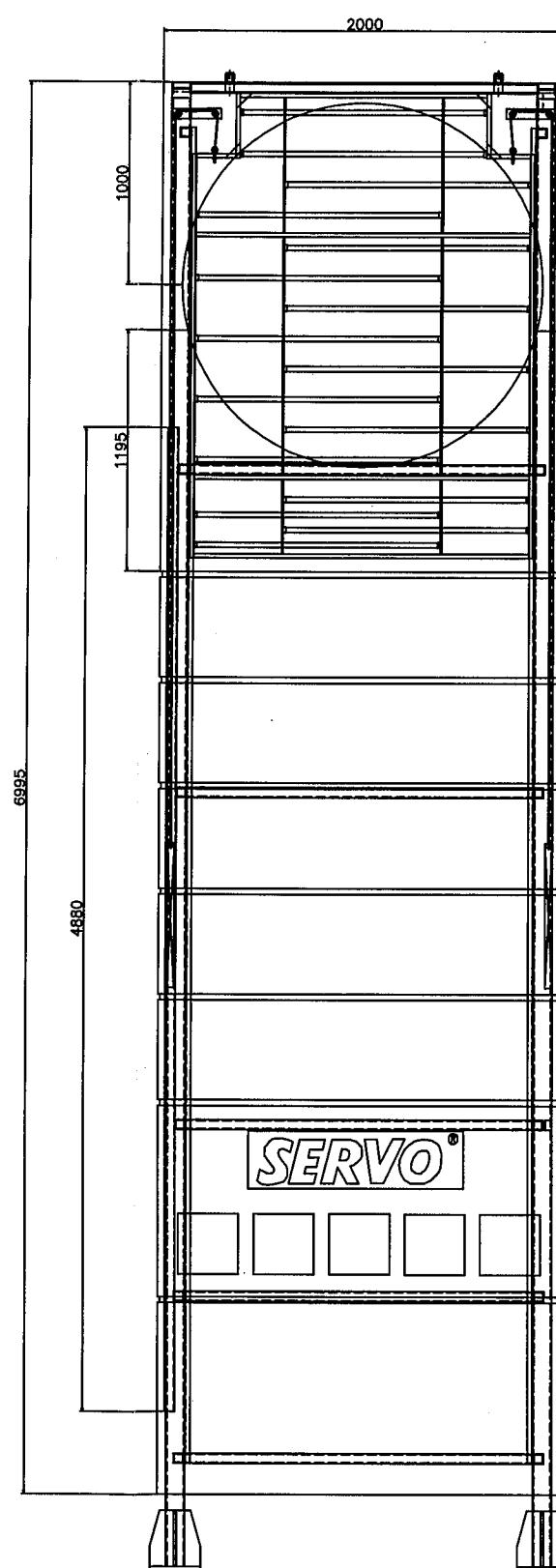
DRN. BY : SHREE ENGINEERS SCALE: --

DRAWING NO: IOCL-RVI-ML 01 / R1 SHEET: 1 OF 3



**FRONT ELEVATION
(BACKLIT)**

TOTAL 27 NOS. 36W TUBE LIGHTS
WITH ELECTRONIC BALLAST



**FRONT ELEVATION
(FRONTLIT)**

TOTAL 16 NOS. 36W TUBE LIGHTS
WITH ELECTRONIC BALLAST

NOTE:
1. NO SHADOW OR DARK SPOTS TO BE VISIBLE
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. ANY DISCREPANCY IN THE DRAWING MUST BE BROUGHT TO THE NOTICE OF IOCL BEFORE EXECUTION OF THAT WORK AT SITE.
4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGN AND ENGINEERING DRAWINGS.

- ALL DIMENTION IN MM
- DO NOT SCALE
- IF IN DOUBT, PLEASE ASK

1	26.03.08	XTRACARE REPLACED WITH A BLANK PANEL
S.NO.	DATE	REVISION DETAILS

REVISION	INDIAN OIL CORPORATION LIMITED 'INDIANOIL BHAVAN' G-9, ALI YAVER JUNG MARG, BANDRA (EAST), MUMBAI - 400 051
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RVI ELEMENTS

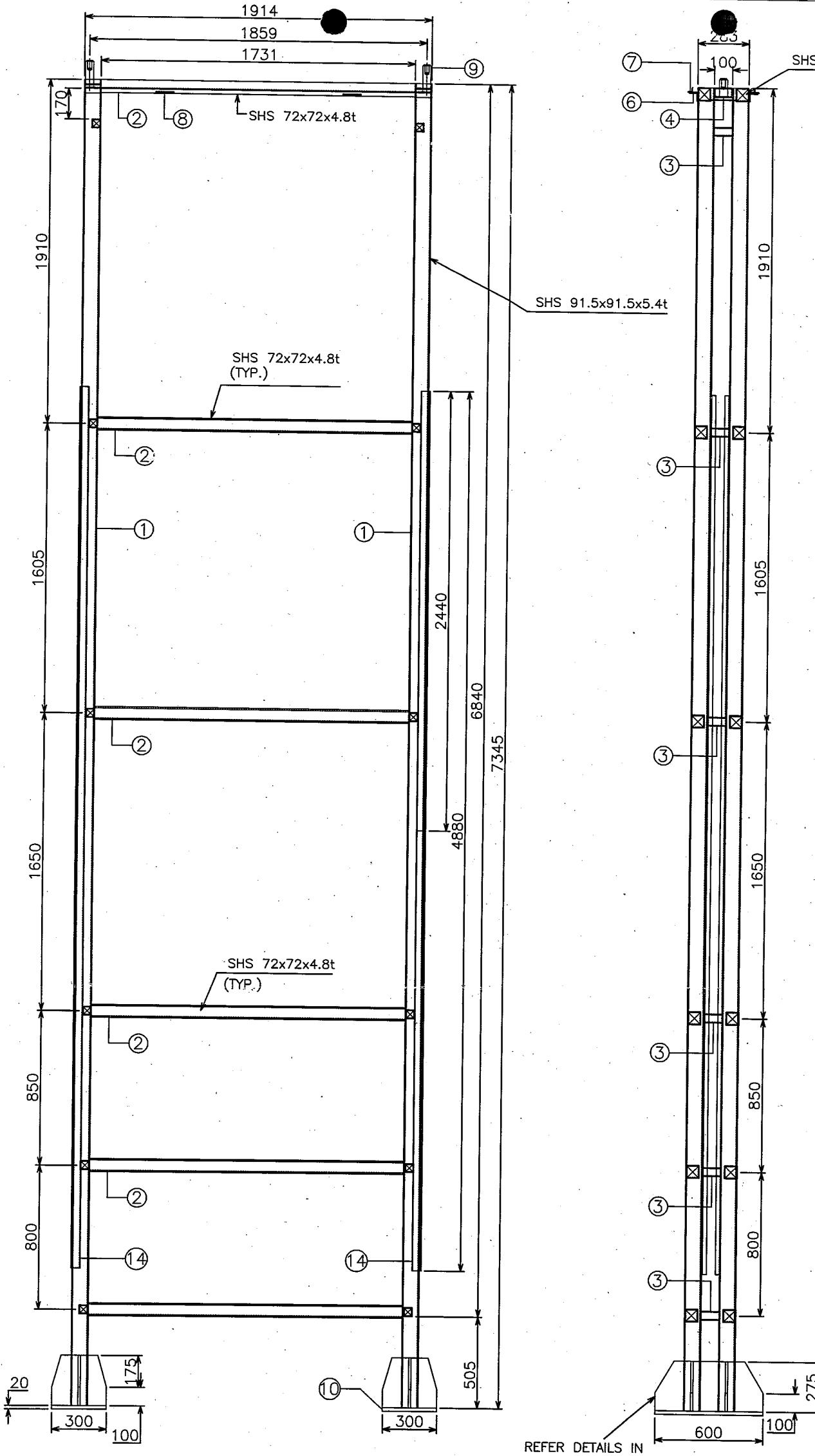
TITLE:
MONOLITH ASSEMBLY - SECTION DETAILS FOR BACKLIT & FRONTLIT

CHKD. BY: *P.T.* *26.03.08* **DATE:** 26.03.2008

APPD. BY: *AMAN DHE* *26.03.08* **DATE:** 26.03.2008

DRN. BY : SHREE ENGINEERS **SCALE:** --

DRAWING NO: IOCL-RVI-ML 01 / R1 **SHEET:** 3 OF 3



REFER DETAILS IN
SHEET 2 OF 2

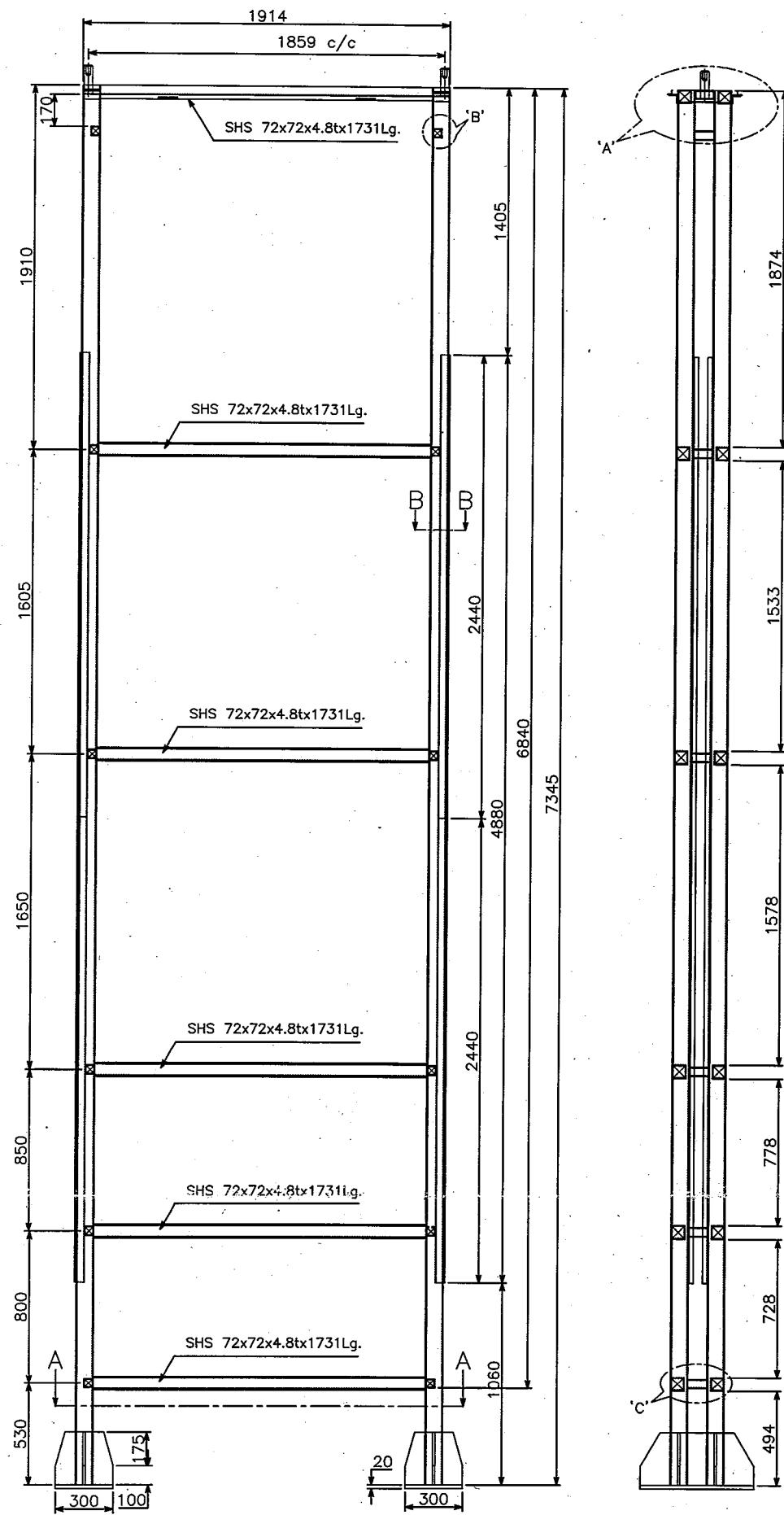
- ALL DIMENTION IN MM
- DO NOT SCALE
- IF IN DOUBT, PLEASE ASK

S.NO.	DATE	REVISION DETAILS
REVISION		
INDIAN OIL CORPORATION LIMITED 'INDIANOIL BHAVAN' G-9, ALI YAYER JUNG MARG, BANDRA (EAST), MUMBAI - 400 051		
RVI ELEMENTS		
TITLE: MONOLITH - STRUCTURAL DETAILS		
CHKD. BY:		DATE: 26.03.2008
APPD. BY:		
DRN. BY : SHREE ENGINEERS	SCALE: --	
DRAWING NO: IOCL-RVI-ML 02 / R01	SHEET : 1 OF 2	

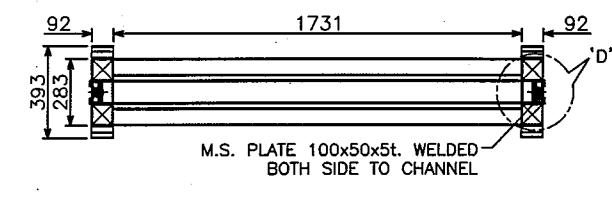
Note: —

STRUCTURES TO BE PAINTED AS PER TENDER SPECIFICATIONS

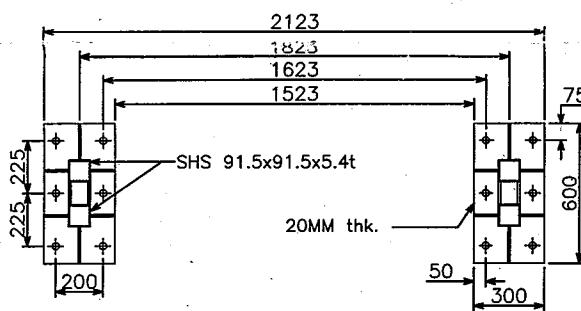
BILL OF MATERIAL		
NO.	DESCRIPTION	QTY.
01	SHS-91.5x91.5x5.4Thk.x7345L	04 NOS.
02	SHS-72x72x4.8Thk.x1731L	12 NOS.
03	SHS-49.5x49.5x4.5Thk.x100L	12 NOS.
04	C-CHANNEL 100x50x5thk.x1731L	01 NO.
05	M.S. PLATE 100x50x5 thk.	02 NOS.
06	ANGLE 50x50x5thkx91.5L	04 NOS.
07	ANGLE 25x25x3thkx91.5L	04 NOS.
08	M.S. PLATE 200x90x5thk	02 NOS.
09	LIFTING LUG ø45x150L	02 NOS.
10	M.S. PLATE 600x300x20thk	02 NOS.
11	M.S. PLATE 275x100x10thk	04 NOS.
12	M.S. GUSSET PLATE 275x158x10thk	04 NOS.
13	M.S. GUSSET PLATE 275x104x10thk	08 NOS.
14	M.S. CHANNEL 50x25x3Thkx2440L	08 NOS.



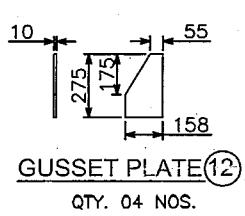
ELEVATION



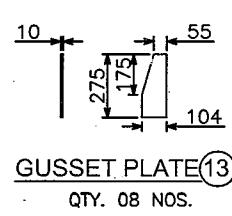
PLAN



DETAIL 'B



GUSSET PLATE 12
QTY. 04 NOS.



GUSSET PLATE

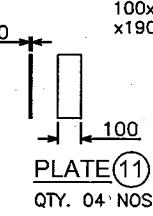
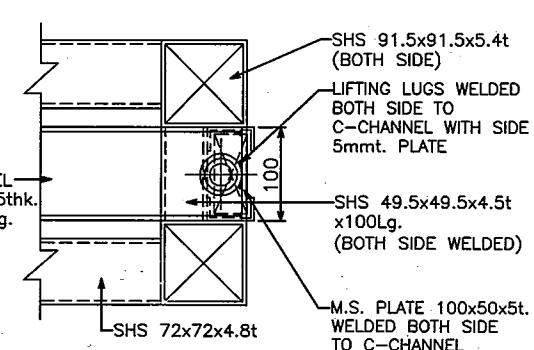
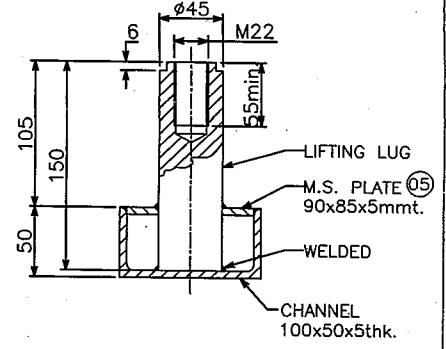


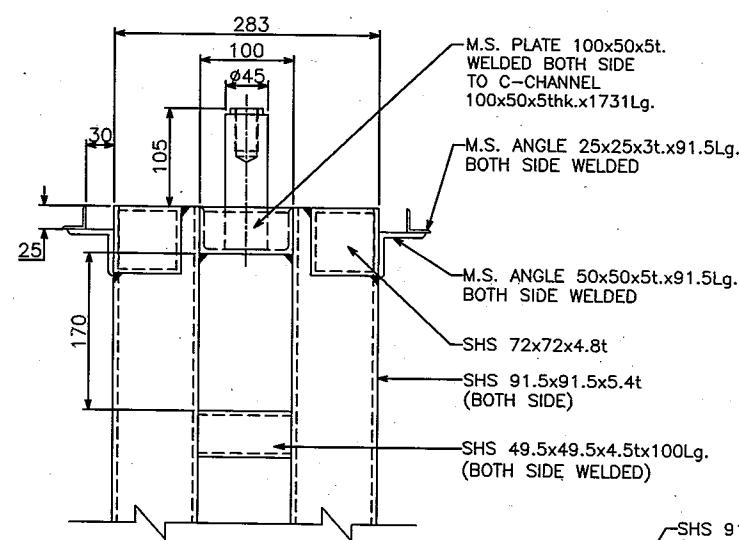
PLATE 11
QTY. 04 NOS



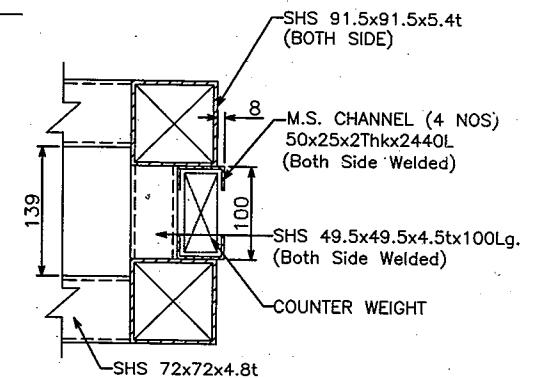
DETAIL 'D'



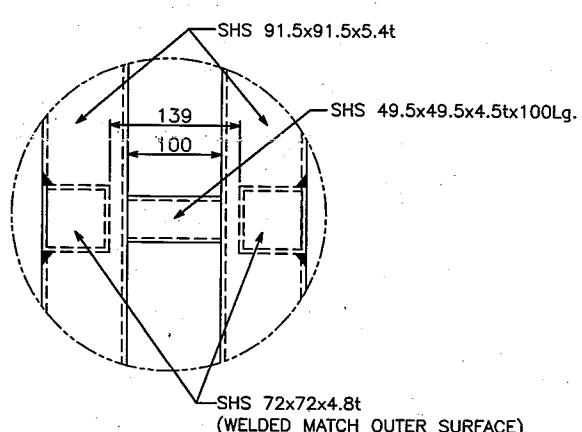
LIFTING LUG DETAIL



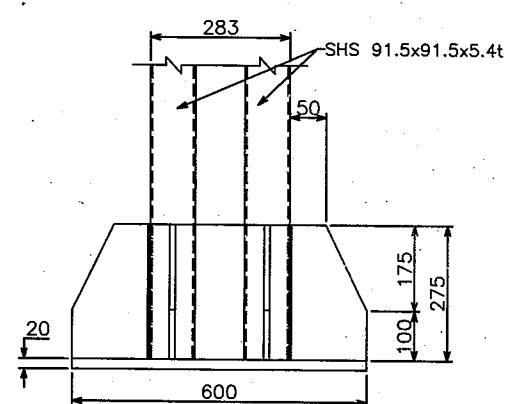
DETAIL 'A'



SECTION B-B



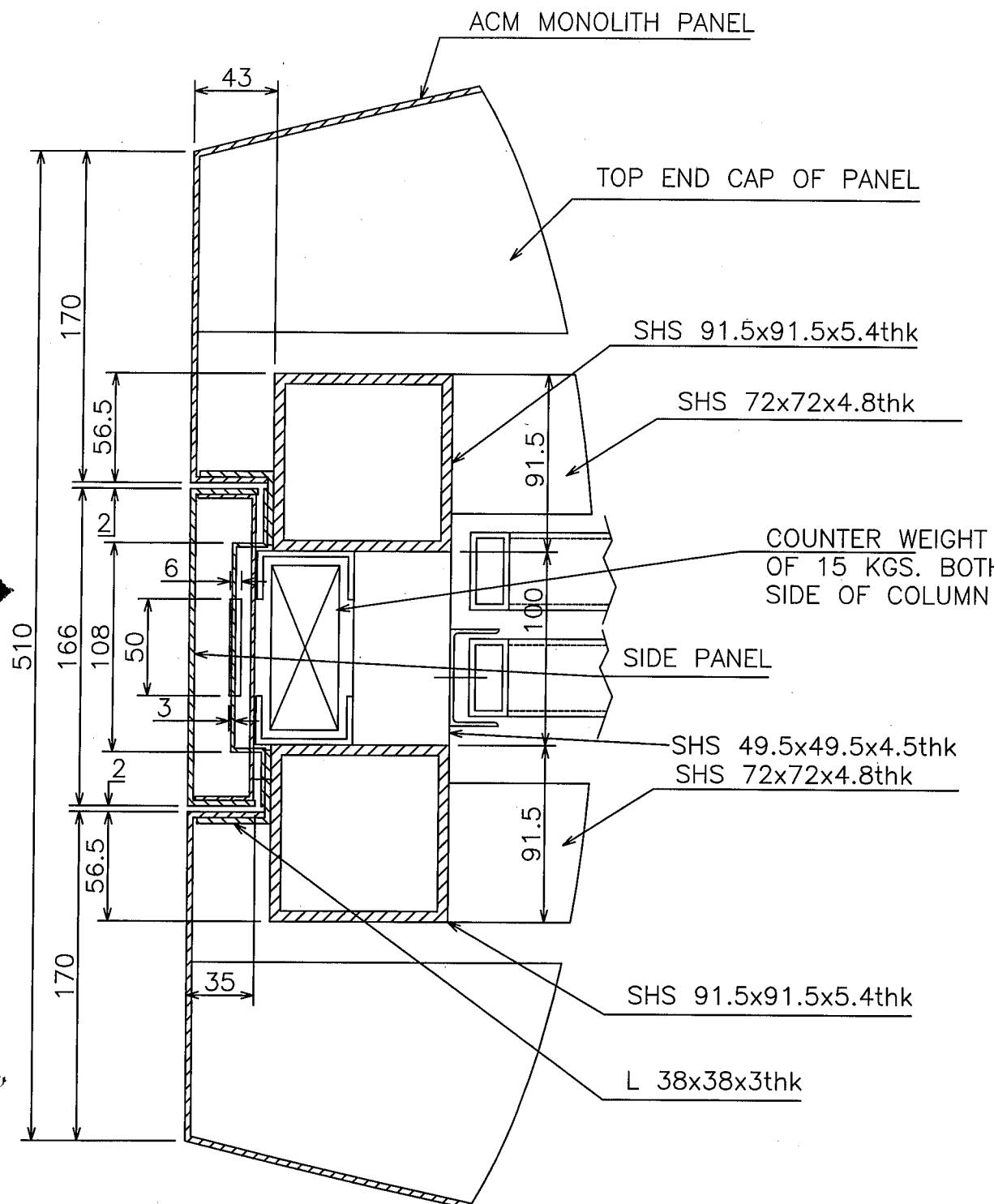
DETAIL C
(TYP.)



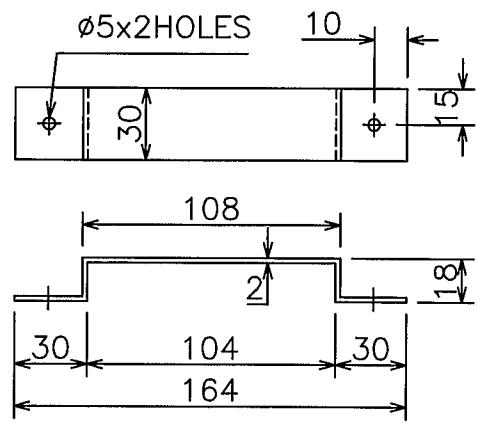
WELDING DETAILS

- ALL DIMENTION IN MM
 - DO NOT SCALE
 - IF IN DOUBT, PLEASE ASK

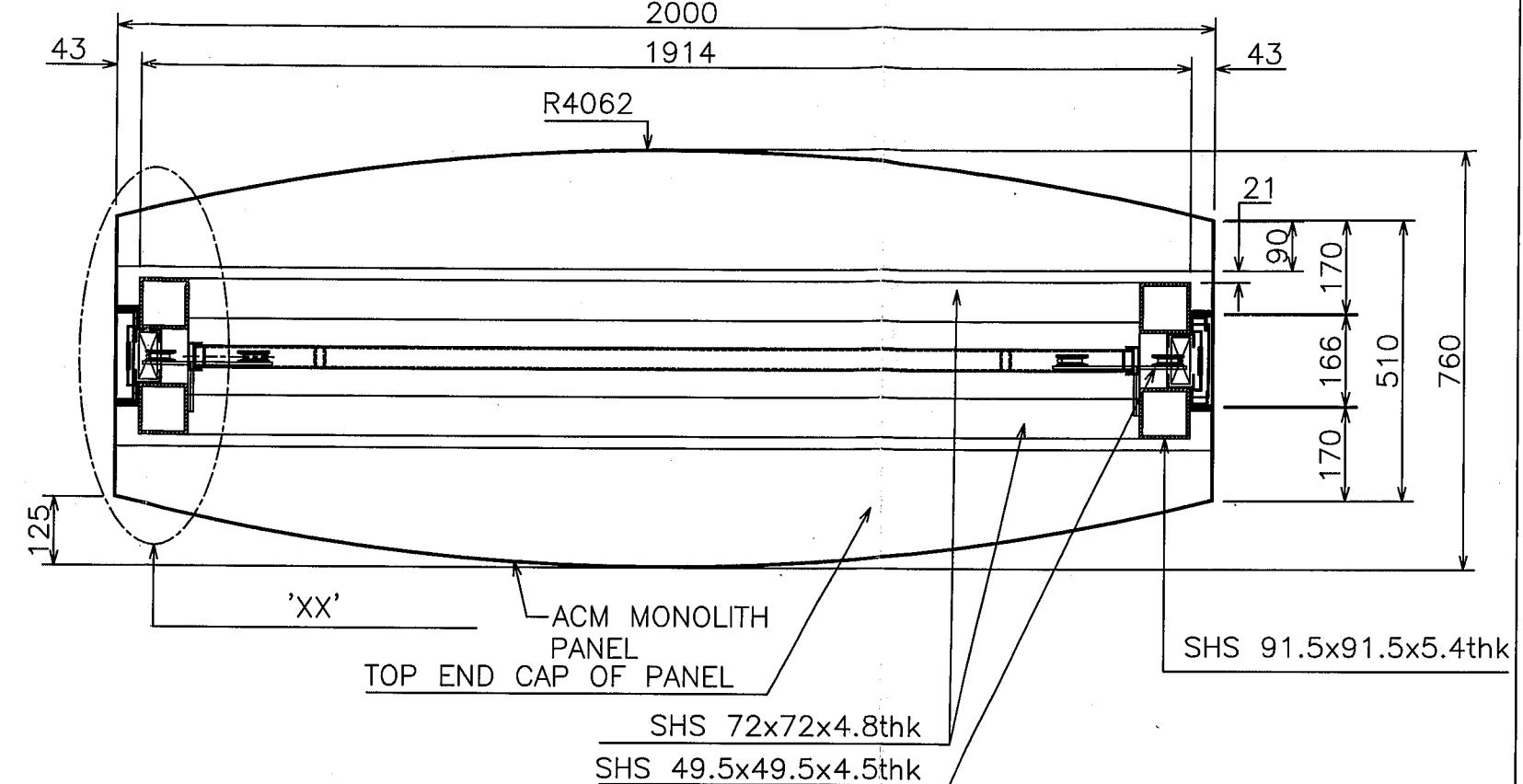
1	26.03.08	CHANGE IN OVERALL HEIGHT
S.NO.	DATE	REVISION DETAILS
REVISION		
INDIAN OIL CORPORATION LIMITED 'INDIANOIL BHAVAN' G-9, ALI YAVER JUNG MARG, BANDRA (EAST), MUMBAI - 400 051		
RVI ELEMENTS		
TITLE: MONOLITH - STRUCTURAL DETAILS		
CHKD. BY:	<i>Pint</i> <u>214108</u>	DATE: 26.03.2008
APPD. BY:		
DRN. BY : SHREE ENGINEERS		SCALE: --
DRAWING NO: IOCL-RVI-ML 02 / R01		SHEET : 2 OF 2



VIEW 'XX'



CLAMP FOR HANGING SUPPORT OF SIDE CAP

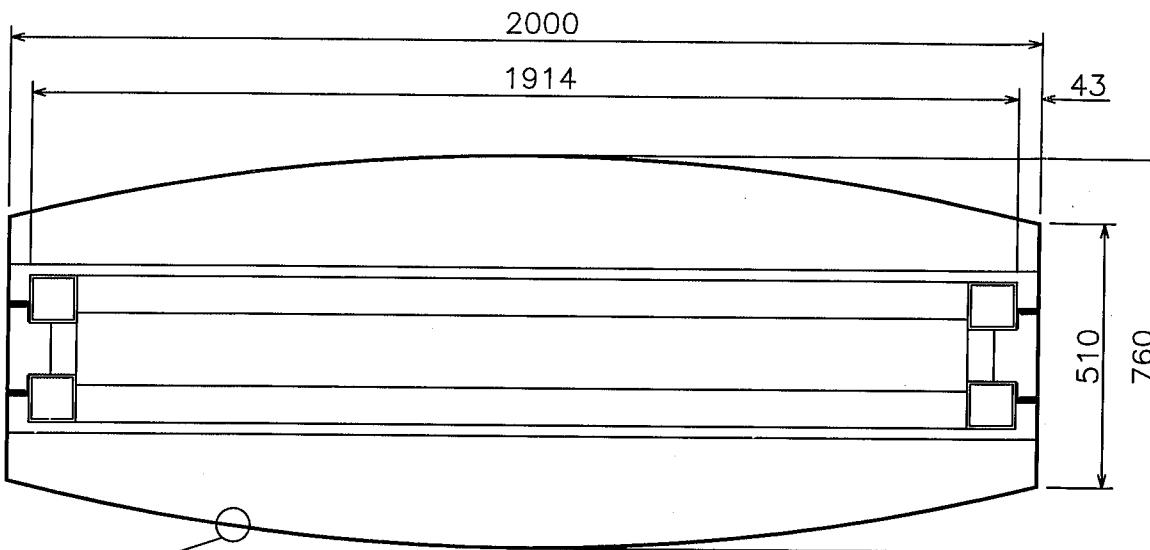


SUPPORT PLATE

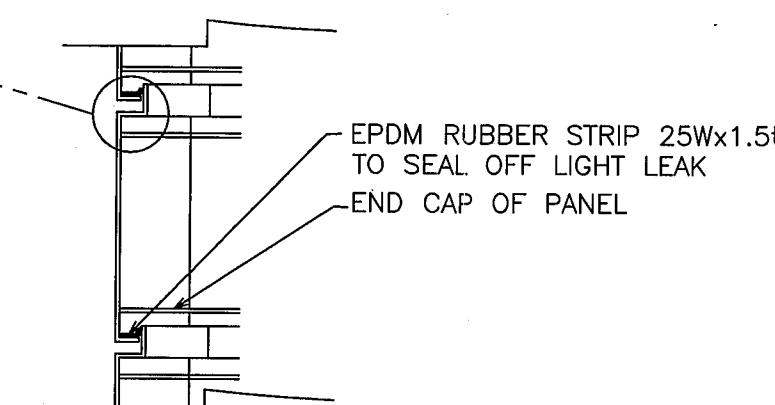
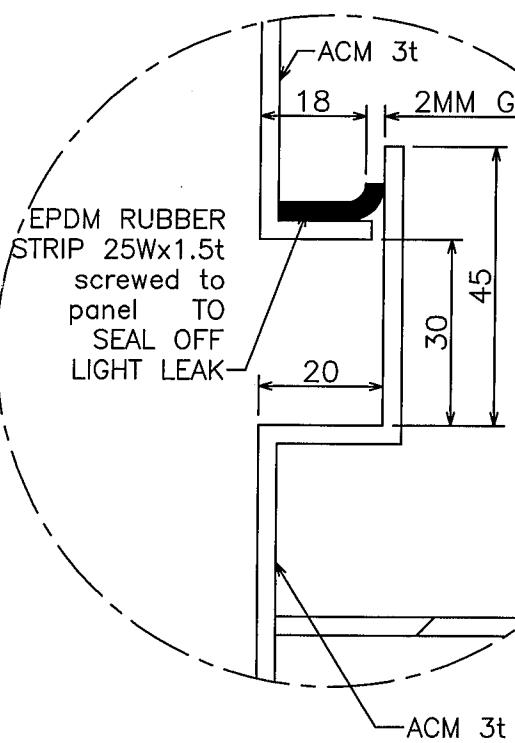
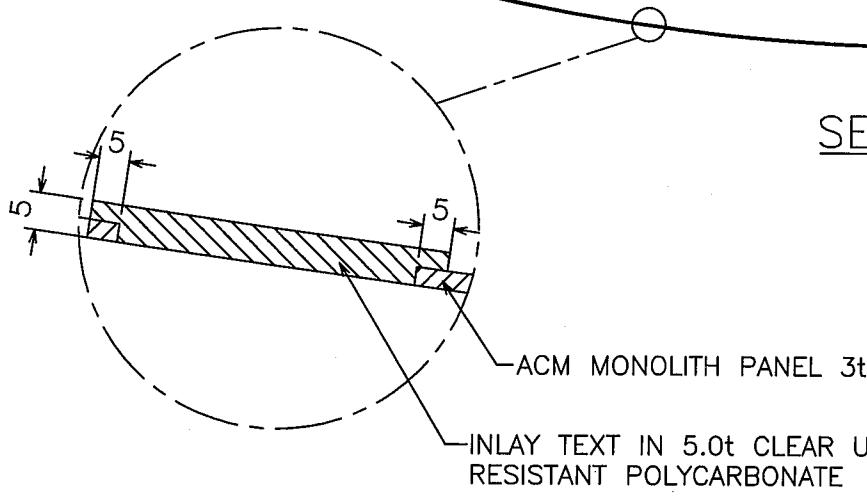
'Z' BRACKET

- ALL DIMENTION IN MM
 - DO NOT SCALE
 - IF IN DOUBT, PLEASE ASK

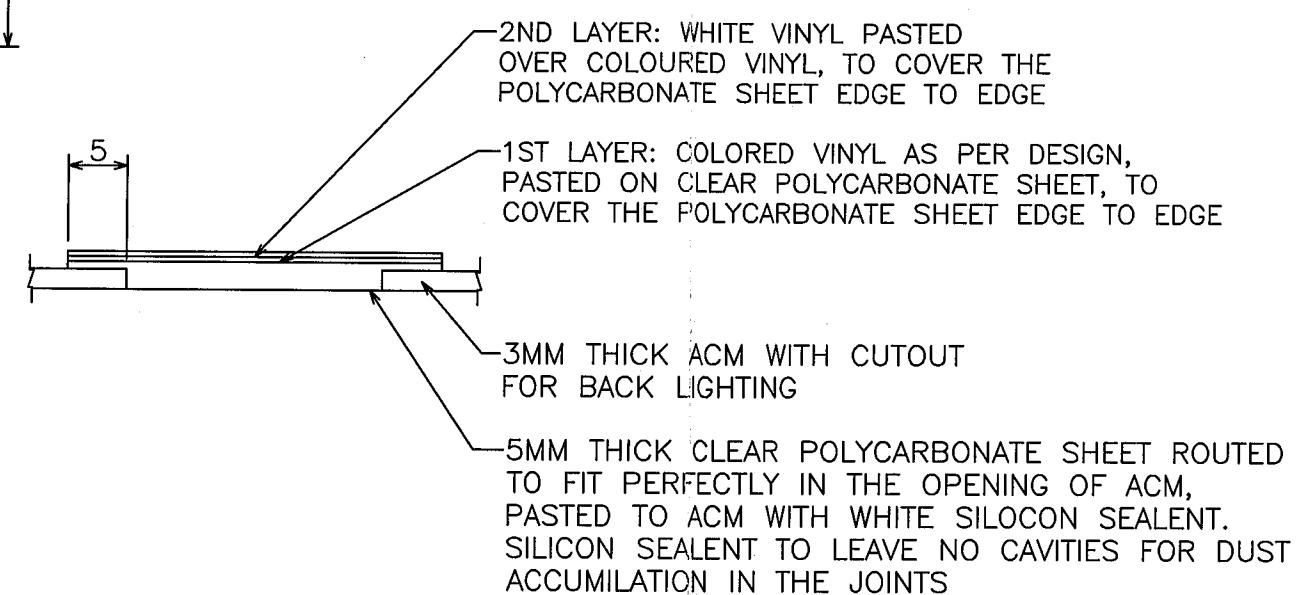
1	26.03.08	DETAILS OF 'Z' BRACKET ADDED
S.NO.	DATE	REVISION DETAILS
REVISION		
INDIAN OIL CORPORATION LIMITED 'INDIANOIL BHAVAN' G-9, ALI YAVER JUNG MARG, BANDRA (EAST), MUMBAI - 400 051		
RVI ELEMENTS		
TITLE: MONOLITH SECTION A-A VIEW		
CHKD. BY:	<u>P.S.</u> - 21/10/08	DATE: 26.03.2008
APPD. BY:	<u>DGM</u> 21/10/08 DGM (E)	
DRN. BY :	SHREE ENGINEERS	SCALE: --
DRAWING NO:	IOCL-RVI-ML 03 / R1	SHEET : 1 OF 1



SECTION B-B

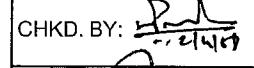
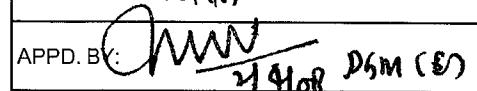


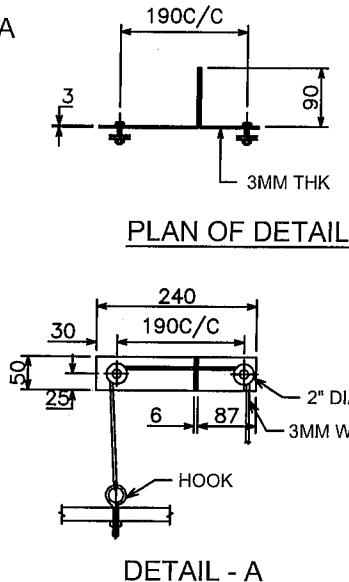
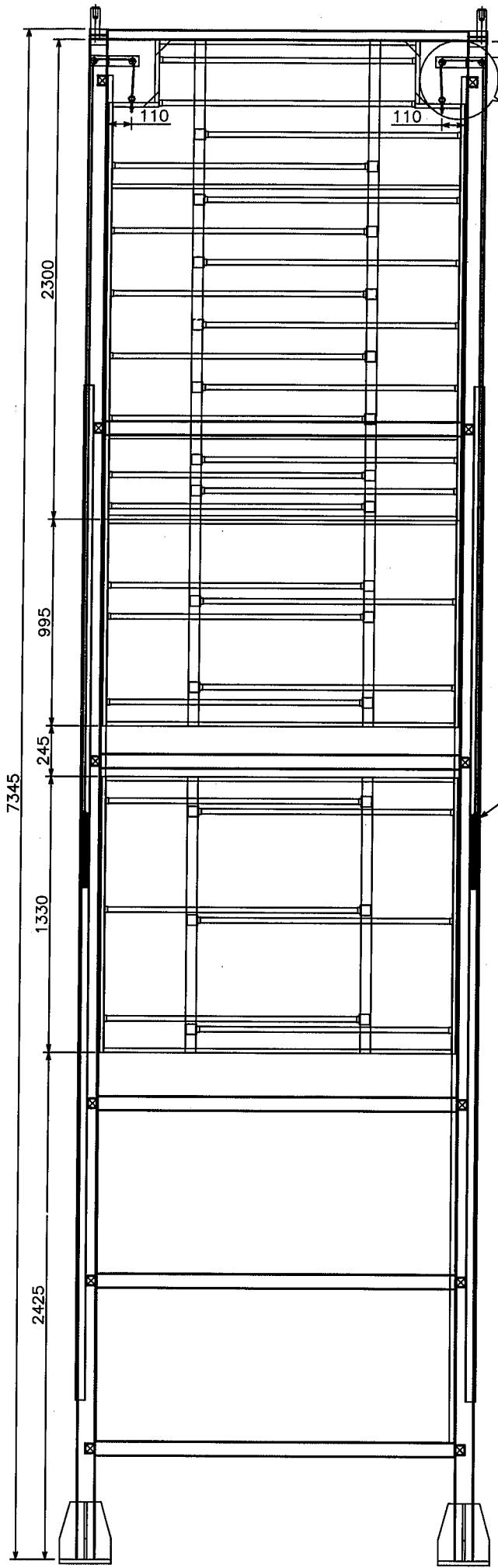
SECTION D-D



STANDARD DETAIL FOR FLUSH BACKLIT AREA

- ALL DIMENTION IN MM
- DO NOT SCALE
- IF IN DOUBT, PLEASE ASK

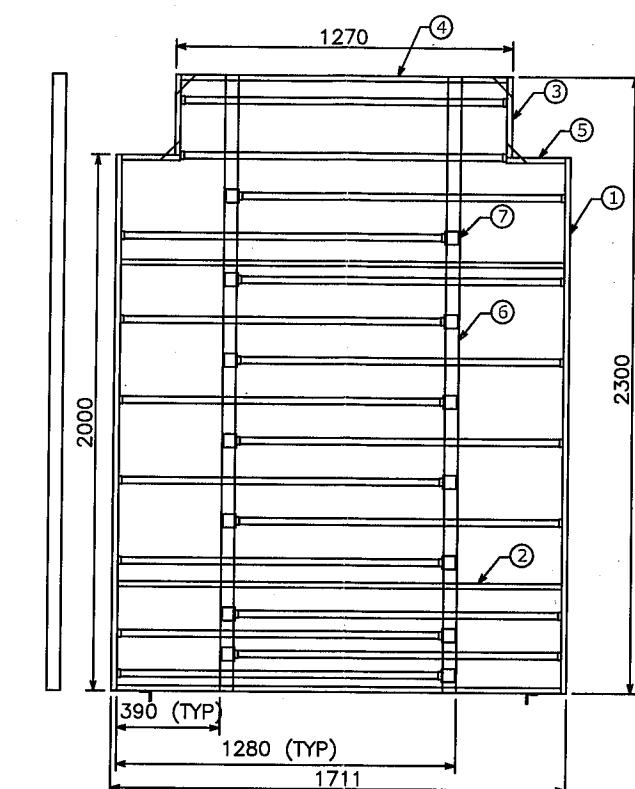
1	26.03.08	DETAILS OF PRICE DISPLAY WINDOW DELETED
S.NO.	DATE	REVISION DETAILS
REVISION		
INDIAN OIL CORPORATION LIMITED 'INDIANOIL BHAVAN' G-9, ALI YAVER JUNG MARG, BANDRA (EAST), MUMBAI - 400 051		
		
RVI ELEMENTS		
TITLE: MONOLITH SECTION B-B AND SECTION D-D VIEW		
CHKD. BY:		DATE: 26.03.2008
APPD. BY:		26.03.2008 DSM (E)
DRN. BY :	SHREE ENGINEERS	SCALE: --
DRAWING NO:	IOCL-RVI-ML 04 / R1	SHEET : 1 OF 1



DETAIL - A

COUNTER WEIGHT 15KG
EACH ON BOTH SIDE OF
COLUMN
REFER SECTION A-A FOR
DETAILS

Frame in 40x20x2thk Alu

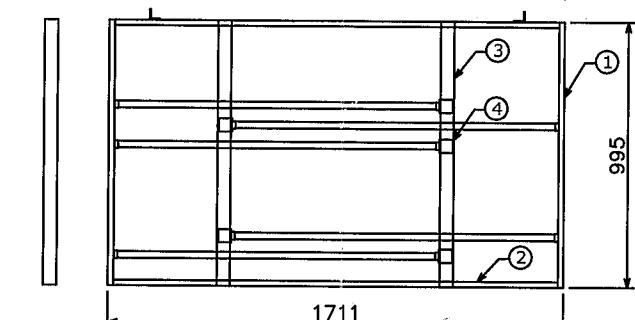


Support Frame for Mounting Tube light
in 50x2thk, Alu Strip

Light Frame
Type I
Qty - 1

7	ALU Angle 50x50x3t x 50Long	14
6	ALU CHANNEL 50x10x2tx2300 LONG	2
5	ALU RHS 40x20x221 LONG	2
4	ALU RHS 40x20x1230 LONG	1
3	ALU RHS 40x20x300 LONG	2
2	ALU RHS 40x20x1671 LONG	3
1	ALU RHS 40x20x2000 LONG	2
SR.NO	DESCRIPTION	QTY

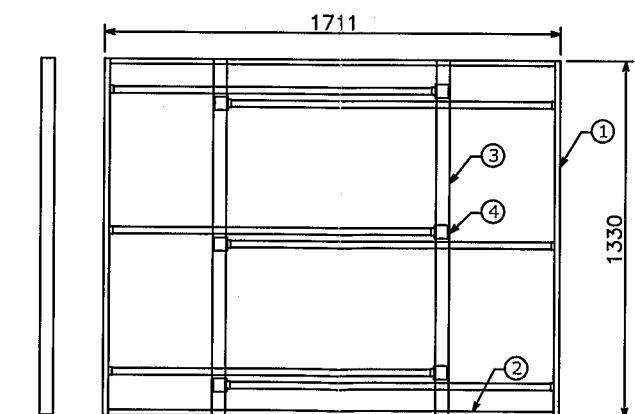
Light Frame - Type - I



Light Frame
Type II
Qty - 1

4	ALU Angle 50x50x3t x 50Long	5
3	ALU CHANNEL 50x10x2tx995 LONG	2
2	ALU RHS 40x20x1671 LONG	2
1	ALU RHS 40x20x995 LONG	2
SR.NO	DESCRIPTION	QTY

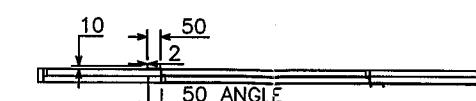
Light Frame - Type - II



Light Frame
Type III
Qty - 1

4	ALU Angle 50x50x3t x 50Long	6
3	ALU CHANNEL 50x10x2tx1330 LONG	2
2	ALU RHS 40x20x1671 LONG	2
1	ALU RHS 40x20x1330 LONG	2
SR.NO	DESCRIPTION	QTY

Light Frame - Type - III



(FOR ENLARGED VIEW REFER SHEET 2 OF 2)

- ALL DIMENTION IN MM
- DO NOT SCALE
- IF IN DOUBT, PLEASE ASK

1	26.03.08	DETAILS OF PRICE DISPLAY WINDOW DELETED
S.NO.	DATE	REVISION DETAILS

REVISION
INDIAN OIL CORPORATION LIMITED
'INDIANOL BHAVAN' G-9, ALI YAVER JUNG MARG,
BANDRA (EAST), MUMBAI - 400 051



RVI ELEMENTS

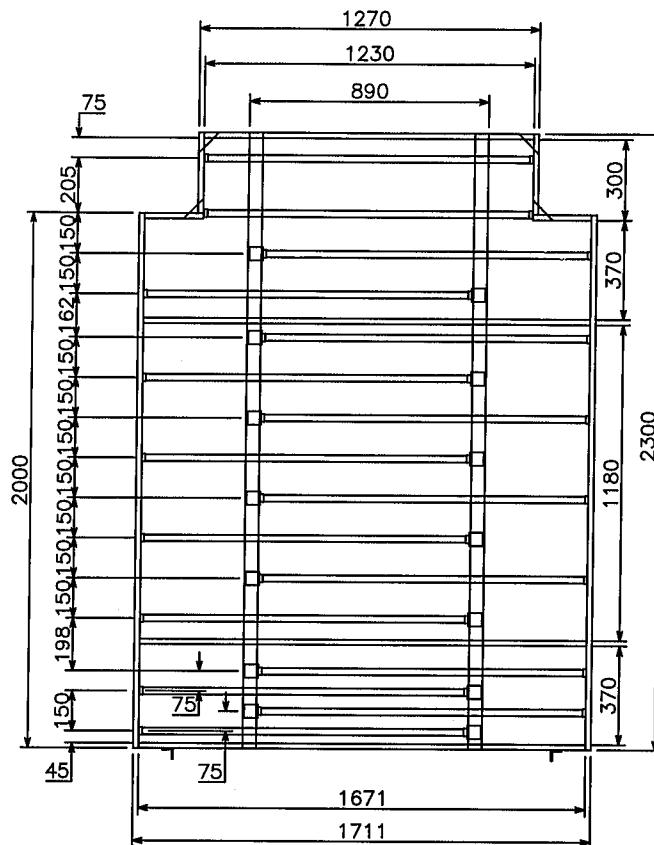
TITLE:
MONOLITH - LIGHT TRAY FRAME ASSEMBLY

CHKD. BY: DATE: 26.03.2008

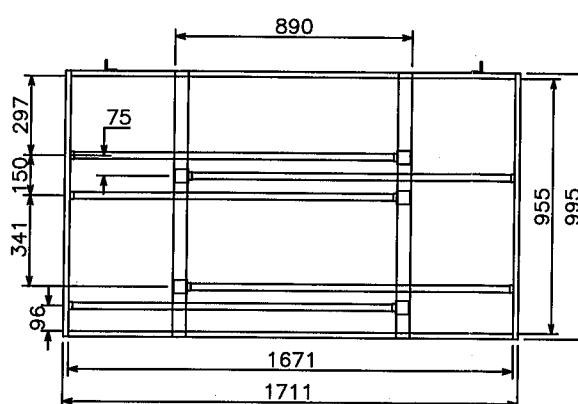
APPD. BY: DATE: 26.03.2008

DRN. BY : SHREE ENGINEERS SCALE: --

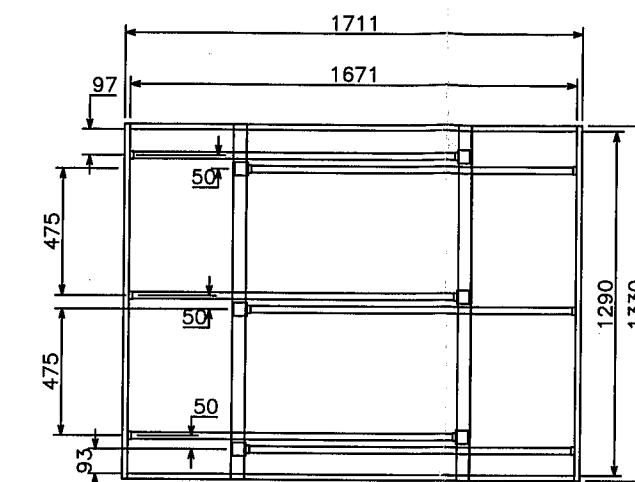
DRAWING NO: IOCL-RVI-ML 05 / R01 SHEET : 1 OF 2



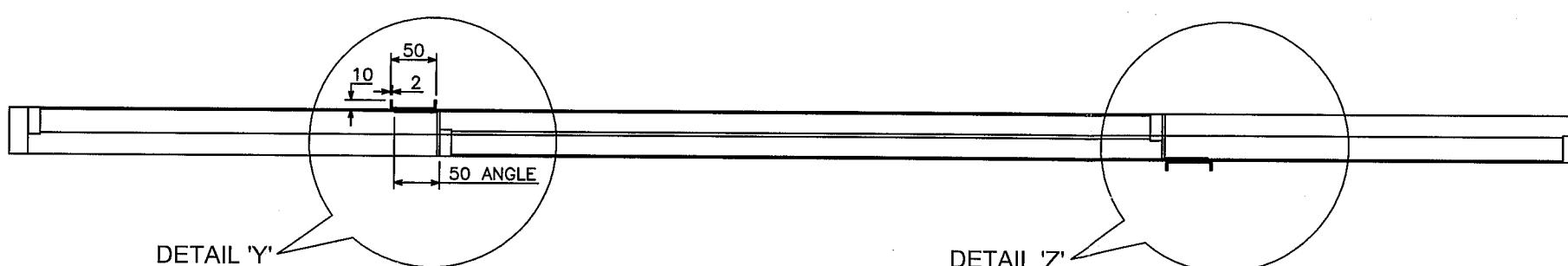
LIGHT TRAY FRAME I
SLIDING
WITH LIGHT ASSEMBLY
16 NOS., 36W TUBELIGHTS
WITH ELECTRONIC BALLAST



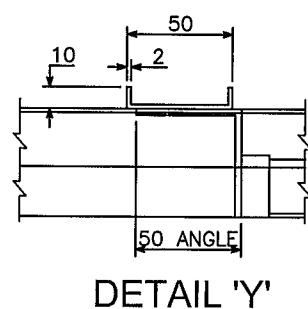
LIGHT TRAY FRAME II
SLIDING
WITH LIGHT ASSEMBLY
5 NOS., 36W TUBELIGHTS
WITH ELECTRONIC BALLAST



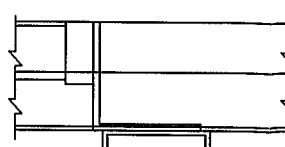
**LIGHT TRAY FRAME II
SLIDING
WITH LIGHT ASSEMBLY
6 NOS., 36W TUBELIGHTS
WITH ELECTRONIC BALLAST**



ENLARGED VIEW OF TUBE LIGHT MOUNTING DETAIL S

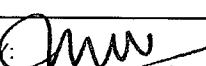


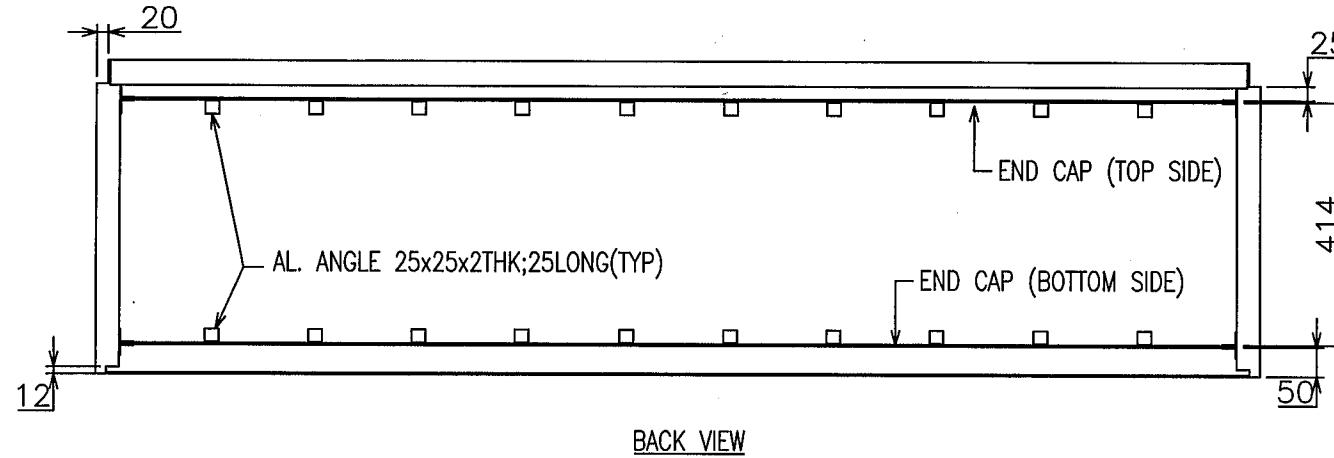
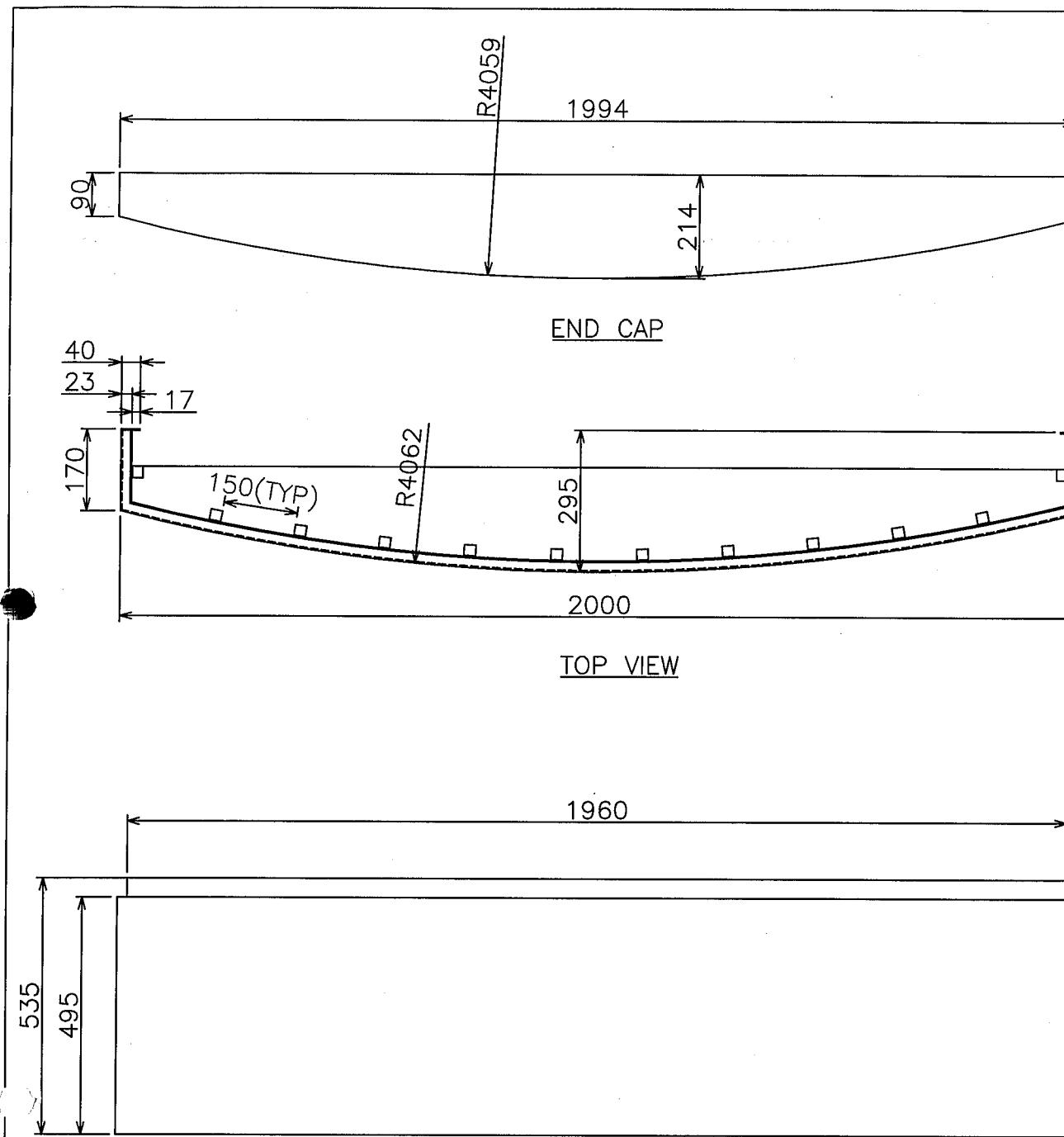
DETAIL 'Y'



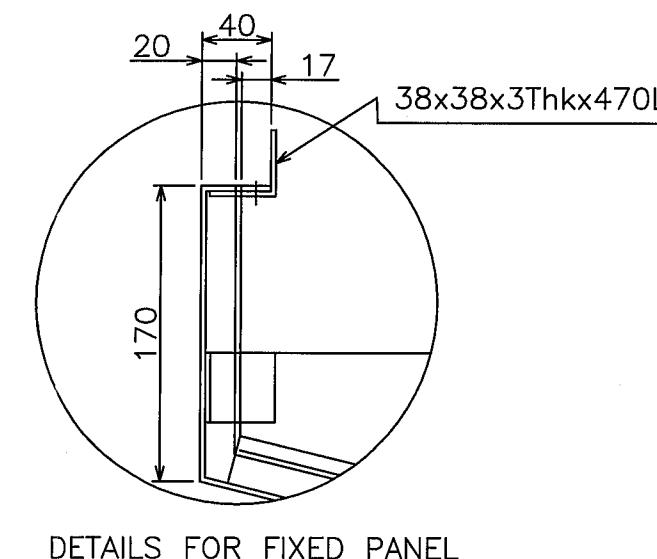
DETAIL 'Z

- ALL DIMENTION IN MM
- DO NOT SCALE
- IF IN DOUBT, PLEASE ASK

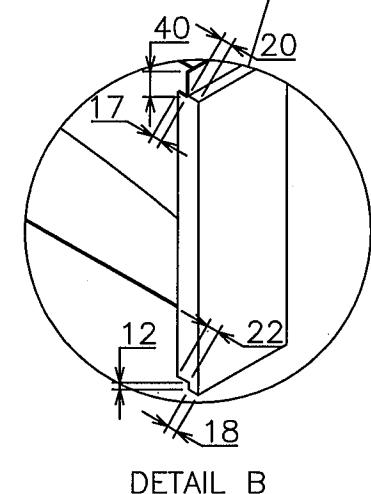
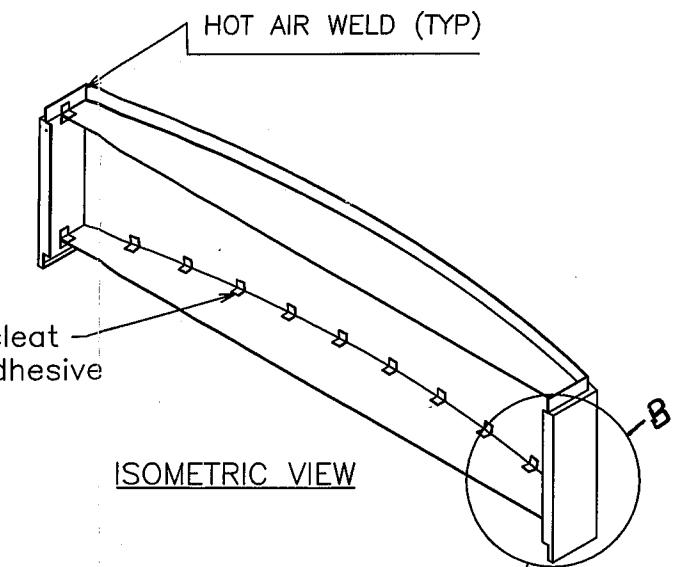
1	26.03.08	DETAILS OF PRICE DISPLAY WINDOW DELETED
S.NO.	DATE	REVISION DETAILS
REVISION		
INDIAN OIL CORPORATION LIMITED 'INDIANOIL BHAVAN' G-9, ALI YAVER JUNG MARG, BANDRA (EAST), MUMBAI - 400 051 		
RVI ELEMENTS		
TITLE:		
MONOLITH - TUBE LIGHT MOUNTING FRAMES		
CHKD. BY:	 <small>26/03/08</small>	
APPD. BY:	 <small>27/03/08</small>	
DRN. BY : SHREE ENGINEERS	DATE: 26.03.2008	
DRAWING NO: IOCL-RVI-ML 05 / R01	SCALE: --	
	SHEET : 2 OF 2	



Typical Panel

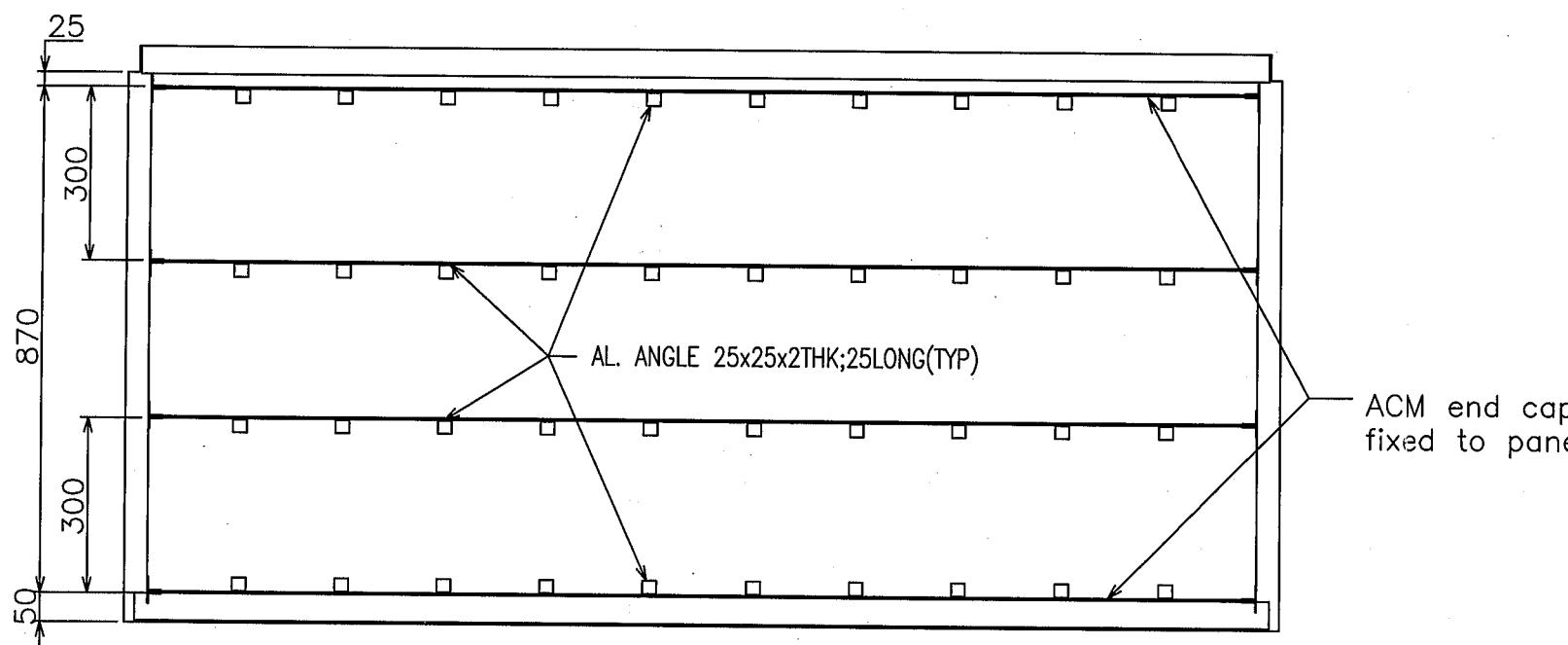
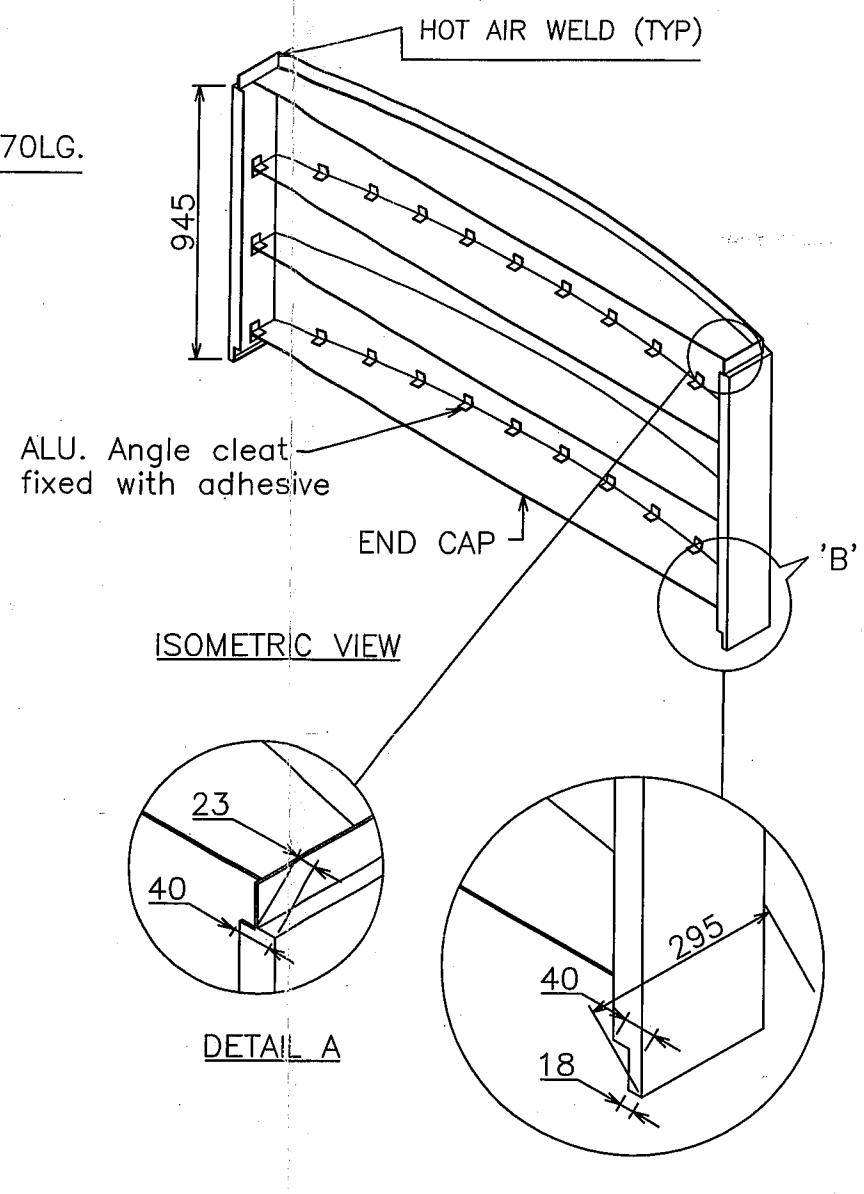
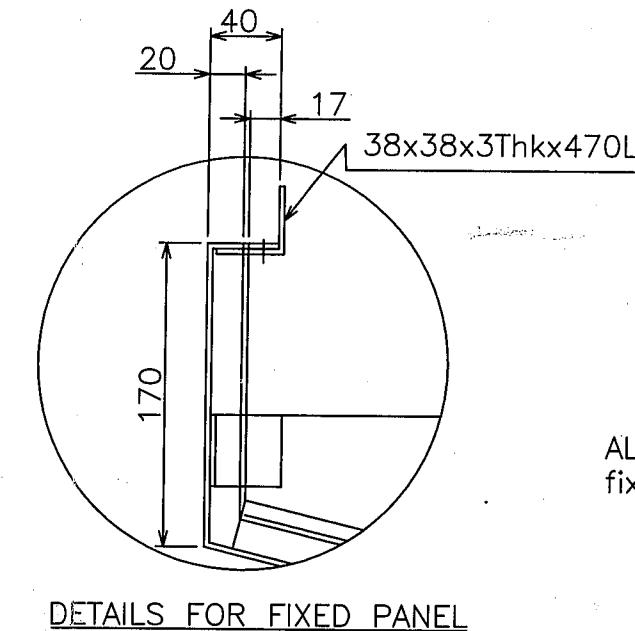
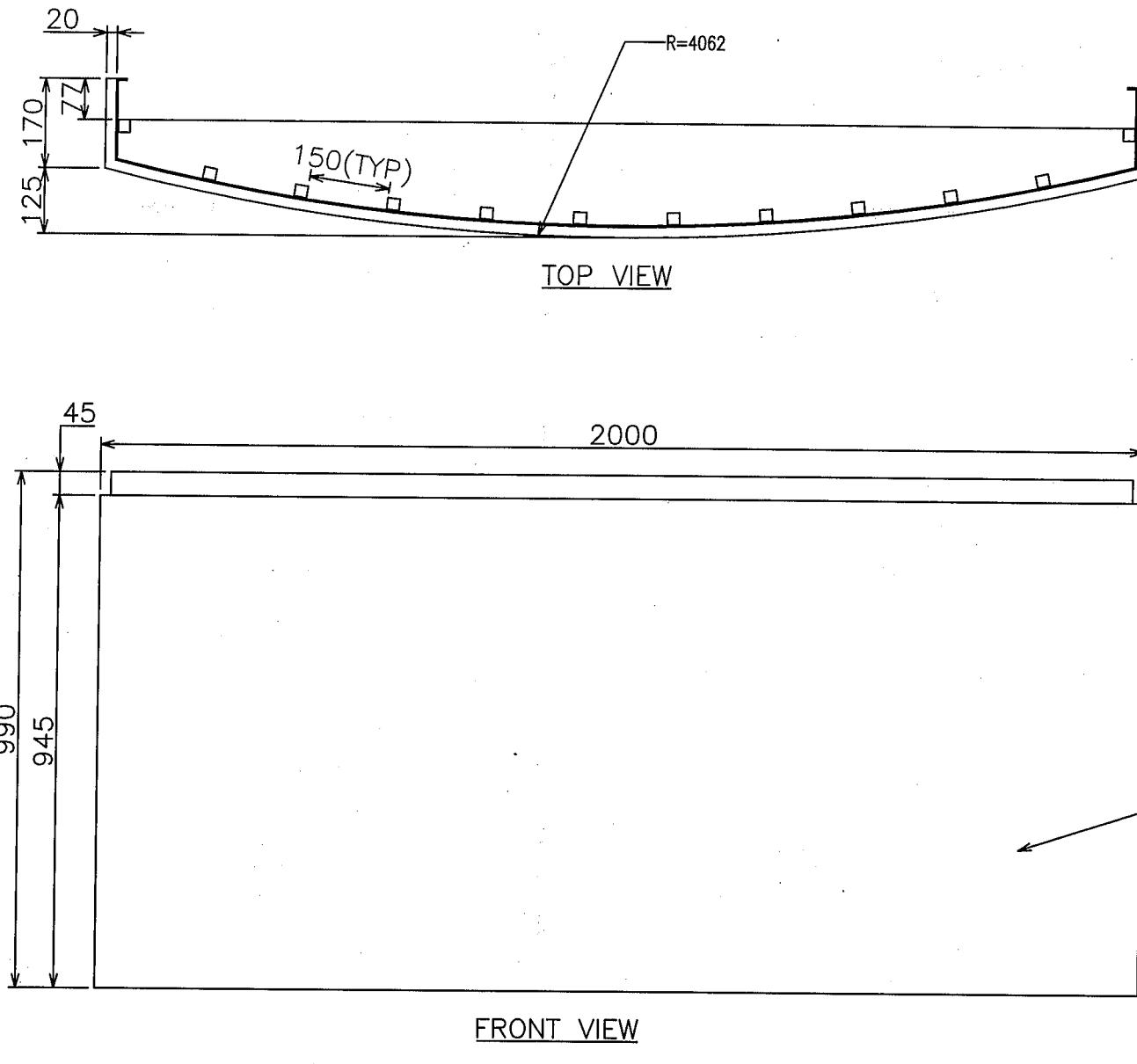


ALU. Angle cleat
fixed with adhesive

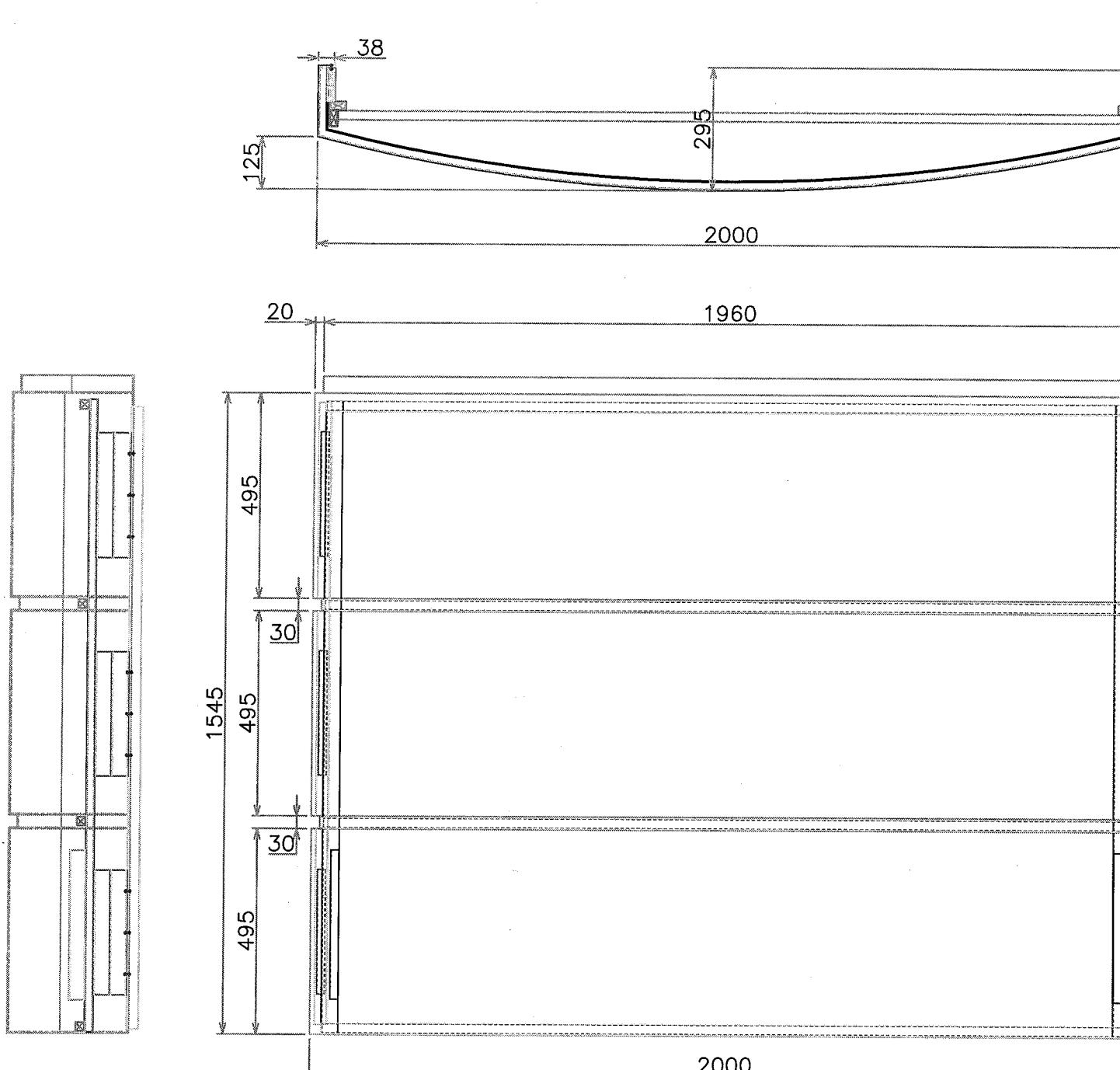


- ALL DIMENTION IN MM
- DO NOT SCALE
- IF IN DOUBT, PLEASE ASK

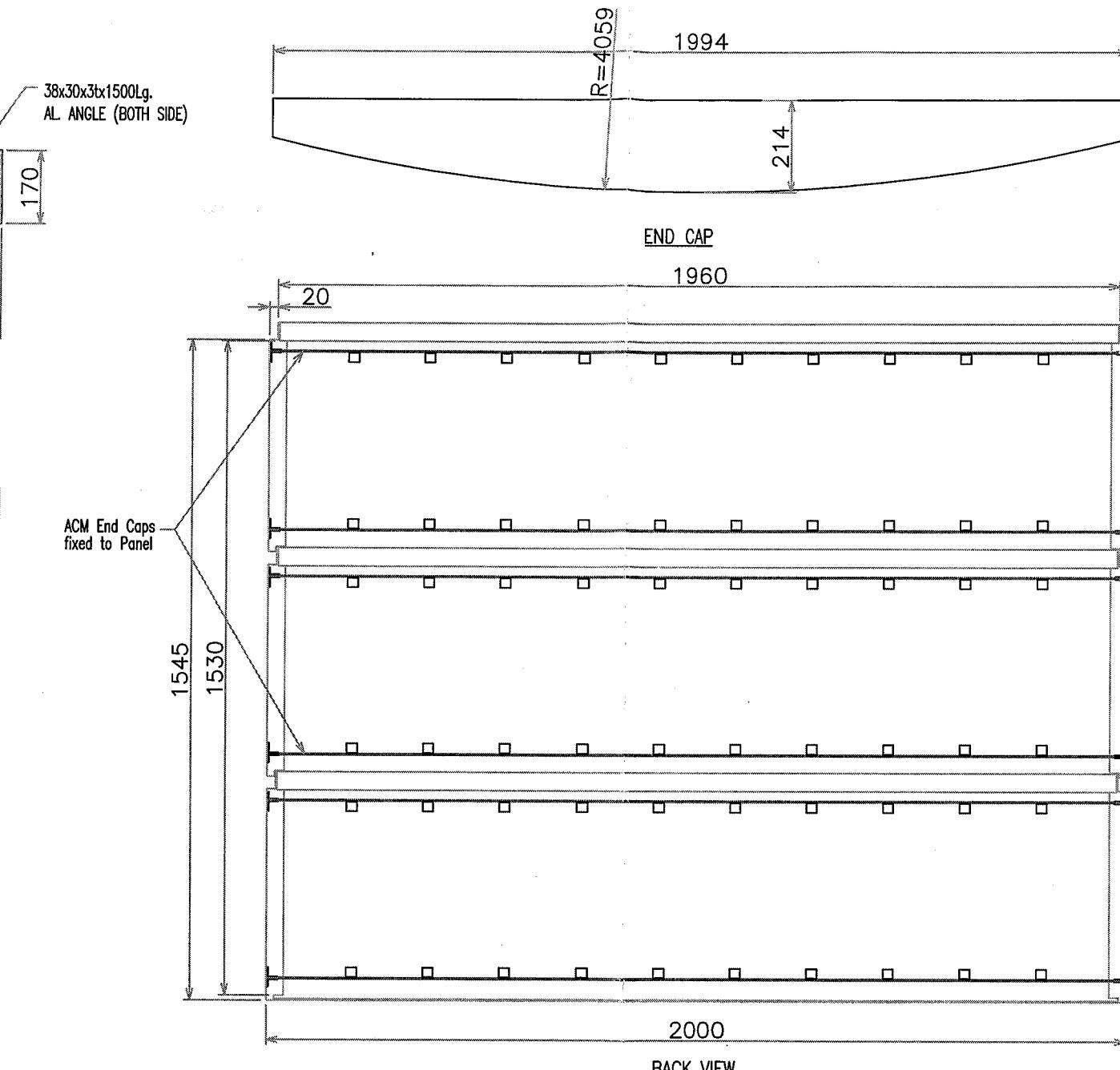
S.NO.	DATE	REVISION DETAILS
REVISION		
INDIAN OIL CORPORATION LIMITED 'INDIANOIL BHAVAN' G-9, ALI YAVER JUNG MARG, BANDRA (EAST), MUMBAI - 400 051		
RVI ELEMENTS		
TITLE: MONOLITH - DETAILS OF 495 PANEL		
CHKD. BY:		
DATE: 26.03.2008		
APPD. BY:		
DRN. BY : SHREE ENGINEERS		
DRAWING NO: IOCL-RVI-ML 06 / R00		
SCALE: --		
SHEET : 1 OF 5		



S.NO.	DATE	REVISION DETAILS
REVISION		
INDIAN OIL CORPORATION LIMITED 'INDIANOIL BHAVAN' G-9, ALI YAVER JUNG MARG, BANDRA (EAST), MUMBAI - 400 051		
RVI ELEMENTS		
TITLE: MONOLITH - DETAILS OF 945 PANEL		
CHKD. BY: <i>[Signature]</i>		DATE: 26.03.2008
APPD. BY: <i>[Signature]</i>		DRN. BY: SHREE ENGINEERS
DRAWING NO: IOCL-RVI-ML 06 / R00		SCALE: --
SHEET: 2 OF 5		



FRONT VIEW



ACM End Caps
fixed to Panel

- ALL DIMENTION IN MM
- DO NOT SCALE
- IF IN DOUBT, PLEASE ASK

S.NO	DATE	REVISION DETAILS
REVISION		

INDIAN OIL CORPORATION LIMITED
'INDIANOIL BHAVAN' G-9, ALI YAVER JUNG MARG,
BANDRA (EAST), MUMBAI - 400 051

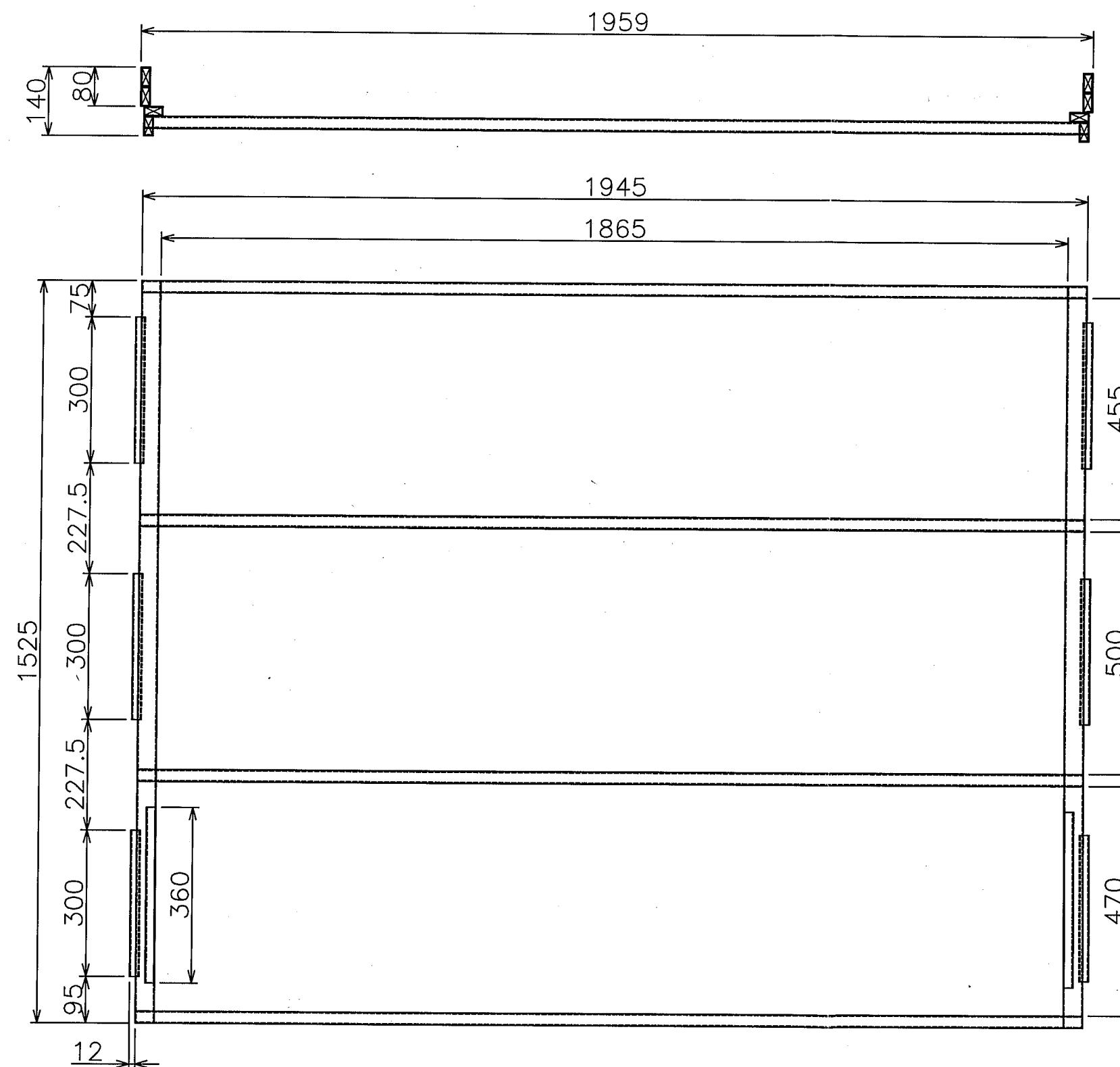


RVI ELEMENTS

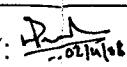
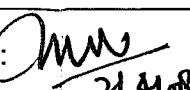
TITLE:
MONOLITH - HINGED PANEL ASSEMBLY

CHKD. BY:		DATE: 26.03.2008
APPD. BY:		
DRN. BY :	SHREE ENGINEERS	SCALE: --
DRAWING NO:	IOCL-RVI-ML 06 / R00	SHEET: 3 OF 5

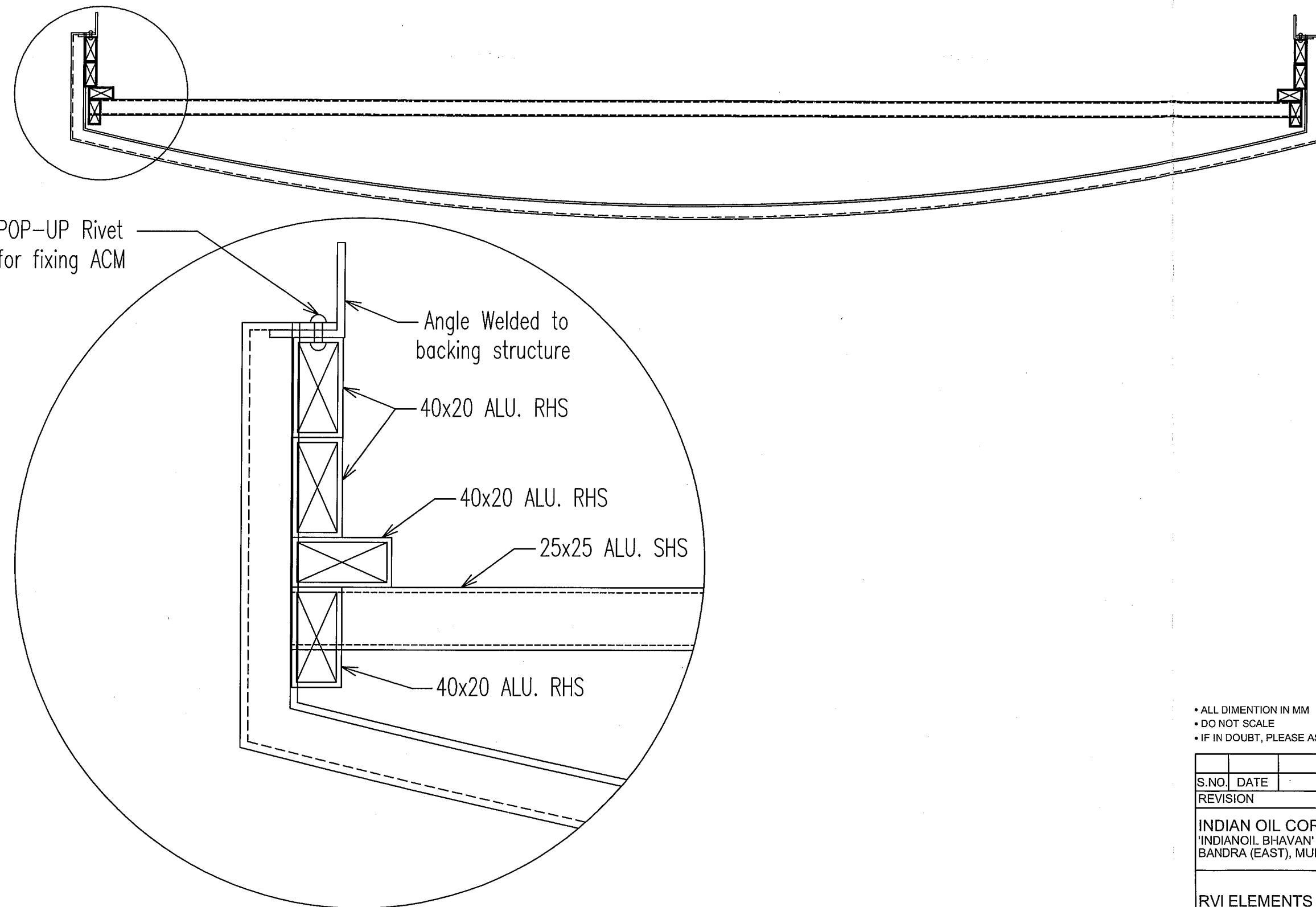
SR.NO	DESCRIPTION	QTY
3	1/8"x3/8" Pop-up Rivet	60
2	ACM Sunrise Silver 220x2000	20
1	ACM Sunrise Silver 625x2500	10



- ALL DIMENTION IN MM
- DO NOT SCALE
- IF IN DOUBT, PLEASE ASK

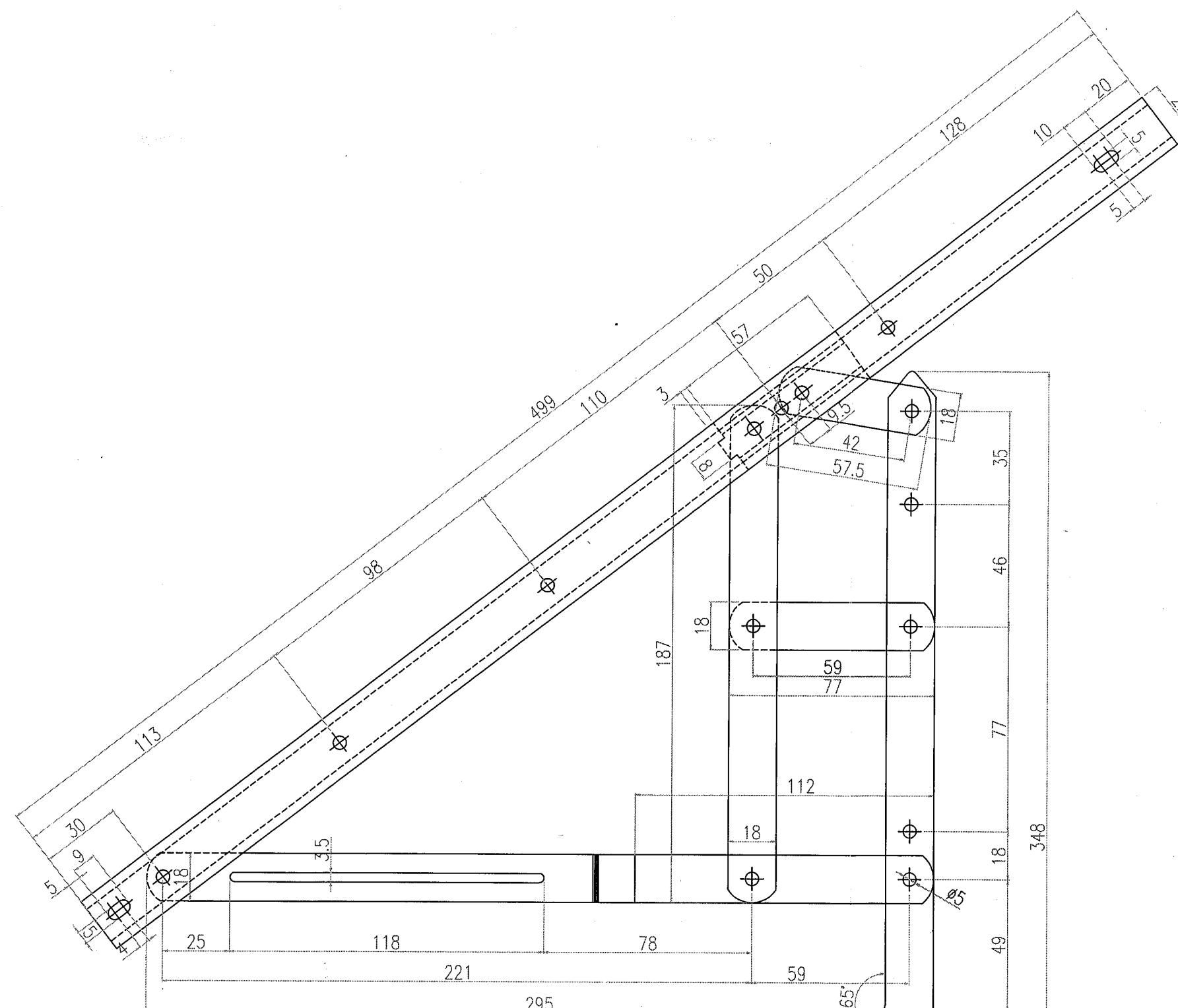
S.NO.	DATE	REVISION DETAILS
REVISION		
INDIAN OIL CORPORATION LIMITED 'INDIANOIL BHAVAN' G-9, ALI YAVER JUNG MARG, BANDRA (EAST), MUMBAI - 400 051		
		
RVI ELEMENTS		
TITLE: MONOLITH - DETAILS OF FRAMES FOR HINGED PANEL		
CHKD. BY: 		
DATE: 26.03.2008		
APPD. BY:  DGM (E)		
DRN. BY : SHREE ENGINEERS		
SCALE: --		
DRAWING NO: IOCL-RVI-ML 06 / R00		
SHEET : 4 OF 5		

SR.NO	DESCRIPTION	QTY
1	ALU SHS 25x25x1945 LONG	4
2	ALU RHS 40x20x300 LONG	12
3	ALU RHS 40x20x1525 LONG	2
4	ALU RHS 40x20x360 LONG	2



- ALL DIMENTION IN MM
- DO NOT SCALE
- IF IN DOUBT, PLEASE ASK

S.NO.	DATE	REVISION DETAILS
REVISION		
INDIAN OIL CORPORATION LIMITED 'INDIANOIL BHAVAN' G-9, ALI YAVER JUNG MARG, BANDRA (EAST), MUMBAI - 400 051		
RVI ELEMENTS		
TITLE: MONOLITH - DETAILS OF FRAME FOR HINGED PANEL		
CHKD. BY:		DATE: 26.03.2008
APPD. BY:		SCALE: --
DRN. BY : SHREE ENGINEERS		
DRAWING NO: IOCL-RVI-ML 06 / R00		SHEET : 5 OF 5



SCISSOR HINGE

READYMADE HINGE TO BE FABRICATED &
WELDED TO THIS SHAPE

- ALL DIMENTION IN MM
- DO NOT SCALE
- IF IN DOUBT, PLEASE ASK

1	26.03.08	SIZE OF SCISSOR HINGE CHANGED
S.NO.	DATE	REVISION DETAILS
REVISION		

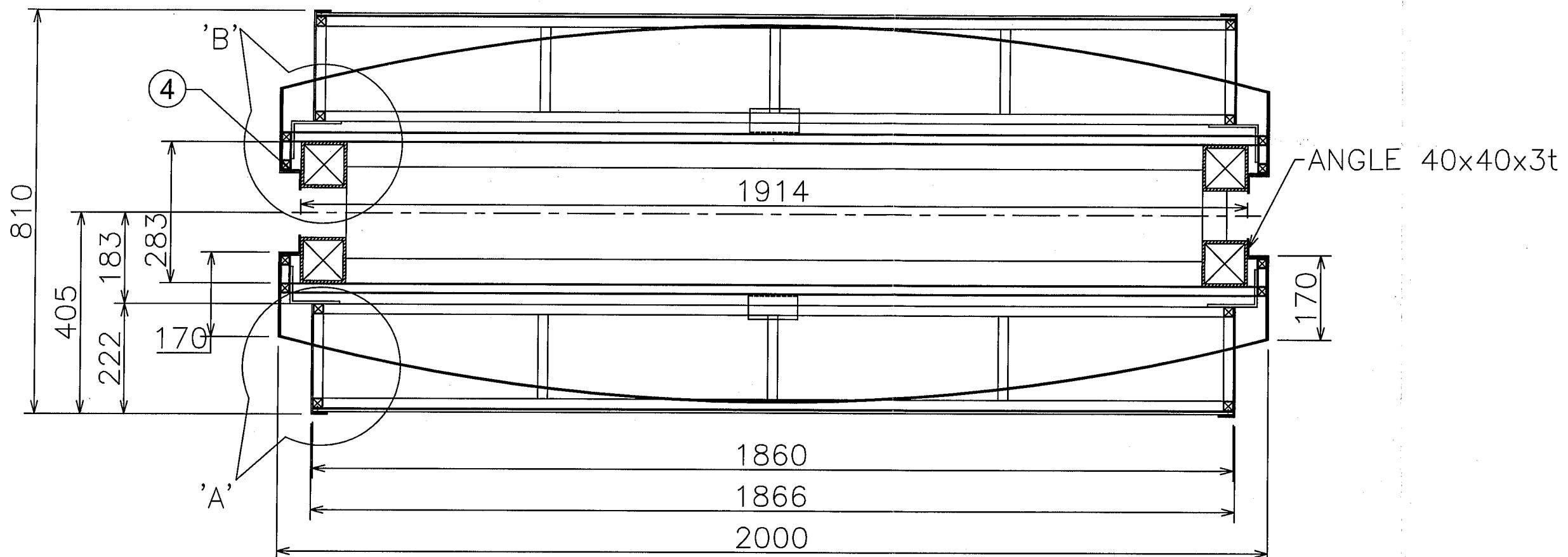
INDIAN OIL CORPORATION LIMITED
'INDIANOIL BHAVAN' G-9, ALI YAYER JUNG MARG,
BANDRA (EAST), MUMBAI - 400 051



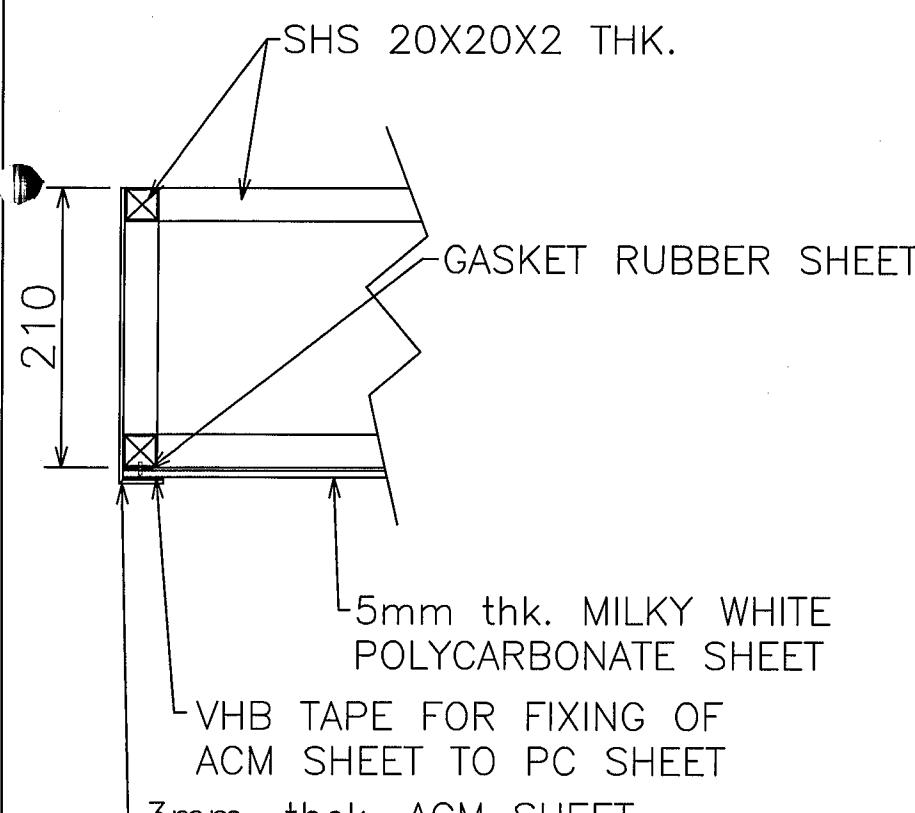
RVI ELEMENTS

TITLE:
MONOLITH - SCISSOR HINGE DETAILS

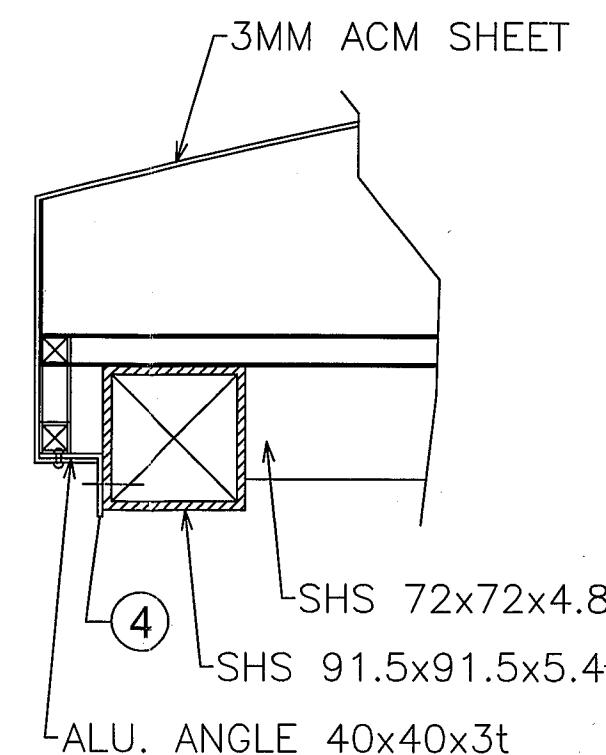
CHKD. BY: <i>DhM</i> 26.03.08	DATE: 26.03.2008
APPD. BY: <i>DhM</i> 26.03.08	
DRN. BY : SHREE ENGINEERS	SCALE: --
DRAWING NO: IOCL-RVI-ML 07 / R1	SHEET : 1 OF 1



SECTION C-C

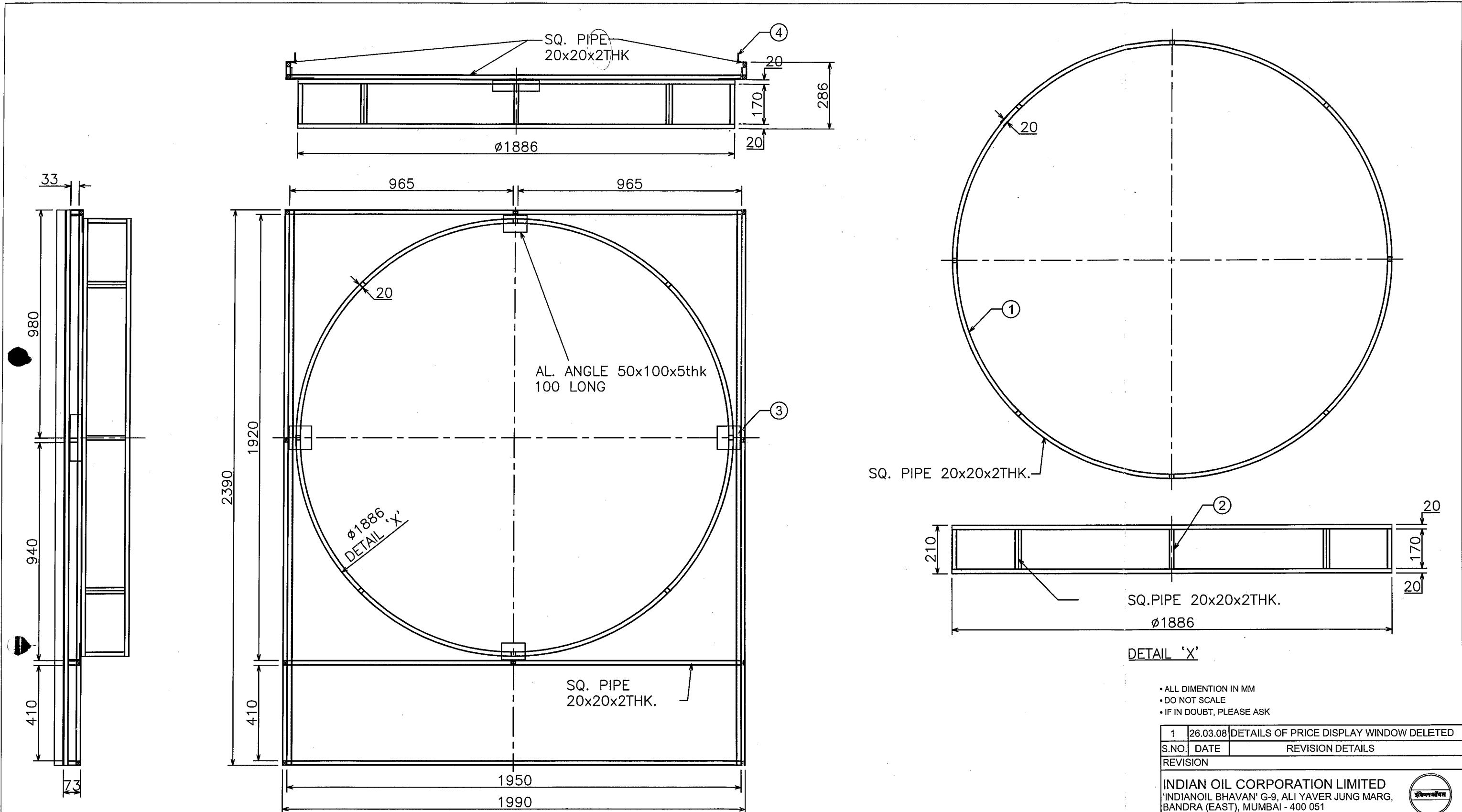


DETAIL - 'A'



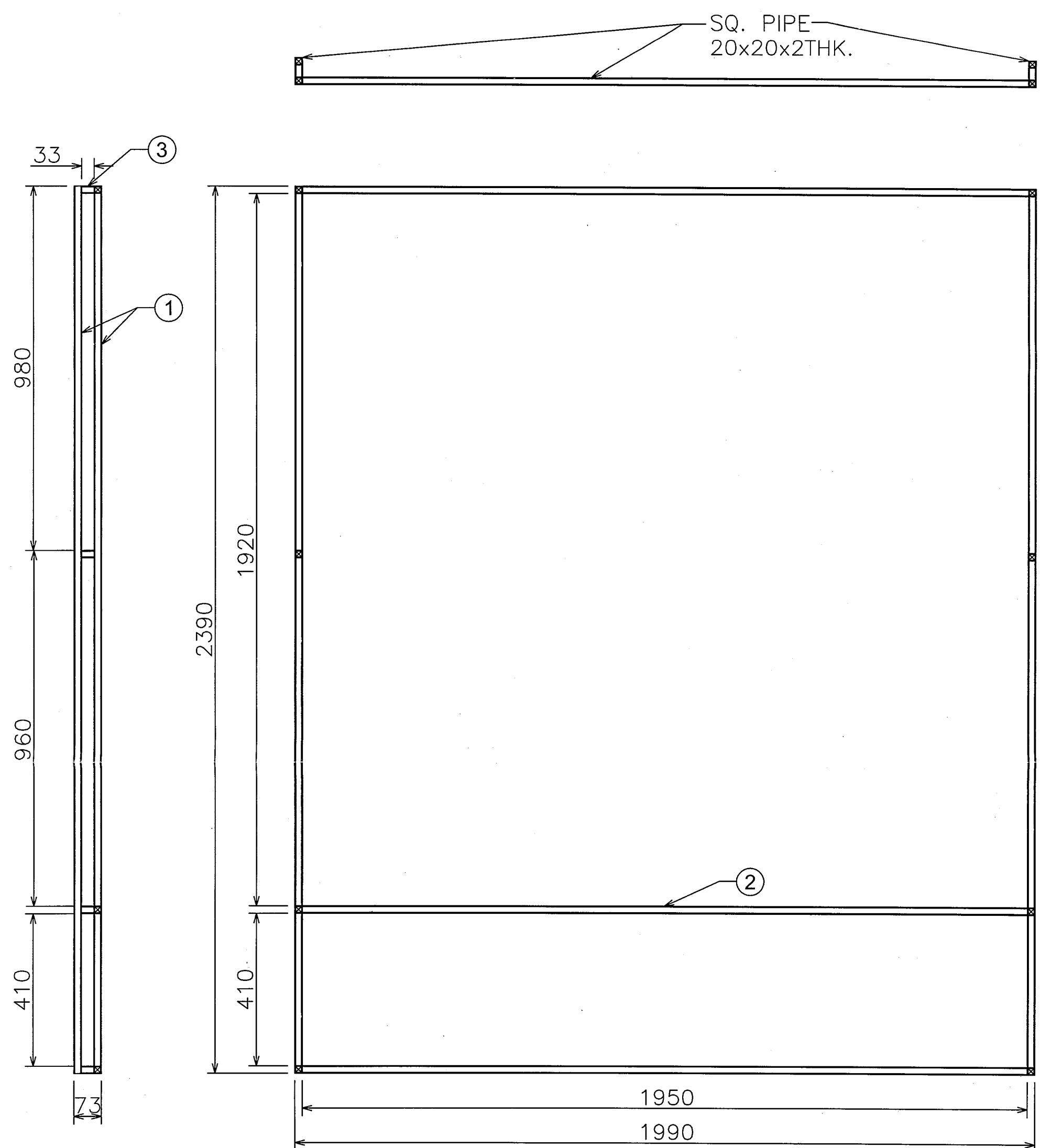
DETAIL - 'B'

S.NO.	DATE	REVISION DETAILS
REVISION		
INDIAN OIL CORPORATION LIMITED 'INDIANOIL BHAVAN' G-9, ALI YAVER JUNG MARG, BANDRA (EAST), MUMBAI - 400 051		
RVI ELEMENTS		
TITLE: MONOLITH SECTION C-C VIEW		
CHKD. BY:	P.J. 26/3/08	DATE: 26.03.2008
APPD. BY:	M.W. 26/3/08	Dm (E)
DRN. BY:	SHREE ENGINEERS	SCALE: --
DRAWING NO:	IOCL-RVI-ML 08 / R01	SHEET : 1 OF 3



SR.NO	DESCRIPTION	QTY
4	AL. ANGLE 40x40x3, 2390 LONG	2 NOS.
3	AL. ANGLE 50x100x5, 100 LONG	4 NOS.
2	AL. SHS 20x20x2THK;170 LONG	8 NOS.
1	AL. SHS 20x20x2THK;5920 LONG	2 NOS.

1	26.03.08	DETAILS OF PRICE DISPLAY WINDOW DELETED
S.NO.	DATE	REVISION DETAILS
REVISION		
INDIAN OIL CORPORATION LIMITED 'INDIANOIL BHAVAN' G-9, ALI YAVER JUNG MARG, BANDRA (EAST), MUMBAI - 400 051		
RVI ELEMENTS		
TITLE: MONOLITH SECTION C-C - LOGO PANEL FRAME VIEW		
CHKD. BY: <i>[Signature]</i>		DATE: 26.03.2008
APPD. BY: <i>[Signature]</i> Dm (E) <i>[Signature]</i>		
DRN. BY : SHREE ENGINEERS		SCALE: --
DRAWING NO: IOCL-RVI-ML 08 / R1		SHEET : 2 OF 3



• ALL DIMENTION IN MM
 • DO NOT SCALE
 • IF IN DOUBT, PLEASE ASK

S.NO.	DATE	DETAILS OF PRICE DISPLAY WINDOW DELETED
REVISION		

INDIAN OIL CORPORATION LIMITED
 'INDIANOIL BHAVAN' G-9, ALI YAVER JUNG MARG,
 BANDRA (EAST), MUMBAI - 400 051

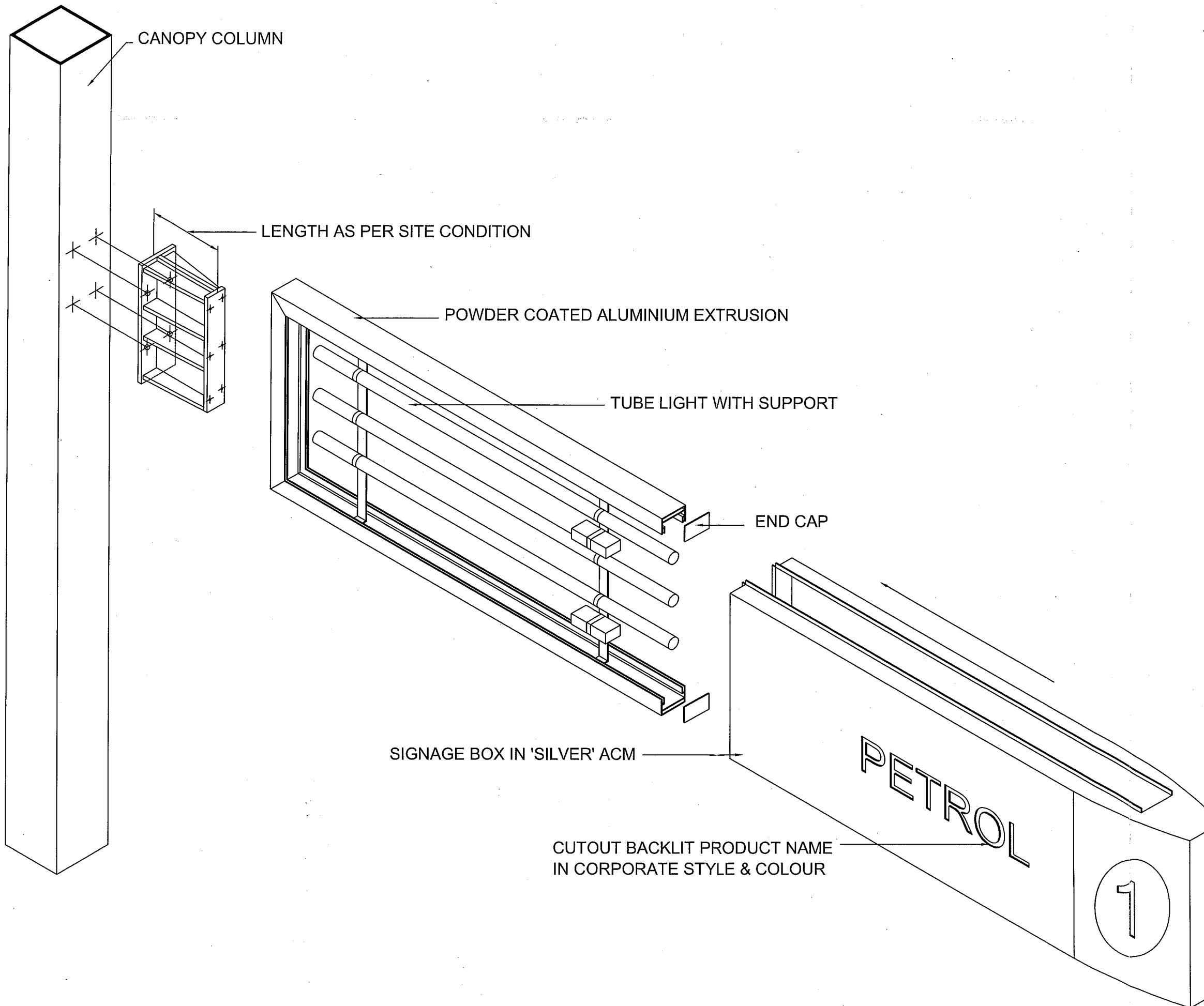


RVI ELEMENTS

TITLE:
MONOLITH SECTION C-C - LOGO PANEL FRAME VIEW

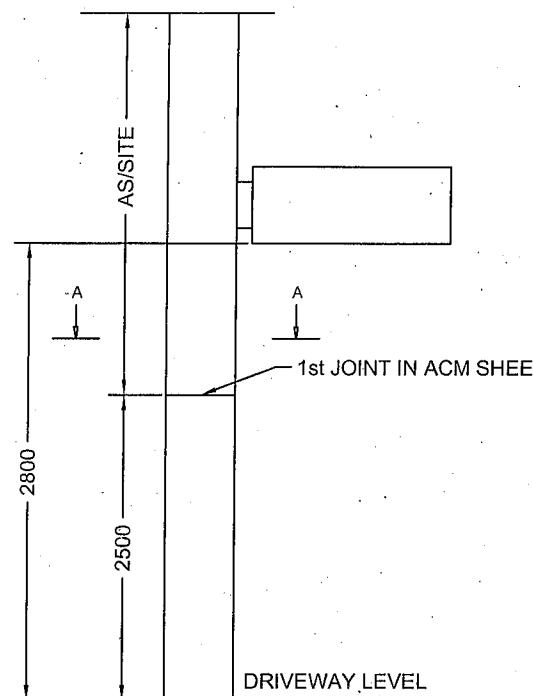
CHKD. BY: <i>[Signature]</i>	DATE: 26.03.2008
APPD. BY: <i>[Signature]</i>	DATE: 26.03.2008
DRN. BY: SHREE ENGINEERS	SCALE: --
DRAWING NO: IOCL-RVI-ML 08 / R1	SHEET : 3 OF 3

SR.NO	DESCRIPTION	QTY
3	AL. SHS 20x20x2THK; 33 LONG	8 NOS.
2	AL. SHS 20x20x2THK; 1950 LONG	3 NOS.
1	AL. SHS 20x20x2THK; 2390 LONG	4 NOS.

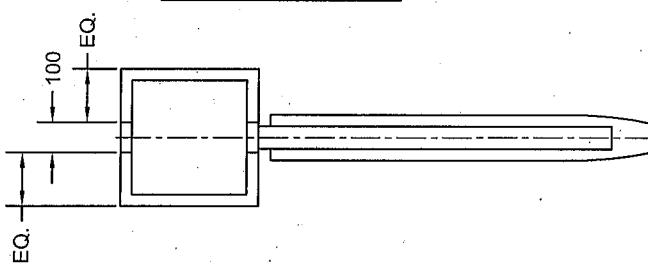


• ALL DIMENTION IN MM
 • DO NOT SCALE
 • IF IN DOUBT, PLEASE ASK

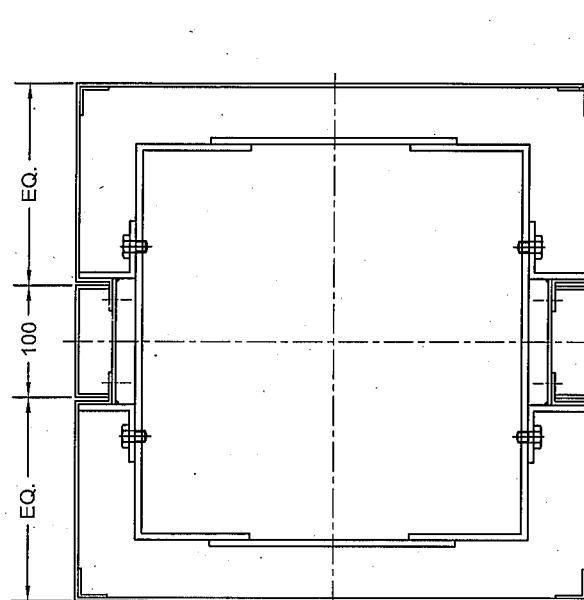
S.NO.	DATE	REVISION DETAILS
REVISION		
INDIAN OIL CORPORATION LIMITED 'INDIANOIL BHAVAN' G-9, ALI YAYER JUNG MARG, BANDRA (EAST), MUMBAI - 400 051		
RVI ELEMENTS		
TITLE: SPREADER ASSEMBLY		
CHKD. BY:		DATE: 26.03.2008
APPD. BY:		
DRN. BY: SHREE ENGINEERS	SCALE: --	
DRAWING NO: IOC-RVISS2-DD-AR-004-R00	SHEET: --	



**COLUMN WITH SPEAKER
ELEVATION**

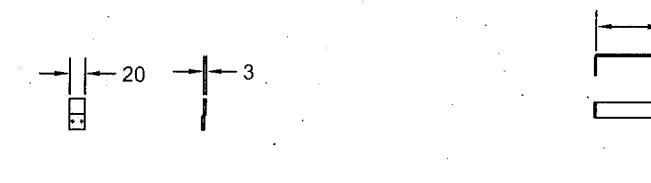


**COLUMN WITH SPEAKER
PLAN**

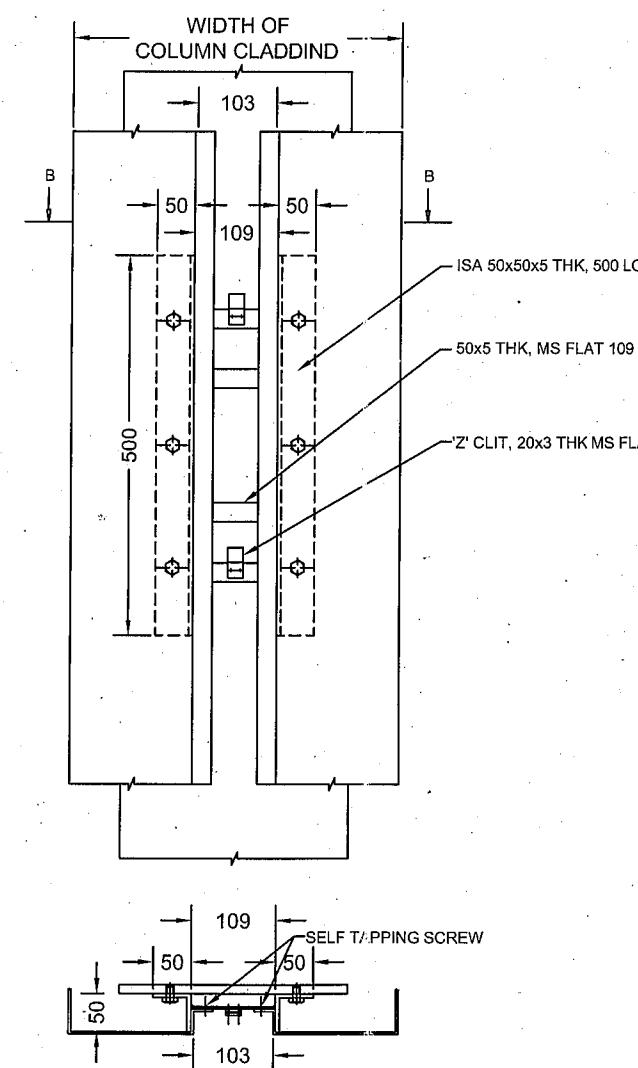


SECTIONAL PLAN

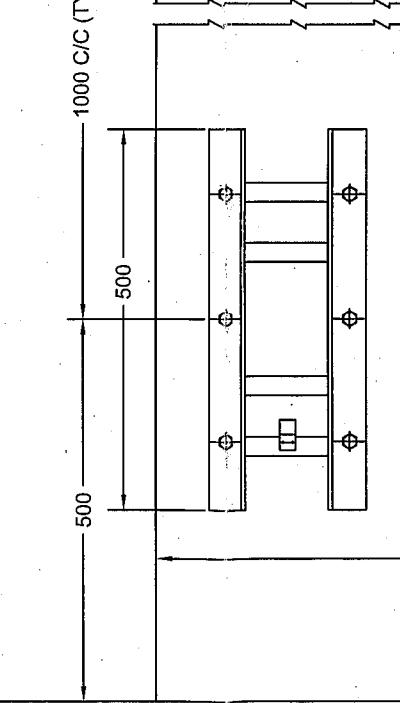
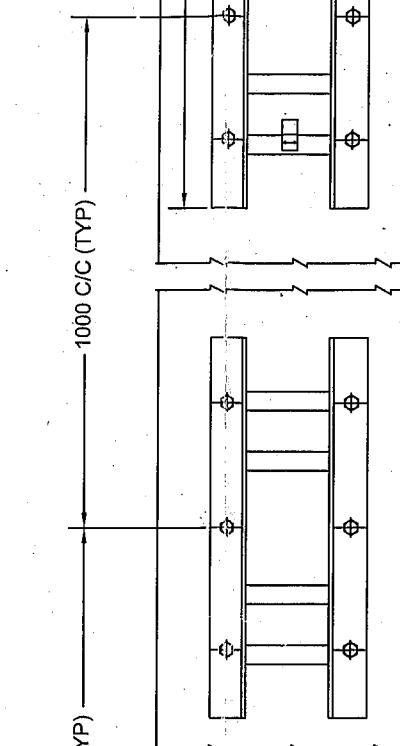
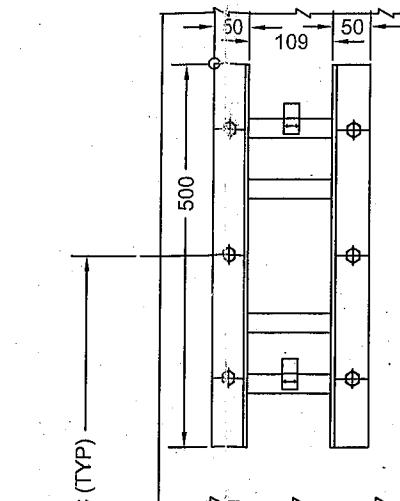
DETAILS OF 'Z' CLIT



DETAILS OF LOCKING SUPPORT

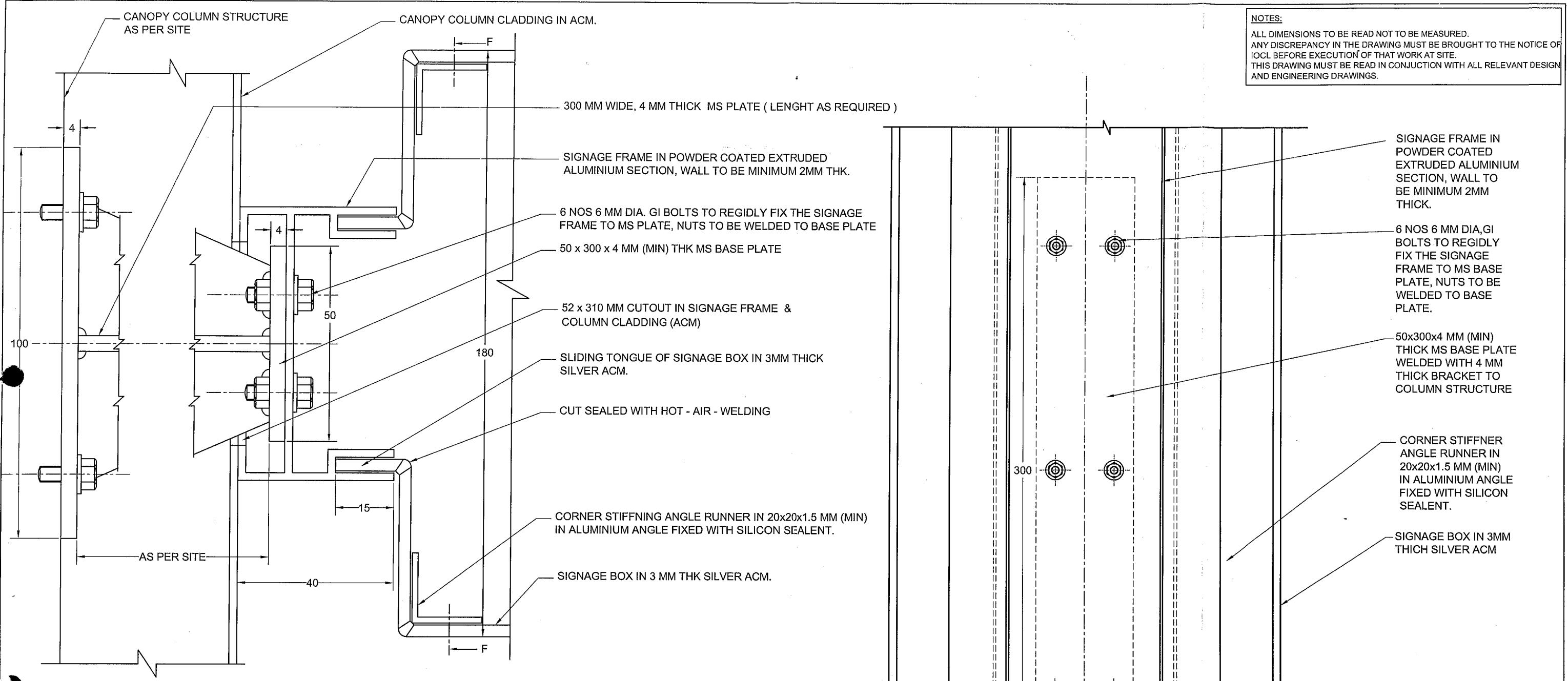


LOCKING ARRENGEMENT OF TRIM

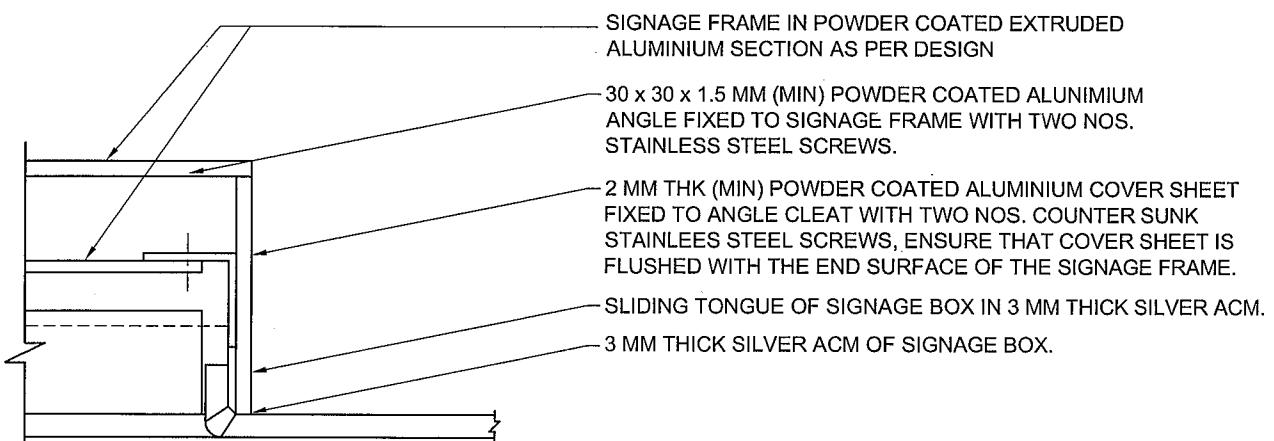


LOCATION OF BRACKET ON COLUMN

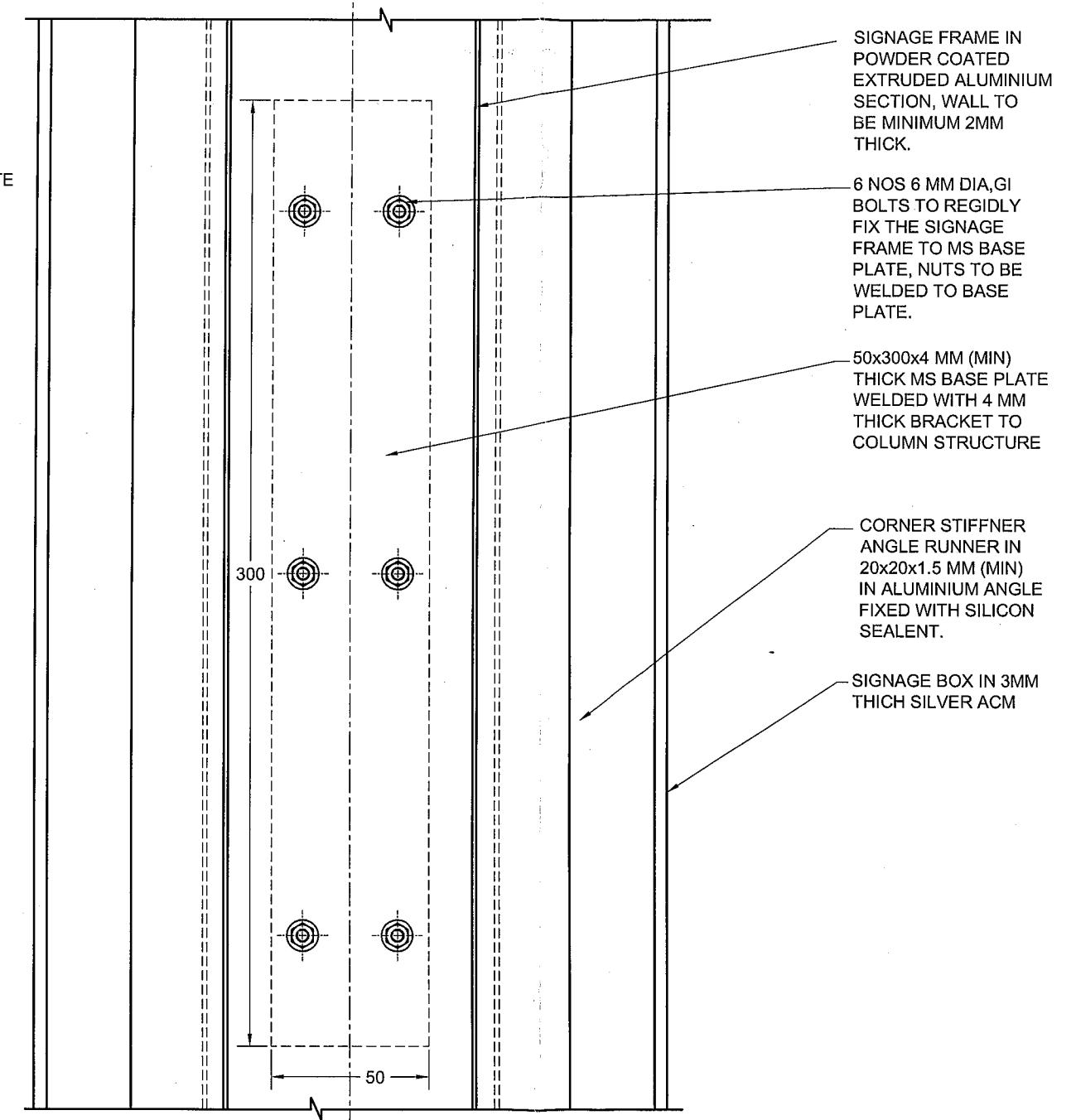
CLIENT: INDIAN OIL CORPORATION LIMITED 'INDIANOIL BHAVAN' G-9, ALI YAYER JUNG MARG, BANDRA (EAST), MUMBAI - 400 051	
CM(E)/HO	DGM(E)/HO
DRAWING TITLE: RVI ELEMENTS ASSEMBLY COLUMN CLADDING-FIXING DETAILS	
DRN BY: SHREE ENGINEERS	DATE: 26.03.2008
CHKD: <i>[Signature]</i>	SCALE: --
DRAWING NO: IOC-RVIURB-DD-AR-11-R03	



DETAIL A - PLAN



SECTION EE



DETAIL A - SECTION FF

• ALL DIMENTION IN MM	
• DO NOT SCALE	
• IF IN DOUBT, PLEASE ASK	
1	DETAILS OF BRACKET TO COLUMN STRUCTURE REVISED
S.NO	DATE
REVISION	REVISION DETAILS
INDIAN OIL CORPORATION LIMITED 'INDIANOIL BHAVAN' G-9, ALI YAVER JUNG MARG, BANDRA (EAST), MUMBAI - 400 051	
RVI ELEMENTS	
TITLE: SPREADER FIXING DETAIL CANOPY CLADDING FIXING DETAILS	
CHKD. BY:	DATE: 26.03.2008
APPD. BY:	DRN. BY: SHREE ENGINEERS
DRAWING NO: IOC-RVISS2-DD-AR-003-R01	
SCALE: --	
SHEET: -	



ENGINEERING DEPARTMENT, H.O

INTER OFFICE MEMO

To : State Engg. Heads
From : DGM (Engg), HO
Ref : ENG/20

Date : 24.12.2008

Sub: Issuance of Work Orders.

We invite your attention to the provisions of Engineering Manual Vol. 5 (Procedures) in which various aspects of Work Orders are clearly discussed (clause no. 1.26, page no. 56). The provision under the clause, with regard to placement of orders is reproduced below:

Engineering Department will first ensure, before placement of Work Order that:

- i) The site has been physically taken over by IOC.
- ii) All important approvals and clearances are secured for this purpose following approvals/ clearances are considered important.
 - Construction approval from CCOE
 - NOC from District Magistrate
 - Environmental clearance

It is once again reiterated that Work Orders be placed only after all the statutory clearances for taking up the work are available. Please bring it to the notice of all concerned under your control.


(V.M.Sasidhar)
DGM (Engg)

INTER OFFICE MEMO

Ref : ENG/20/199

Dt. 20/02/2009

FOR :State Engg. Heads

FROM : DGM (E), HO

Sub : Effect Of Putting A Party On Holiday List – Additional Situations

1. Effect of putting a party on 'Holiday List' on other firms has been described in clause no. 1.29.7.4 of the Engineering Manual – Vol 5 (Procedures). The situations described in the manual are – if the party placed on holiday, is proprietary concern, all the concerns of the same proprietor shall also be considered to be on holiday and if their proprietor is the managing partner of any firm, such firm shall also be considered to be on holiday.
2. As the above situations do not include the impact on private limited companies, following guidelines are being issued in consultation with Company Secretary Dept., HO.
 - a. If a proprietor of a proprietorship firm, which has been put on a holiday, is a promoter or a Director or having controlling stake of a Company then such Company shall also be considered on holiday.
 - b. If a partner of a partnership firm, which has been put on a holiday, is a promoter or a Director or having controlling stake of a Company then such Company shall also be considered on holiday.

(Here stakeholder with controlling stake means person having minimum 26% share holding of the company).

3. With the above additional situations, the "Proforma of Declaration of Black Listing / Holiday Listing" available at Annexure – W of the Engineering Manual also requires modification. The modified proforma is attached.
4. Above guidelines are being issued for implementation with immediate effect.


(Shailendra Mital) 20/2/09
DGM (Engg.)

Encl: a/a

Copy for information :

1. All Core Group members
2. GM (IA)
3. DGM, Director (M) Sectt.

ANNEXURE - W

PROFORMA OF DECLARATION OF BLACK LISTING/ HOLIDAY LISTING

(FORMAT TO BE TYPED ON TENDERER'S LETTERHEAD AND SUBMITTED ALONG WITH TECHNICAL BID DOCUMENTS WITH SIGNATURE AND STAMP)

In the case of a Proprietary Concern :

I hereby declare that neither I in my personal name or in the name of my Proprietary concern M/s. _____ which is submitting the accompanying Bid/Tender nor any other concern in which I am proprietor nor any partnership firm in which I am involved as a Managing Partner **nor any company in which I am a Promoter or a Director or having controlling stake with minimum 26% share holding** have been placed on black list or holiday list declared by Indian Oil Corporation Ltd. or its Administrative Ministry (presently the Ministry of Petroleum & Natural Gas), except as indicated below:

(Here give particulars of blacklisting or holiday listing , and in absence thereof state "NIL")

In the case of a Partnership Firm :

We hereby declare that neither we, M/s. _____, submitting the accompanying Bid/Tender nor any partner involved in the management of the said firm either in his individual capacity or as proprietor or managing partner of any firm or concern **or as a promoter or Director or having controlling stake with minimum 26 % share holding of any company** have or has been placed on blacklist or holiday list declared by Indian Oil Corporation Ltd. or its Administrative Ministry (presently the Ministry of Petroleum & Natural Gas), except as indicated below

(Here give particulars of blacklisting or holiday listing and in the absence thereof state "NIL")

In the case of Company:

We hereby declare that we have not been placed on any holiday list or black list declared by Indian Oil Corporation Ltd. or its Administrative Ministry (presently the Ministry of petroleum and Natural Gas), except as indicated below:

(Here give particulars of black listing or holiday listing and in the absence thereof state "NIL")



INTER OFFICE MEMO

FROM: HO (Taxation)
REF: AC/HO/ST/79

TO: GM (IS) CO Manthan Group
Region & State Finance Heads

DATE: 24/02/2009

**SUB: Reduction in Service Tax Rates vide Notification No. 8/2009 – ST dated
24/02/2009**

Pursuant to Notification No. 8/2009 – ST dated 24/02/2009, **the Rate of Service Tax has been reduced from 12% to 10% effective 24.02.09.**

The following changes maybe effected in this regard:

1. **IOCL as a service provider** should raise the invoice upto 23rd February, 2009 separately @ 12.36% (inclusive of 2% Education Cess plus 1% Secondary and Higher Education (SHE)Cess) and from 24th February, 2009 @ 10.30% (inclusive of 2% Education Cess plus 1% Secondary and Higher Education (SHE)Cess) to the recipients.
2. **IOCL as a service recipient** should advise the service providers to raise their invoices upto 23rd February, 2009 @ 12.36% (inclusive of 2% Education Cess plus 1% Secondary and Higher Education (SHE)Cess) and from 24th February, 2009 @ 10.30% (inclusive of 2% Education Cess plus 1% Secondary and Higher Education (SHE)Cess) to facilitate the availment of Cenvat credit at the appropriate rates.

You may take necessary action for effecting the necessary changes IMMEDIATELY in SAP.

Regions and State Finance Heads may ensure the implementation of the above changes

NVN Ramsai
(DGM Taxation)



IndianOil
Maintenance & Inspection Dept., HO

CIRCULAR

HO/M&I/33

10/03/2009

To

All State Engineering Heads
All State Operations Heads
All Regional Aviation Heads
All Lube Complex Heads
All Regional / ZOD M&I Heads

Sub: Provision of saddle plate for pipeline

1. Presently while laying product / fire hydrant pipelines during execution of new projects or old pipeline replacement works pipes are made to rest on GI pipe of 50 mm Ø as shown in Typical Drawing for pipeline pedestals in Engineering Manual Vol. 6 {Drawings No. 428-1/2 (page-127) & No. 428-2/2 (page-128)}.
2. It is observed that it becomes difficult to carry out maintenance / painting of pipelines at the point of contact i.e. the spots on Mild Steel pipes where it is resting on the GI pipe. This leads to corrosion of pipeline at these spots and it starts leaking involving replacement of segments of pipeline including hotwork.
3. To avoid above mentioned problem and enhance the life of pipelines it is decided to provide reinforcement on the pipelines by way of welding a saddle / pad plates at the point of contact. Considering the pipes of various diameters commonly used in our locations following size of saddle plates are to be provided:

Sr. No.	Pipe Diameter	Saddle Plate Dimensions		
		Width	Length	Thickness
1	300 mm & below	200 mm	1/4 th perimeter at bottom of pipe	Same as that of the pipeline thickness
2	350 mm & above	300 mm	- Do -	- Do -

4. This is to be followed for all new projects and pipeline replacement works of product as well as fire hydrant lines.
5. In case of continuous straight stretches of pipeline which may result in excessive expansion / contraction during extreme weather conditions based on topography of a location, suitable expansion loops / bellows may be provided duly designed considering the pipe dia. / length etc.



IndianOil
Maintenance & Inspection Dept., HO

6. Drawings (No. IOCL/HO/M&I/SK - 1 & IOCL/HO/M&I/SK – 2) showing the provision of saddle / pad plate are enclosed herewith. (Annexure I). GM (E) may get the relevant drawing in Engineering Manual Vol. No. 6 suitably amended.

This is issued with the approval of ED (E&PJ).

All concerned are advised to ensure implementation.

This supersedes the earlier circular No. HO/M&I/33 dtd. 24/02/2009

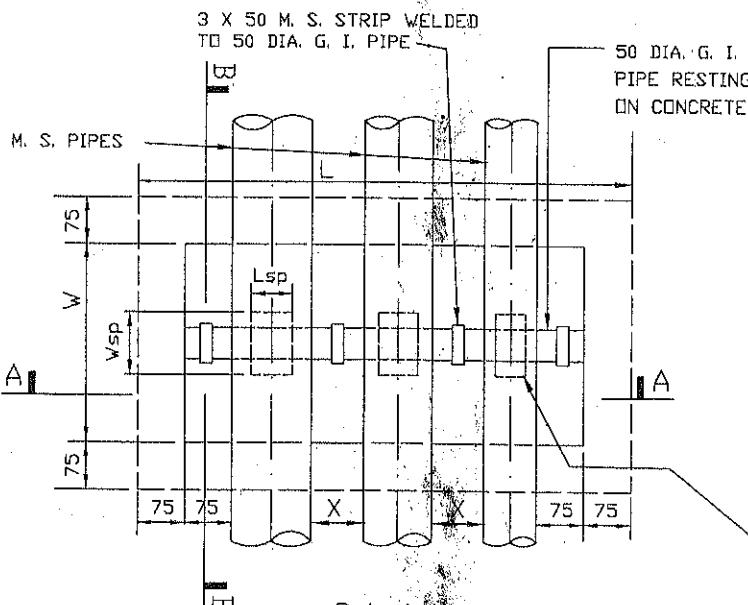
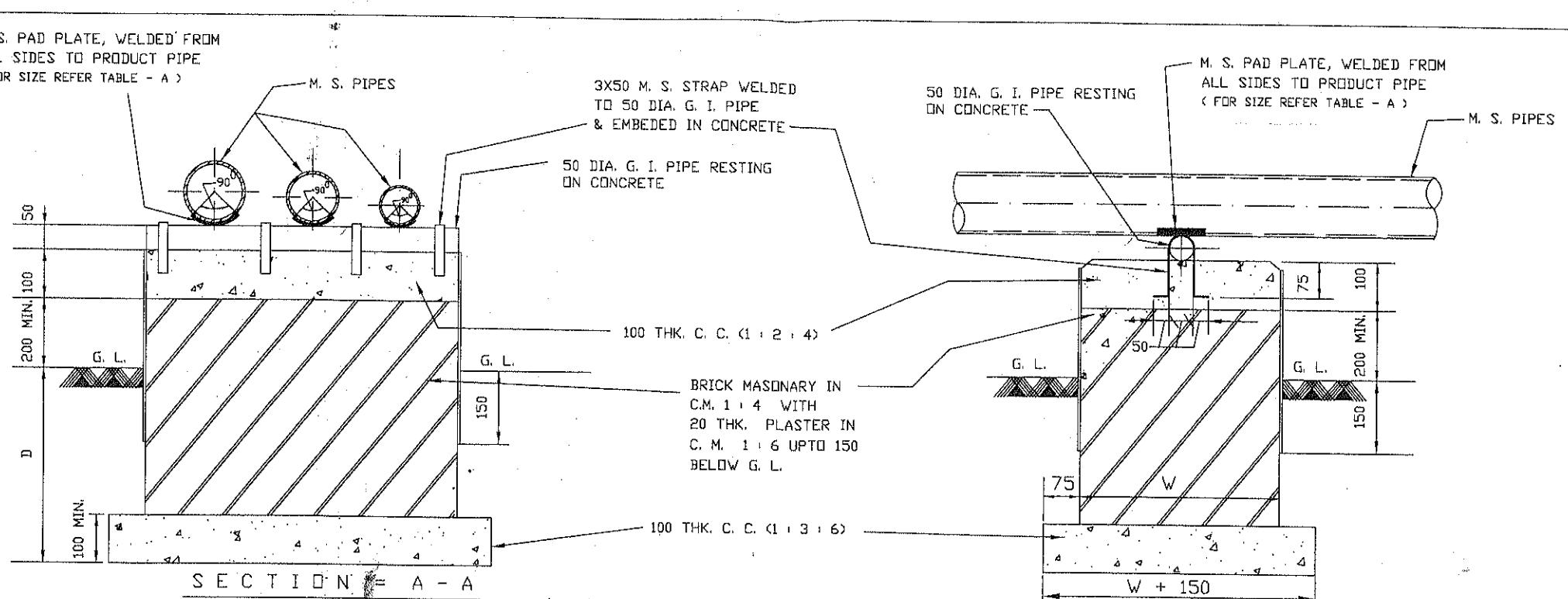
M. K. SINHA 10/3/2009
General Manager (M&I)

Encl: Two Drg. Nos. IOCL/HO/M&I/SK - 1 & 2

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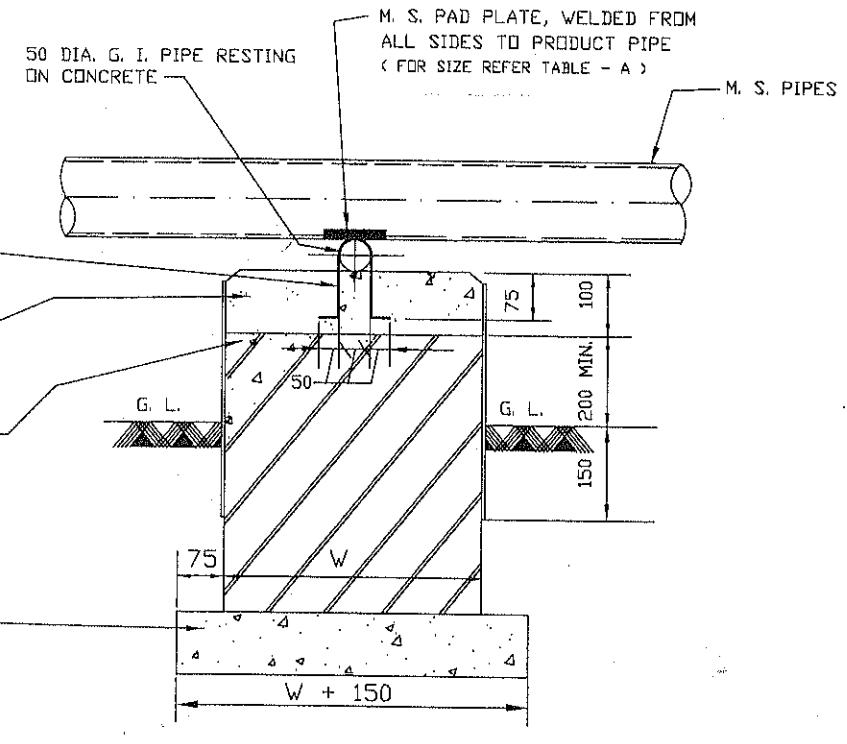
ED (E&PJ) / ED (Supplies) / ED (Lubes) / ED (Aviation) / ED (LPG), HO
GM (E) / GM (S&EP) / GM (O) / GM (Lube-O) / GM (LPG-O), HO
All State Heads, GM (RS) N/E/W/S, DGM (ZS), AOD

M. S. PAD PLATE, WELDED FROM
ALL SIDES TO PRODUCT PIPE
(FOR SIZE REFER TABLE - A)



TYPICAL DETAILS OF PEDESTALS

M. S. PAD PLATE, WELDED FROM
ALL SIDES TO PRODUCT PIPE
(FOR SIZE REFER TABLE - A)



NOTES :-

- 1 - THE WIDTH ' W ', THE LENGTH ' L ' AND THE DEPTH ' D ' TO BE DESIGNED TO SUIT THE NO. OF PIPES TO BE ACCOMMODATED, LOAD TRANSFER FROM PIPES AND THE SAFE BEARING CAPACITY OF SOIL.
- 2 - DISTANCE ' X ' NOT LESS THAN MINIMUM DISTANCE REQUIRED TO ACCOMMODATE FLANGES ETC.
- 3 - ALL DIMENSIONS ARE IN mm., UNLESS OTHERWISE SPECIFIED.

TABLE - A

SR. NO.	PIPE DIAMETER	SADDLE PLATE DIMENSIONS		
		WIDTH (Wsp)	LENGTH (Lsp)	THICKNESS
1	300 mm & BELOW	200 mm	1/4th PERIMETER AT BOTTOM OF PIPE	SAME AS PIPELINE THICKNESS
2	350 mm & ABOVE	300 mm	1/4th PERIMETER AT BOTTOM OF PIPE	SAME AS PIPELINE THICKNESS

TYPICAL DETAILS OF PIPE PEDESTAL

(PIPE BOTTOM AT SAME LEVEL)

SCALE = N. T. S.

DATE = 04 / 12 / 2008.

CHECKED BY = C.S.Sambale
CM(M&E)

DRG. NO. = JOCCL/HO/M&I/SK - 1

M. S. PAD PLATE, WELDED FROM
ALL SIDES TO PRODUCT PIPE
(FOR SIZE REFER TABLE - A)

50
100 MIN.
200 MIN.
G. L.
100 MIN.
D

SECTION = A - A

3X50 M. S. STRAP WELDED
TO 50 DIA. G. I. PIPE
& EMBEDDED IN CONCRETE

50 DIA. G. I. PIPE RESTING
ON CONCRETE

50 DIA. G. I. PIPE RESTING
ON CONCRETE

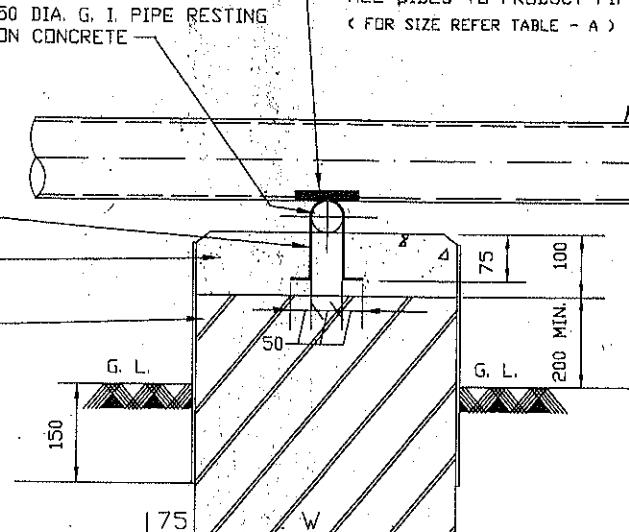
M. S. PAD PLATE, WELDED FROM
ALL SIDES TO PRODUCT PIPE
(FOR SIZE REFER TABLE - A)

M. S. PIPES

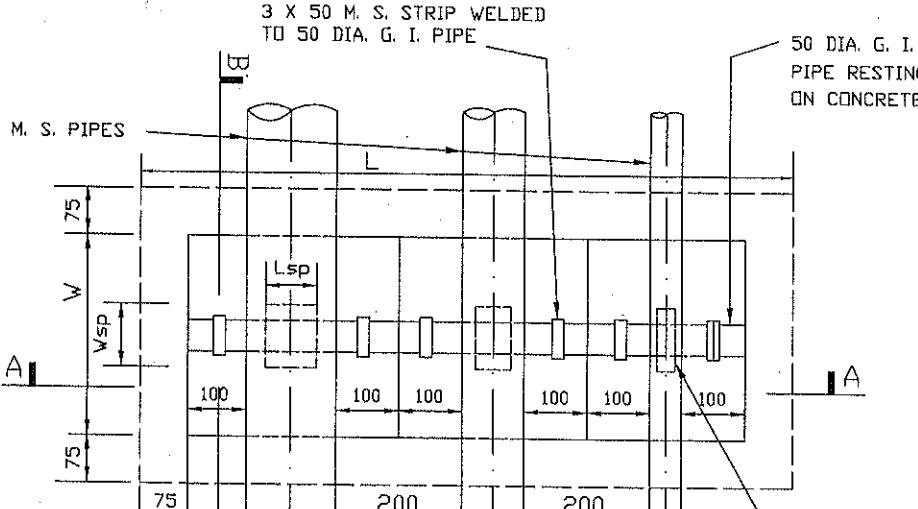
100 THK. C. C. (1 : 2 : 4)

BRICK MASONRY IN
C.M. 1 : 4 WITH
20 THK. PLASTER IN
C. M. 1 : 6 UPTO 150
BELOW G. L.

100 THK. C. C. (1 : 3 : 6)



SECTION = B - B



PLAN

TYPICAL DETAILS OF PEDESTALS

M. S. PAD PLATE, WELDED FROM
ALL SIDES TO PRODUCT PIPE
(FOR SIZE REFER TABLE - A)

NOTES :-

- 1 - THE WIDTH ' W ', THE LENGTH ' L ' AND THE DEPTH ' D ' TO BE DESIGNED TO SUIT THE NO. OF PIPES TO BE ACCOMMODATED, LOAD TRANSFER FROM PIPES AND THE SAFE BEARING CAPACITY OF SOIL.
- 2 - DISTANCE ' X ' NOT LESS THAN MINIMUM DISTANCE REQUIRED TO ACCOMMODATE FLANGES ETC.
- 3 - ALL DIMENSIONS ARE IN mm, UNLESS OTHERWISE SPECIFIED.

TABLE - A

SR. NO.	PIPE DIAMETER	SADDLE PLATE DIMENSIONS		
		WIDTH (Wsp)	LENGTH (Lsp)	THICKNESS
1	300 mm & BELOW	200 mm	1/4th PERIMETER AT BOTTOM OF PIPE	SAME AS PIPELINE THICKNESS
2	350 mm & ABOVE	300 mm	1/4th PERIMETER AT BOTTOM OF PIPE	SAME AS PIPELINE THICKNESS

TYPICAL DETAILS OF PIPE PEDESTAL

(PIPE TOPS AT SAME LEVEL)

SCALE = N. T. S.

DATE = 04 / 12 / 2008.

CHECKED BY = *C.S. Sambaran*
(M.A.T.E.)

DRG. NO. = IDCL/HO/M&I/SK - 2

INTER OFFICE MEMO

Ref : ENG/20
Dt. 13/03/2009

FOR :All State Engg. Heads

FROM: DGM (Engg), HO

Sub : Preparation Of Final Bill And Closure Of Work Orders.

During review of one of the State Offices, it emerged that several work orders even for routine works were lying open for several months due to delay in rectification of defects by the contractor. It was also noticed during the review that very little follow up was maintained with the contractors for removal of defects.

Delays in release of final bills is also found to be the biggest grievance of the contractors and Head Office receives regular representations in this regard. In most of the cases, the bills are released by the State Offices after the matter is taken up by HO.

It is therefore felt that the contractor may be given reasonable time say upto 30 days for rectification of defects and in the event, the defects are not removed to the satisfaction of Site Engineer, the work order should be closed either by rejecting the defective work or by making suitable recovery towards work accepted with deductions.

You are also advised to review all the open work orders and take prompt action in closing the same as per above guidelines. Keeping in view that Tier-II MOU also includes timely settlement of bills, the State Offices which are unable to close the old orders are likely to get poor scoring on this account.


13/3/09
(Shailendra Mital)
DGM (Engg.)

FOR INF & IMPLEMENTATION.

REGARDS,

(ALOK AGRAWAL)
CEM, RSO

REFERENCE RVI DRAWING NO IOCL-RVI-ML-01/R1 (SHEET 1 OF 3 AND SHEET 2 OF 3) :

SEQUENCE OF MESSAGES ON DISPLAY PANEL OF MAIN SIGN POLE BE CORRECTED AS
UNDER:

XTRAPREMIUM
PETROL
XTRAMILE
DIESEL
SERVO

(A.RAJVANSHI)
CHIEF MANAGER(ENGINEERING)

Ref: HO/ ENG/20/200

Date: 15.04.2009

Sub : Standardisation of specification for seal on FR tanks.

We have been providing vapour mounted foam seal on FR tanks as per standard practice of Corporation. Ministry of Environment and Forest have issued notification dated 18.3.08 (copy of same enclosed herewith) which gives requirement for seals in floating roof tanks. The requirements are reproduced here below:

Quote.

- a. IFRT and EFRT shall be provided with double seals with minimum vapour recovery of 96%.
- b. Primary seal shall be liquid or shoe mounted for EFRT and vapour mounted for IFRT. Maximum seal gap width will be 4 cm and maximum gap area will be 200 cm².m of tank diameter.
- c. Secondary seal shall be rim mounted. Maximum seal gap width will be 1.3 cm and maximum gap area will be 20 cm²/m of tank diameter.
- d. Material of seal and construction shall ensure high performance and durability.

Unquote.

In view of above notification issued by Ministry, it has become imperative to revise the specifications of the primary seal on FR tanks so as to confirm the requirements given in the notification.

The specifications framed at HO for seals to be provided on FR tanks are enclosed herewith. It is advised that in future all the new tanks may be provided with seals conforming to the revised specifications. The existing seals as and when replaced with new seals also have to confirm with the new specifications.


(P.C. Mehta)
GM (Engg)

Encl: a/a

C - Fugitive Emission

Storage of Volatile Liquids : General Petroleum Products

- (1) Storage tanks with capacity between 4 to 75m³ and total vapour Pressure (TVP) of more than 10 kpa should have Fixed Roof Tank (FRT) with pressure valve vent.
- (2) Storage tanks with the capacity between 75 to 500 m³ and total vapour Pressure (TVP) of 10 to 76 kpa should have Internal Floating Roof Tank (IFRT) or External Floating Roof Tank (EFRT) or Fixed Roof Tank with vapour control or vapour balancing system.
- (3) Storage tanks with the capacity of more than 500 m³ and total vapour Pressure (TVP) of 10 to 76 kpa should have Internal Floating Roof Tank or External Floating Roof Tank or Fixed Roof Tank with vapour control system.
- (4) The tanks with the capacity of more than 75 m³ and total vapour Pressure(TVP) of more than 76 kpa should have Fixed Roof Tank with vapour control system.
- (5) Requirement for seals in Floating Roof Tanks:
 - (i) (a) IFRT and EFRT shall be provided with double seals with minimum vapour recovery of 96%.
 - (b) Primary seal shall be liquid or shoe mounted for EFRT and vapour mounted for IFRT. Maximum seal gap width will be 4 cm and maximum gap area will be 200 cm²/m of tank diameter.
 - (c) Secondary seal shall be rim mounted. Maximum seal gap width will be 1.3 cm and maximum gap area will be 20 cm²/m of tank diameter.
 - (d) Material of seal and construction shall ensure high performance and durability.
 - (ii) Fixed Roof Tanks shall have vapour control efficiency of 95% and vapour balancing efficiency of 90%.
 - (iii) Inspection and maintenance of storage tanks shall be carried out under strict control. For the inspection, AP. RP 575 may be adopted. In-service inspection with regard seal gap should be carried out once in every six months and repair to be implemented in short time. In future, possibility of on-stream repair of both seals shall be examined.

Storage of Volatile Liquids : Benzene Storage

- (1) FRT with vapour to incineration with 99.9% of removal efficiency for volatile organic compounds (VOC) shall be provided.
- (2) IFRT/EFRT with double seals, emission-reducing roof fitting and fitted with fixed roof with vapour removal efficiency of at least 99% shall be provided.

1.0 MECHANICAL SHOE SEAL / LIQUID MOUNTD MECHNICAL SEAL & SECONDARY SEALS

Mechanical Shoe Seals comprise a metallic sealing ring, which is held in permanent contact with the tank shell and extends into the product by a system of independent hanger and pusher mechanisms, and with a continuous sealing apron curtain closing the gap between the rim and the top of the "Shoe". The product vapors are contained between the "shoe", apron curtain and the floating roof.

The design of the Mechanical Shoe Seal should be "Channel Hanger" Type with independent hanger and pusher devices. The design of the Mechanical Shoe Seal should be such that in service installation is enabled with no hot work allowed i.e. no welding or flame cutting. The Mechanical Shoe Seal should conform tightly to shell plate contours Adaptable to existing rim and shell configuration, including wide variations in rim gap.

The seal is characterized by a shoe-to-shoe slip joint connection, which allows for any variation in the rim space irregularities between the rim and tank shell, while containing the product vapors. The Channel hanger type assembly should successfully maintain a constant seal elevation even with a wide rim space.

Galvanized shoes shall conform to ASTM A 924 and a G90 coating or equivalent and shall have a minimum nominal thickness of 1.5 mm (16 gauge).

Pusher mechanism of thickness not less than 1.5mm thickness shall be SS conforming to the requirement of Stainless Steel of ASTM A 240/A 240M (austenitic type only).

All fasteners to be galvanized for seals of galvanized construction & SS for SS construction. Hanger Channels assembly should be minimum 14gauge.

Seal Curtain should be compatible with stored product. PTFE sheet with minimum thk of 0.5 mm. A protective mechanism should be provided to protect the seal curtain.

DESIGN CRITERIA: Maximum seal gap area shall be 200 sq.cm/m of tank dia.

Material tests certificate carried out at a reputed laboratory and the results shall be furnished to IOC

Specifications of Secondary Seal

Secondary seal shall be of compression plate rim mounted horizontal or vertical (preferably horizontal), made from series of metallic sheet joined together to form a ring with a non-metallic tip that slide on the inside surface of the tank shell. The joints to be bolted or sliding and to incorporate gasket at the point of overlap of the compression plate.

Compression plate of the secondary sealing system should be sized to match the existing annular space between the tank shell & the floating roof. The compression plate should be clamped on the Rim flat/angle with channels duly galvanized. The compression plate to have the compression channel gasketing. It should provide "Leak tight" joint between the plates. Each seal plate should be sealed with the adjacent plate in a fashion to eliminate vapor loss.

Galvanized compression plates shall conform to ASTM A 924 and a G90 coating or equivalent and shall have a minimum nominal thickness of 1.5 mm (16 gauge).

Static Shunt of minimum thickness of 0.5mm,shall be conforming to the requirement of Stainless Steel of ASTM A 240/A 240M (austenitic type only).

All fasteners to be galvanized for seals of galvanized construction & SS for SS construction. A protective mechanism should be provided to facilitate smooth re-entry of the secondary Seal onto the Tank Shell in the event of Tank overfilling.

Secondary seal system shall be tight fitted, rim mounted, with a wiper Tip. made of a PVC/NITRILE which shall be compatible to the stored product. The Sealing Gasket to be made of PVC/NITRILE which shall be compatible to the stored product.

Seal shall have very low coefficient of friction, shall not damage or scour the tank shell. Metallic seal components shall have adequate corrosion protection for long life. All material used in the seal manufacturing shall be tested and certified for extended use in hydrocarbon products.

DESIGN CRITERIA: Maximum seal gap area shall be 20 sq.cm/m of tank diameter.

Material tests certificate carried out at a reputed laboratory shall be furnished to IOC.

- 2.0 Tests as specified above shall be carried out in a reputed laboratory and results shall be furnished for review/ approval of site engineer before fixing mechanical seal.
- 3.0 Seal shall be guaranteed for its durability and satisfactory performance for a period of 24 month from the date of commissioning of tanks.
- 4.0 For specifications of various materials **latest API-650**, or **IS: 803** (wherever applicable) may be referred.
- 5.0 Any other material used in tank fabrication shall conform to appropriate Indian Standard Specification where ever such specifications exist.



ENGINEERING DEPARTMENT, HO

Ref: HO/ ENG/20

Date: 17.04.2009

Sub: Fire screen wall

Quite often hot works are required to be carried out in running Depots / Terminals such as repair / fabrication of tanks, pipelines and other structures. In case of repair of old tanks, the hot work may be required to be performed at various places and the same was to be inside the battery area.

In such areas vapours are likely to be present either continuously or intermittently as the case may be. Such repairs / works necessitate use of fire screen wall to isolate the working areas from other source of petroleum vapours such as tanks, filling / decanting shed, pump house, manifold sumps and other areas etc. Normally fire screen wall consisting of steel structures and GI sheets etc are deployed. The height of fire screen wall and its extent must be judiciously decided keeping in mind the location of work site vis-à-vis facilities around, wind direction etc. Keeping adequate protection in mind for the facilities around, the wasteful use of fire screen wall must be avoided. In this regard the extent of hot work and its height must clearly be understood.

As now-a-days all the tank fabrication works are being done by jacking up method, there is no need of fire screen wall right upto the height of the tank since the welding is restricted upto the height of maximum 2 to 2.5 m. In case small hot work such as fixing of gauge well etc is required to be done at height, only the area of hot work on tank can be protected with local fire screen instead of erecting fire screen all around the tank right upto its height.

As regards piping work, efforts may be made to do maximum pre-fabrication work outside battery area and bare minimum hot work should be carried out on site. This will reduce the extent of fire screen wall considerably. In case of long pipelines, mobile fire screens may be of immense help to cut down on the cost of fire screen and promote its multiple use at our own site.

While preparing the estimated cost of fire screen it should be clearly understood that the wall must be strong enough to withstand the wind load of the area. It should also be well understood that the fire screen wall is a temporary structure and its multiple use is a fact. The sheets can be reused at least 5 to 6 times and structures can be used for atleast 10 times with minor repairs and supplements. The estimate of the screen wall therefore must be based on such assumptions.

This may be brought to the notice of all the Engineers.

P.C. Mehta
(P.C. Mehta)
GM (Engg)

Encl: a/a

Ref: ENG/20

Date : 21/04/2009

To

State Engineering Heads

Circular

Sub : Engraving the names of Project In-charge at Site.

This is in supersession of our circular ref.ENG/20 dated 19/01/09 on the subject. In partial modification of the earlier circular, it is now decided that the name of Project-in-Charge shall be displayed in the scroll of honour of Location In-charges. In other words, the name of Project In-charge shall be the first name in the scroll of honour, indicated as Project In-charge, after which the names of Location In-Charges will be written. The decision is aimed at recognizing the efforts of the Project In-charge in developing the grass root facility.

The circular covers all grass root Terminals/ Depots/ AFSs/ Lube/ Bitumen/ LPG Plants.


(P.C.Mehta)
GM (Engg)

Copy to :

- 1. All Core Group Members**
- 2. All State Heads**
- 3. DGM Dir (M)'s Secretariat**

The approval of Director (M) was kept on hold for a decision on curvature of the 2 faces of Signage, the same has been resolved and the approval holds good.

You are requested to advise the Field for its implementation.



rpdesh084.PDF

Regards !

AK Ganjoo
DGM (RS) HO Mumbai
26447758
9920084734

Retail Sales Department, HO

Ref: RS/23
Dated: 16/10/2008

Sub: Provision of High Mast Signage 17 M/ 22 M high

As part of Operation Everest Programme High Mast Signage (HMS) has been developed in consultation with our consultants M/s Fountain Head for both highways as well as for city ROs. The HMS for highways is three-faced whereas the design for the same in city ROs is two-faced. The policy guidelines / specifications for provision of HMS at highway and urban ROS is as per RO/6002/HM dated 19/12/04 & HO/RD/RVI dated 15/09/2005, copy enclosed.

The highway HMS was provided at few ROs and it was observed that the efficacy of could be improved by reducing cost towards light fittings & the energy consumption; therefore, further rollout was withheld in the field.

Engineering Department was asked to redesign two-faced HMS for highway ROs. The design was developed by HO Engineering for a two faced HMS signage and before release it was felt prudent to provide a prototype at one of the highway ROs & assess the visual impact. Delhi State Office (DSO) was entrusted to develop & provide the prototype at one of the ROs based on design Drawing No IOCL-02-01-A3 the HMS (17M / 22 M) was to be provided with Retro Reflective Vinyl without any light fittings.

Accordingly, DSO have developed a new two-faced HMS, 17M high, based on the design forwarded by HO Engineering / Retail and erected at M/s Usha Kiran, Palri Kalan, Sonepat (under Panipat DO).

Few Photographs of the HMS taken during daytime & night are attached.

SDRSM Panipat vide his mail dated 23/09/2008 has conveyed that the HMS is visible from a distance of about 400/500 Metres from the Entry Point LHS/RHS of the RO. There are tall Eucalyptus trees along the roadside otherwise the visibility could be from farther distance. During night, even on partially cloudy sky, HMS is visible through the reflected light originating from moving vehicles.

The cost comparison with the earlier three faced signage is as under:

Description	Cost in Rs
HMS 17M (three faced) with electrical fittings, cable & lowering mechanism	754610
HMS 17M (two faced) only with non lit retro reflective sheet	500845
SAVINGS*	253765

* costs are indicative and may vary on local conditions & tender quotation.

Retail Sales Department, HO

Ref: RS/23
Dated: 16/10/2008

Sub: Provision of High Mast Signage 17 M/ 22 M high

Further, besides achieving cost savings by providing HMS without light fittings and without cables & lowering mechanism, we stand to gain further by providing non-lit retro reflective vinyl will be maintenance free as the life of Vinyl is more than 5 years. Furthermore, there will be no expenses on account of power consumption.

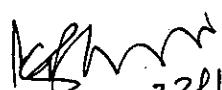
In view of the above approval may be accorded for:

- implementation of two-faced non-lit 17M/22M HMS Signage with retro reflective vinyl (as per Drawing No IOCL-02-01-A3) for highway ROs on NH/SH selling more than 100 KL/month and discontinue three faced backlit 17M/22M HMS. | (A)
- Continuation of using the existing HMS with three-faced Signage which is already erected at Highway ROs as retrofitting these will involve major expenses. | (B)

Based on approval, HO Engineering Department shall advise detailed drawings & specifications to State Engineering Heads for further rollout.


(AK Ganjoo)
CM(RS)

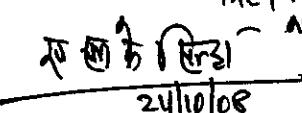
GM (RS)



22/10

The proposed revised design is cost effective, requires hardly any maintenance and also more effective.

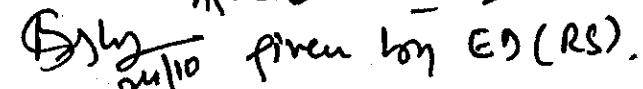
ED (RS)



24/10/08

Agreed on A + B with recommendations

ED (E&P)



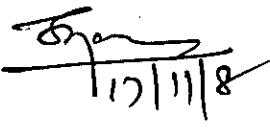
Agreed given by ED (RS).

ED (F)

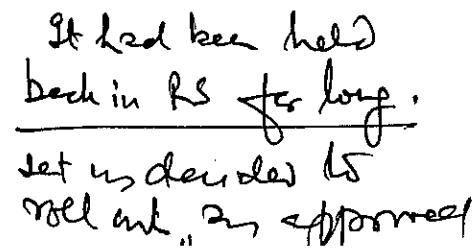


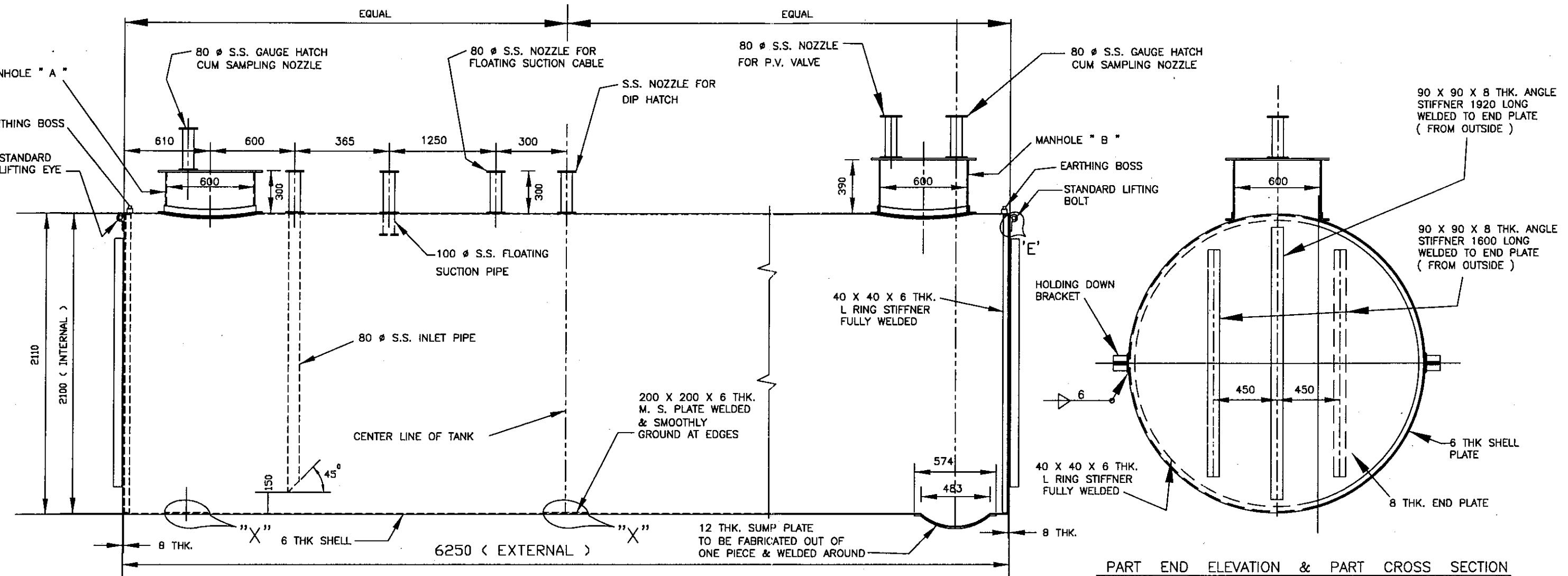
11/11/08

DIRECTOR (M)

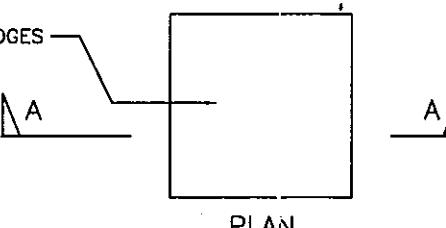
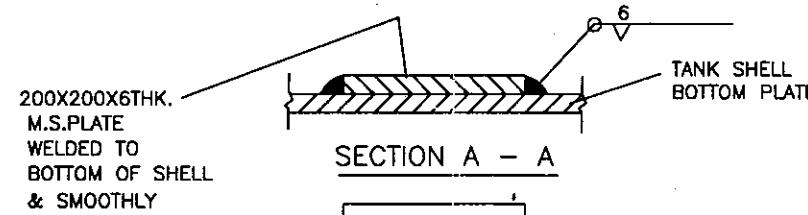
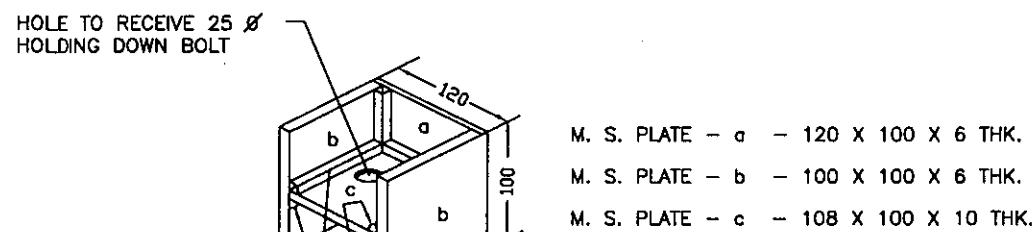


17/11/08


It had been held
back in RS for long.
Let us decide to
roll out, as approved



LONGITUDINAL PART ELEVATION PART SECTION



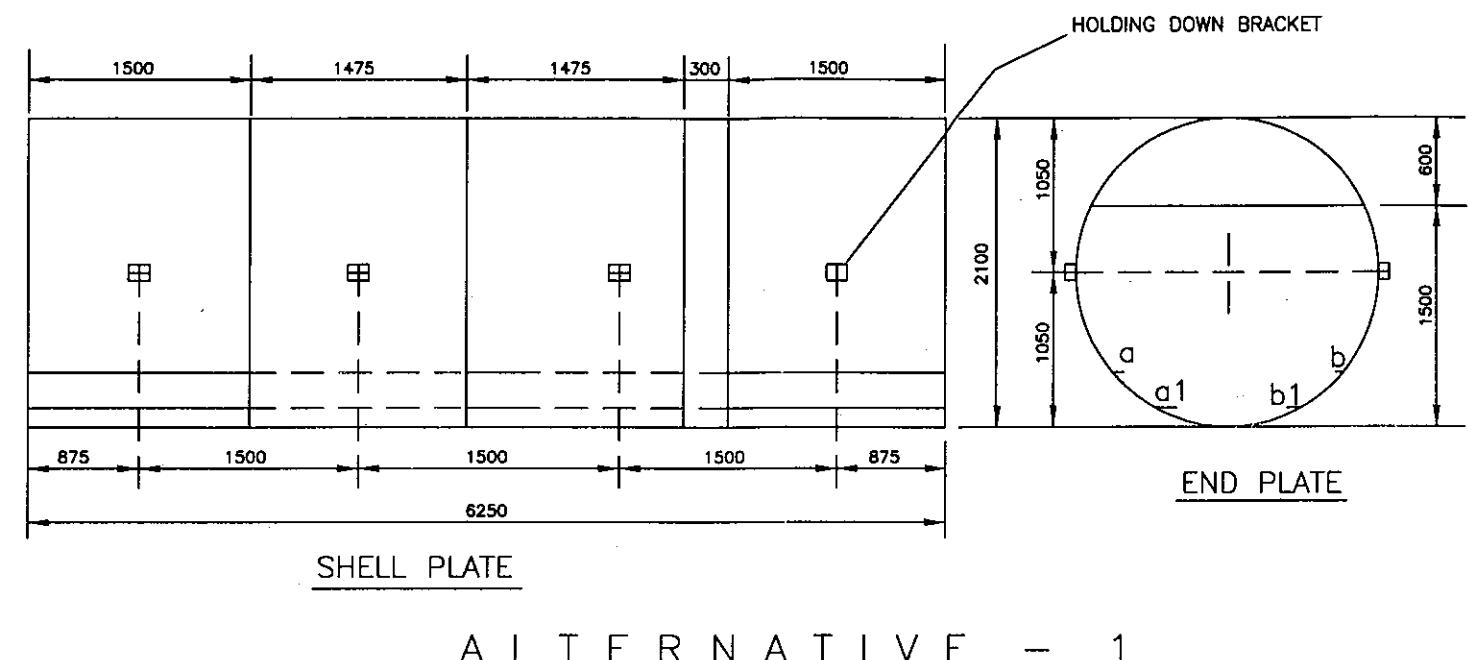
NOTES

1. - FOR OTHER DETAILS REFER DRG. NO. ENG / 343-2/4, 3/4, 4/4.
2. - ALL DIMENSIONS ARE IN mm., UNLESS OTHERWISE SPECIFIED.

INDIAN OIL CORPN. LTD. (HEAD OFFICE)	
STANDARD	FABRICATION DETAILS FOR
DRG. NO.	20 KL TANKS
ENG/343-1/4	(AVIATION PRODUCT)
DEEPAK PREPARED BY	<i>[Signature]</i>
CHECKED BY	<i>[Signature]</i>
APPROVED BY	<i>[Signature]</i>

BILL OF MATERIALS & FITTINGS FOR TANKS

SR. NO.	D E S C R I P T I O N	NOS REQUIRED.
1	6THK. SHELL PLATES ALTERNATIVE 1 - 1500 X 6300 PLATES.	AS PER ARRANGEMENT OF SHELL AND END PLATES SHOWN
2	8THK. SHELL PLATES ALTERNATIVE 1 - 1500 X 6300 PLATES.	
3	90 X 90 X 8 THK. ANGLE STIFFENERS, 1920 LONG 2NOS. & 1600 LONG 4 NOS.	6
4	40 X 40 X 6 THK. ANGLE STIFFENERS, 6593 LONG .	2
5	80 Ø S.S. INLET PIPE, 1956 LONG INSIDE & 300 LONG OUTSIDE THE TANK. BOTTOM OF THE INLET PIPE TO BE CHAMFERED AT 45°.	1
6	80 Ø S.S. DIP PIPE, 1956 LONG INSIDE & 300 LONG OUTSIDE THE TANK.	1
7	100 Ø S.S. SUCTION PIPES, 450 LONG.	3
8	STANDARD LIFTING EYES 40 INTERNAL DIA. (AS PER DETAILS)	2
9	12 SQ. ALUMINIUM DIP ROD, 3022 LONG, GRADUATED ON ONE SIDE IN CM & 1/5 CM.	1
10	HOLDING DOWN BRACKETS, AS PER SKETCH.	8
11	25 Ø BOLT WITH HEXAGONAL HEADS, 520 LONG WITH R. H. THREADS.	8
12	25 Ø BOLT WITH HEXAGONAL HEADS, 200 LONG WITH L. H. THREADS.	8
13	225 LONG TURN BUCKLES AS PER DETAILS.	8
14	75 X 50 X 6 THK., 200 LONG (USED) IN HOLDING DOWN ARRANGEMENT.	8
15	6 THK. M. S. PLATE FOR MANHOLE NECK, SIZE - 340 X 1885.	2
16	10 THK., 742 Ø M. S. PLATE FOR MANHOLE COVER.	1
17	50 X 50 X 8 THK. ANGLE RINGS, 600 I. D. (FOR MANHOLE)	2
18	6 THK. M. S. PAD PLATE FOR MANHOLE, SIZE - 50 X 2040.	2
19	6 THK. M. S. PAD PLATE FOR DIP ROD, TO BE WELDED INSIDE SHELL PLATE, SIZE - 200 X 200.	2
20	150 X 10 THK. PAD PLATE FOR 80 Ø S.S. PIPES.	5
21	200 X 10 THK. PAD PLATE FOR 100 Ø S.S. PIPE.	1

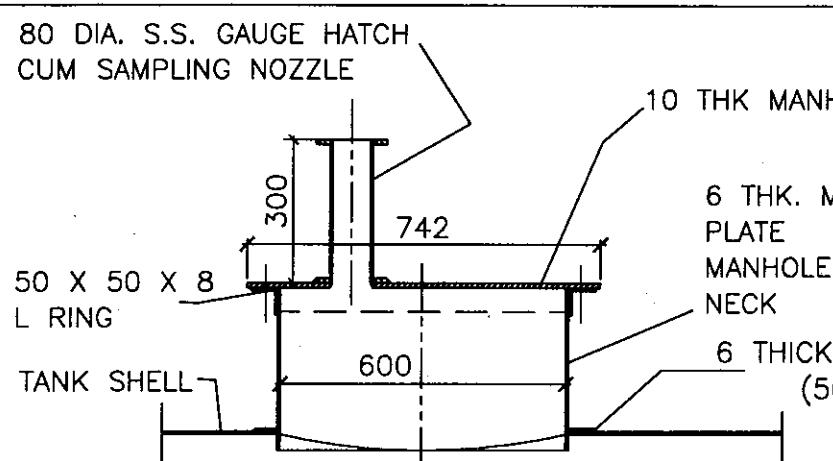


ALTERNATIVE - 1

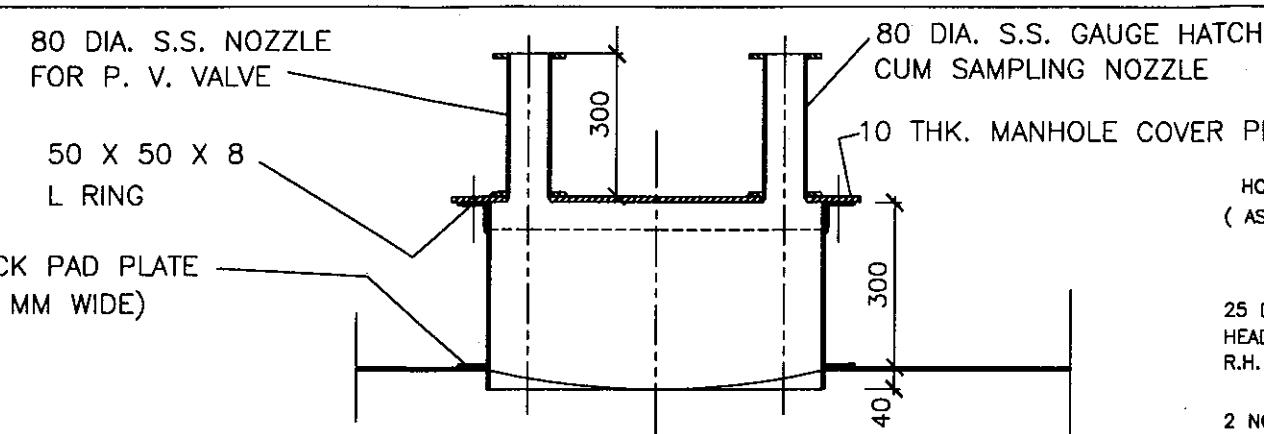
NOTES :-

- 1 - ALL SEAMS WELDED BY ELECTRIC ARC PROCESS.
- 2 - TANK TO BE HYDROTESTED WITH WATER AT 0.5 Kg / cm.
- 3 - SUPPLIER TO PROVIDE ALL FITTINGS ON TANK INCLUDING MANHOLE GASKETS, MANHOLE FITTINGS INTERNAL PIPES, GAUGE, HATCH NOZZLE IN THE CENTER ETC.
- 4 - ALL STAINLESS STEEL FLANGES CONFORMING TO ANSI - B.16.5, CL. 150, ASTM - A - 240, AISI - 304.
- 5 - ALL STAINLESS STEEL PIPES CONFORMING TO ANSI - B.36.19, ASTM - A - 403, AISI - 304.
- 6 - CLEATS ETC. MUST BE REMOVED AND SUCH SURFACES AS WELDS MUST BE GROUND WELL INSIDE THE THE TANK TO GIVE SMOOTH SURFACES.
- 7 - ALL WELDED JOINTS AT THE BOTTOM INSIDE THE TANK SHOULD BE GROUND SMOOTH FOR 300mm LENGTH.
- 8 - ALL WELDED JOINTS AT THE BOTTOM INSIDE THE TANK SHOULD BE GROUND SMOOTH FOR 300mm LENGTH.
- 9 - TANKS TO BE INTERNALLY EPICOATED AS PER SCHEME PROVIDED IN PAINTING MANUAL.
- 10 - FOR OTHER DETAILS REFER DRAWING NO. ENG / 343-1/4, 3/4, 4/4.
- 11 - ALL DIMENSIONS ARE IN mm., UNLESS OTHERWISE SPECIFIED.

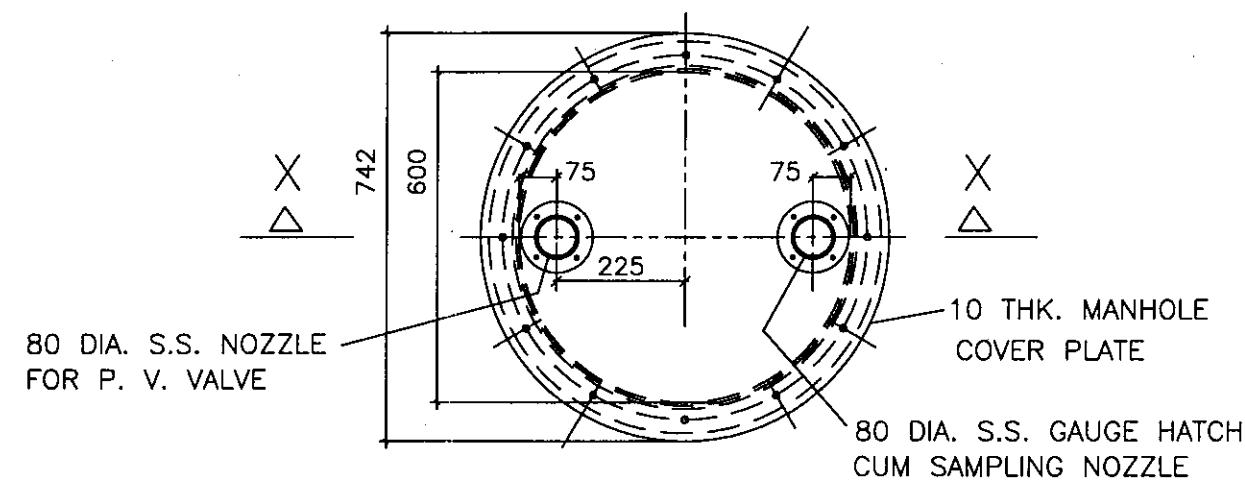
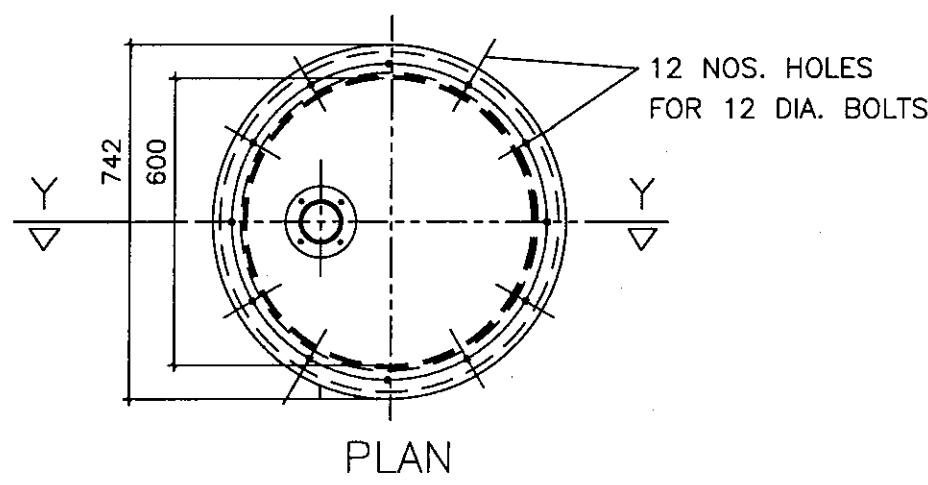
INDIAN OIL CORPN. LTD. (HEAD OFFICE)	
STANDARD	FABRICATION DETAILS
DRG. NO.	FOR 20 KL TANKS
ENG/343-2/4	(AVIATION PRODUCT)
DEEPAK PREPARED BY	<i>[Signature]</i> CHECKED BY <i>[Signature]</i> APPROVED BY <i>[Signature]</i>



SECTION AT Y - Y

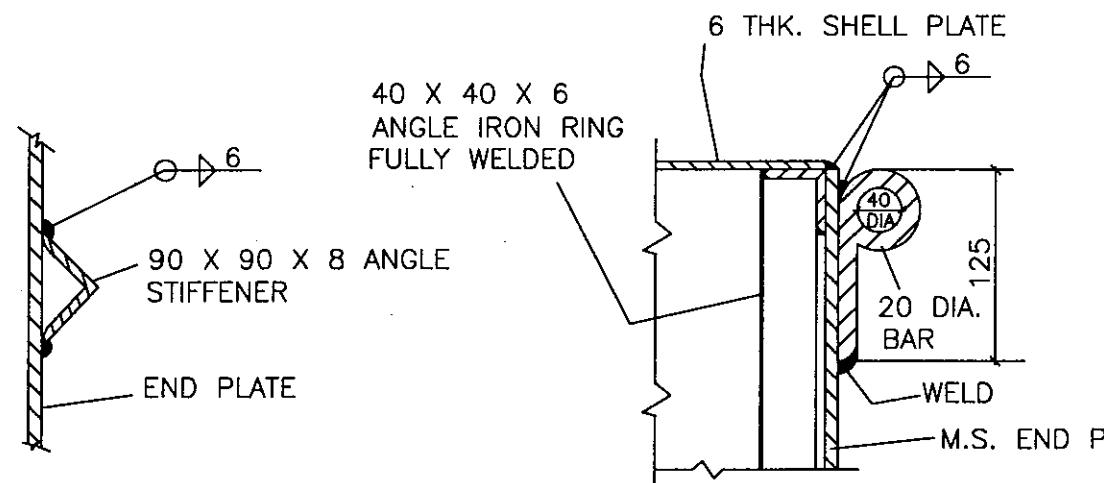


SECTION AT X - X



DETAILS OF HOLDING DOWN ARRANGEMENT & TURN BUCKLE

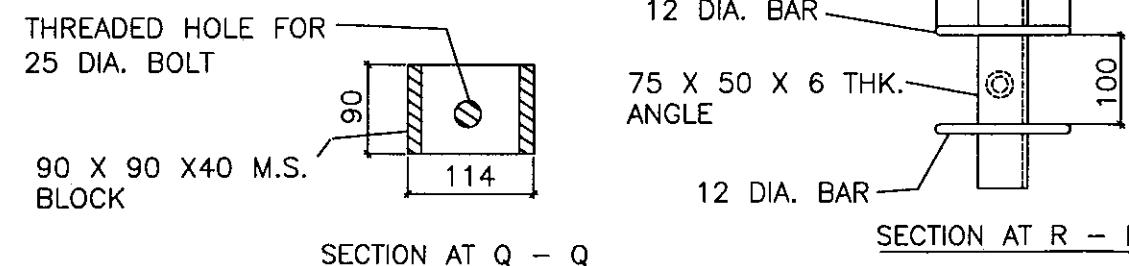
DETAILS OF MANHOLE - A



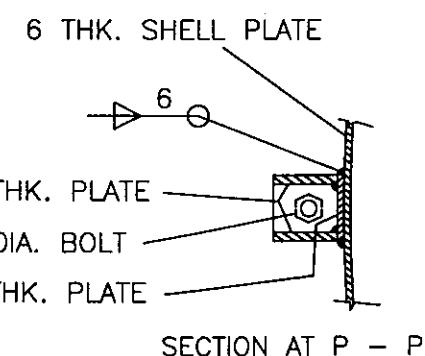
DETAILS OF STIFFENERS FOR END PLATES

DETAILS OF LIFTING EYE AT (E) AND ANGLE RING

DETAILS OF MANHOLE - B



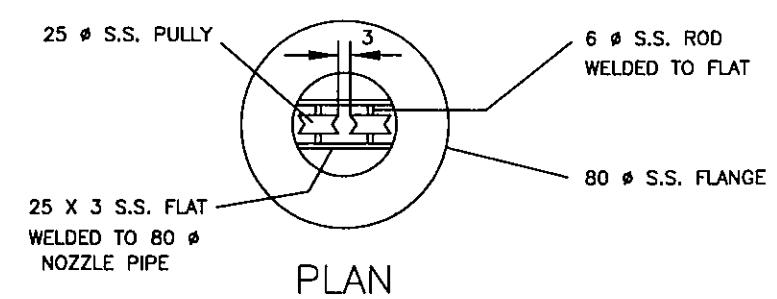
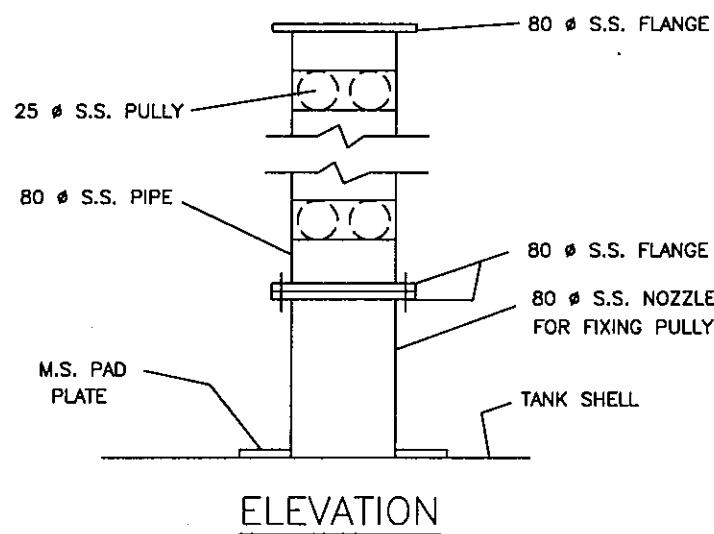
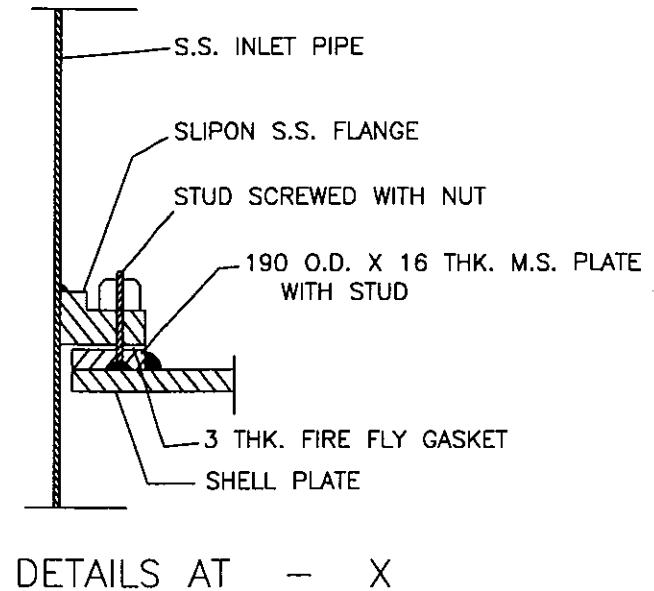
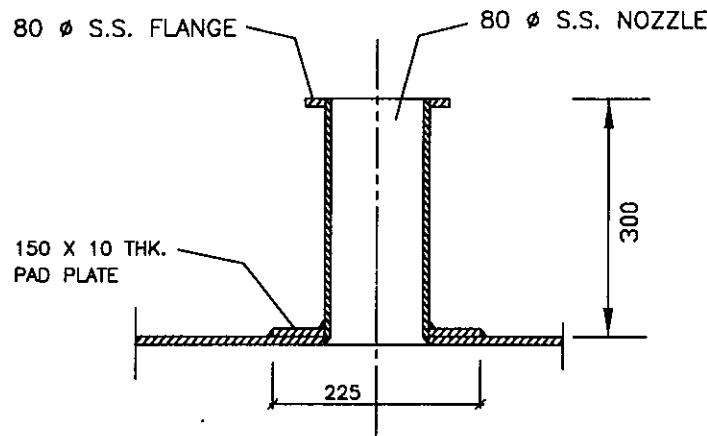
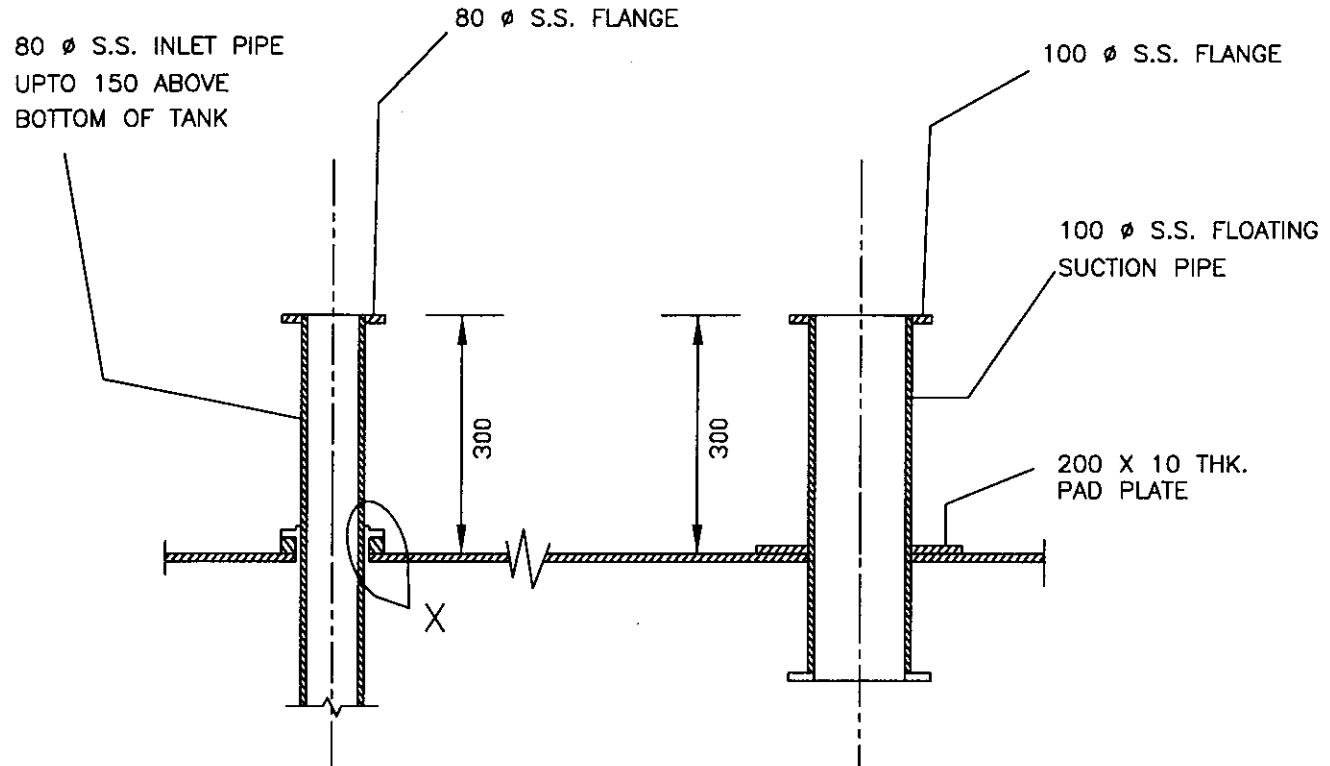
PLAN OF TURN BUCKLE



NOTES

1. - FOR OTHER DETAILS REFER DRG. NO. ENG / 343-1/4, 2/4, 4/4.
2. - ALL DIMENSIONS ARE IN mm., UNLESS OTHERWISE SPECIFIED.

INDIAN OIL CORPN. LTD. (HEAD OFFICE)	
STANDARD	FITTINGS AND ACCESSORIES
DRG. NO. ENG/343-3/4	20 KL TANK (AVIATION PRODUCT)
DEEPAK PREPARED BY	S. Biju CHECKED BY



PLA N

DETAIL OF FIXING PULLEY FOR
FLOATING SUCTION CABLE

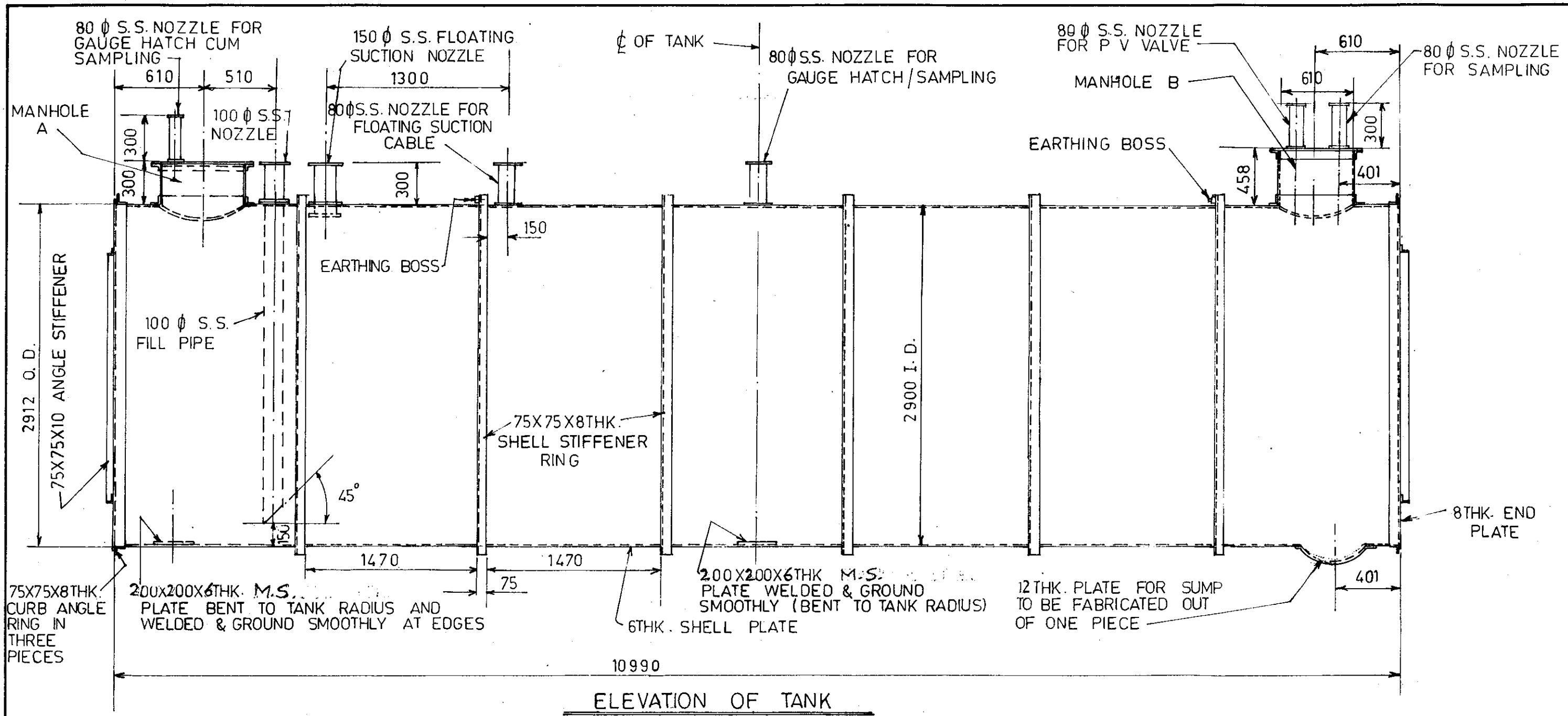
STAINLESS STEEL PIPE DIMENSIONS
AS PER ANSI B - 36 - 19

NOMINAL ϕ OF PIPE (mm)	OUTER DIAMETER (mm)	WALL THICKNESS (mm)
80	88.9	5.49
100	114.3	6.02
150	168.3	7.11

NOTE

1. - FOR OTHER DETAILS REFER DRG. NO. ENG / 343-1/4, 2/4, 3/4.
2. - ALL DIMENSIONS ARE IN mm., UNLESS OTHERWISE SPECIFIED.

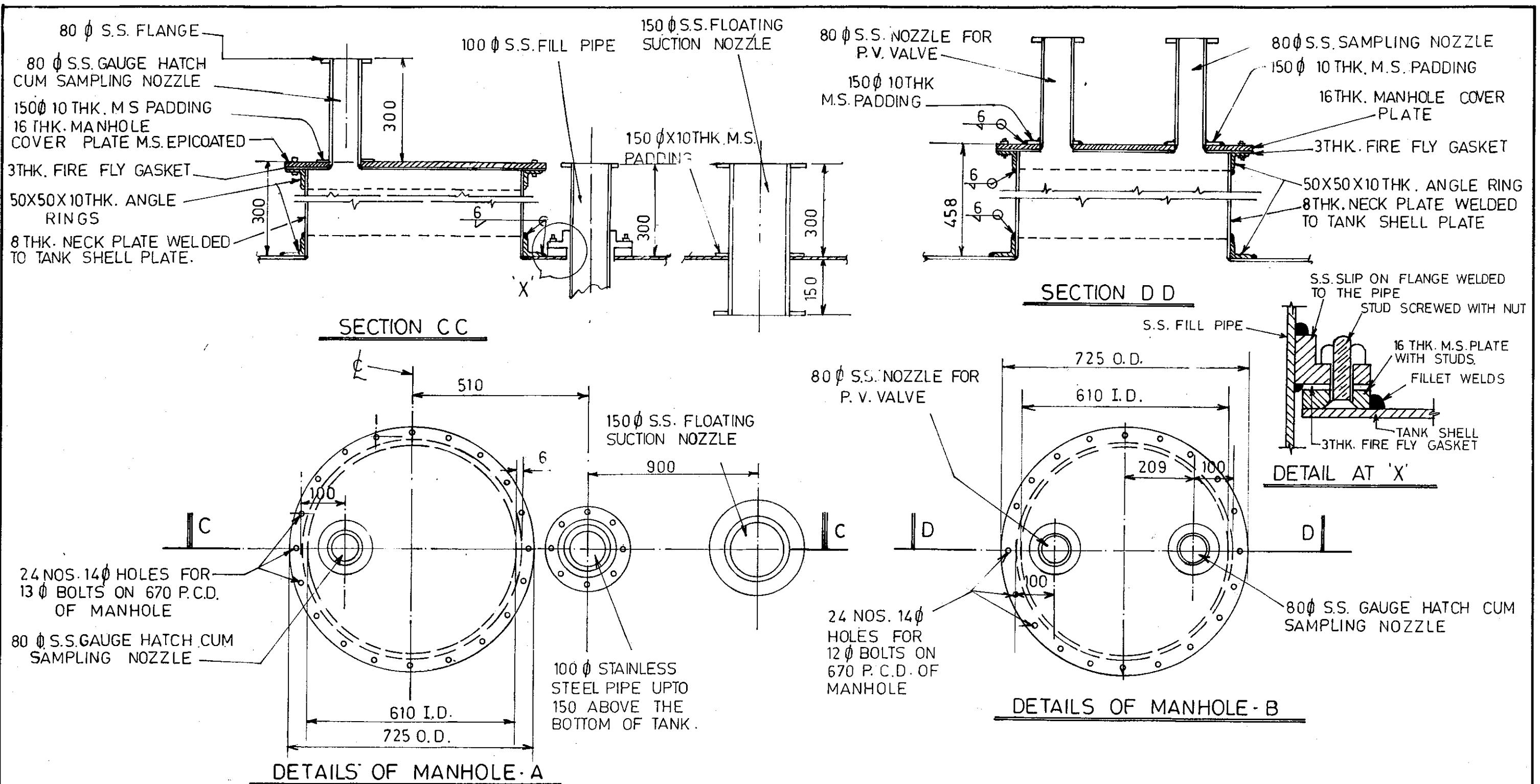
INDIAN OIL CORPN. LTD. (HEAD OFFICE)	
STANDARD	FITTINGS AND ACCESSORIES
DRG. NO.	FOR 20 KL TANK
ENG/343-4/4	(AVIATION PRODUCT)
DEEPAK	<i>[Signature]</i>
PREPARED BY	CHECKED BY
	CHECKED BY
	APPROVED BY



NOTES

- EARTHING BOSS SHALL BE FIXED ONLY ON SHELL STIFFENER RING.
- FOR OTHER DETAILS REFER DRG. NO. ENG/333-1/4 AND ENG/304
- ALL DIMENSIONS ARE IN mm.; UNLESS OTHERWISE SPECIFIED.
- CLEATS ETC. MUST BE REMOVED AND SUCH SURFACES AS WELL AS WELDS MUST BE GRINED WELL INSIDE THE TANK TO GIVE A SMOOTH SURFACE.
- ALL WELDED JOINTS AT THE BOTTOM INSIDE THE TANK SHOULD BE GROUNDED SMOOTH FOR 300mm. LENGTH.

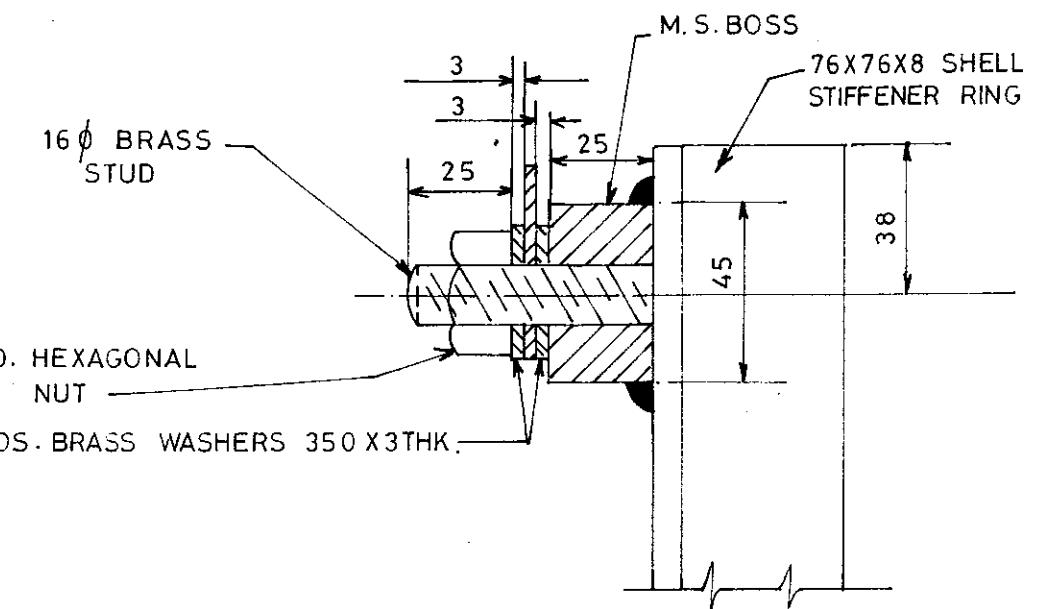
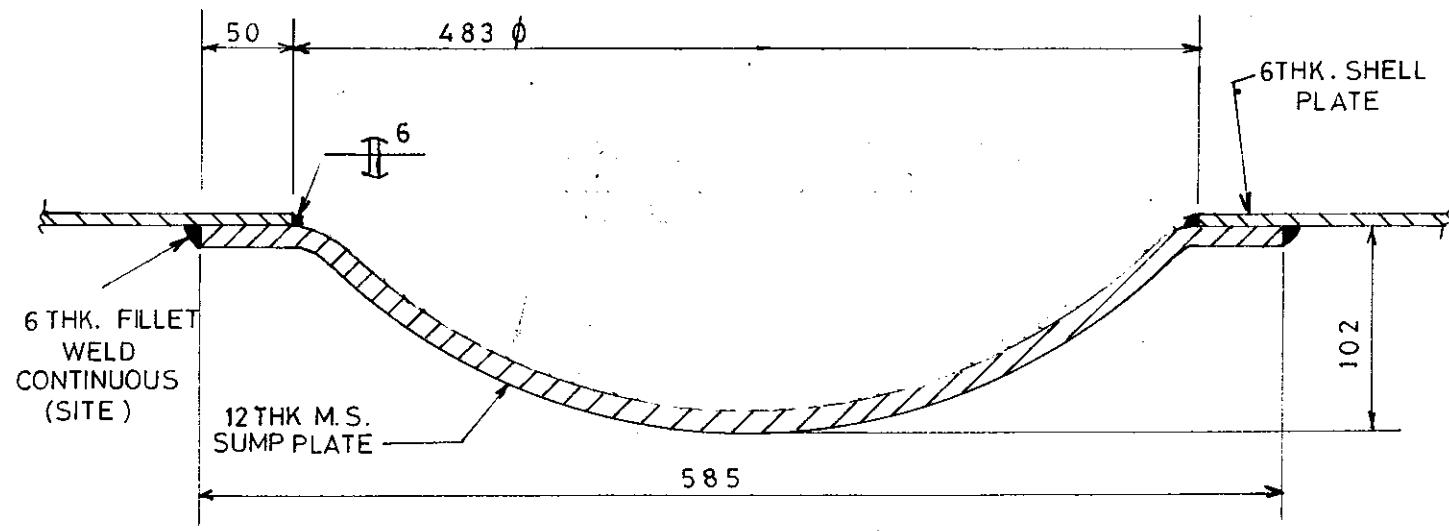
INDIAN OIL CORPN LTD (HEAD OFFICE)			
STANDARD	FABRICATION DETAILS		
DRG.NO.	FOR 70 KL TANK		
R1 ENG/333-1/4	(AVIATION PRODUCT)		
SR. NO.	DESCRIPTION	DATE	APPROV'D. BY
R1 ENG/333-1/4	300X300X3THK.S.S. PLATE CHANGED TO 200X200X6THK.M.S. PLATE AND 3THK. S.S. SUMP PLATE REMOVED	21/8	DEEPAK
			gopalan/parth
			rehan/parth
			checked by
			checked by
			APPROVED BY



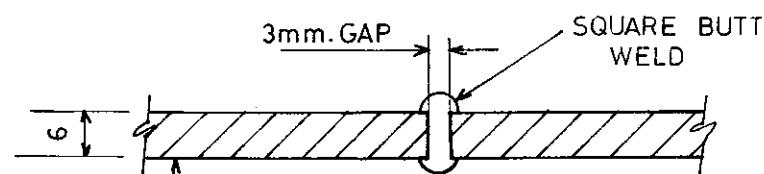
NOTES

- 1 - FOR OTHER DETAILS REFER DRG. NO. ENG/333- $\frac{1}{4}$ R₁, $\frac{3}{4}$ R₁, $\frac{1}{4}$ AND ENG/304.
 - 2 - ALL FLANGES SHOWN ARE STAINLESS STEEL CONFORMING TO ANSI B16.5, CL. 150, ASTM A 240; AISI-304.
 - 3 - ALL PIPES SHOWN ARE STAINLESS STEEL CONFORMING TO ANSI B-36-19; ASTM A 403; AISI-304.
 - 4 - ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE SPECIFIED.

INDIAN OIL CORPN. LTD (HEAD OFFICE)			
STANDARD	<u>FABRICATION DETAILS</u>		
DRG. NO.	FOR 70 KL TANK		
ENG/333-2/4	(AVIATION PRODUCT)		
DEEPAK			
DRAWN BY	CHECKED BY	CHECKED BY	APPROVED BY

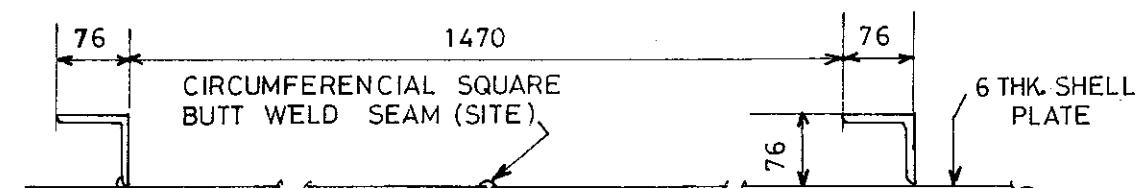


DETAIL OF SUMP

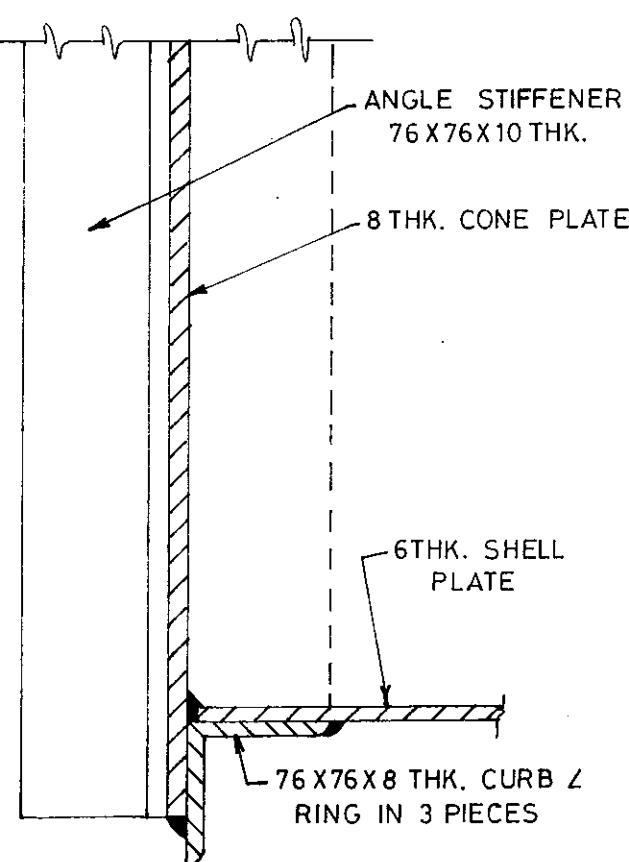


DETAIL OF EARTHING BOSS

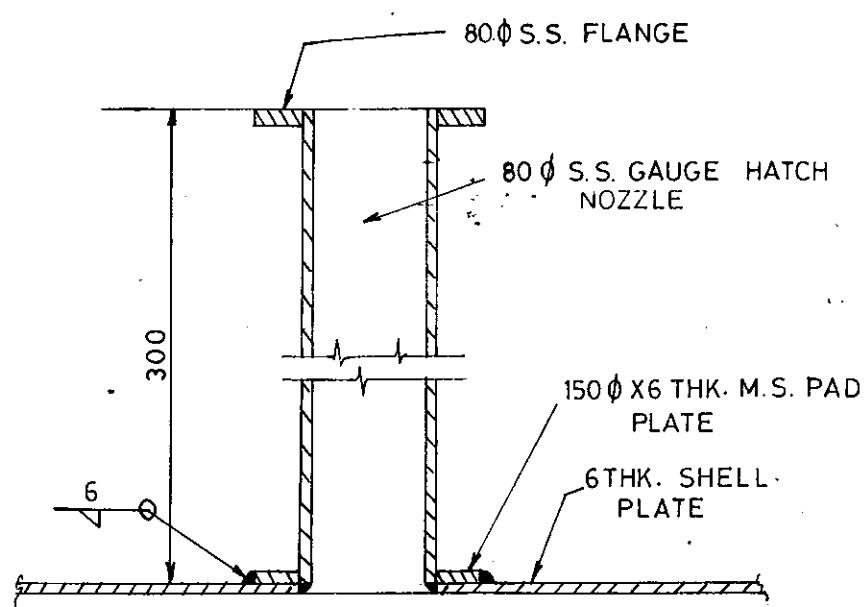
DETAILS OF CIRCUMFERENTIAL AND HORIZONTAL BUTT JOINTED SEAMS IN SHELL PLATES



DETAIL OF SHELL PLATE



DETAILS SHOWING CONE PLATES
STIFFENERS AND ANGLE STIFFENER
WITH OUTSIDE CURB ANGLE RING
CONNECTIONS

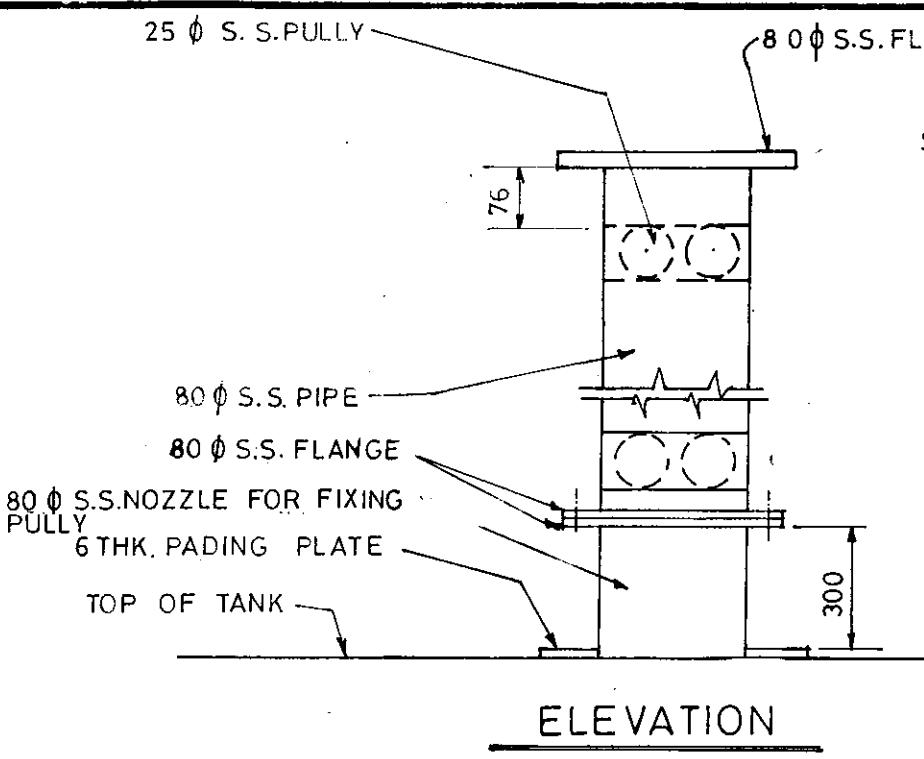


DETAILS OF DIP NOZZLE

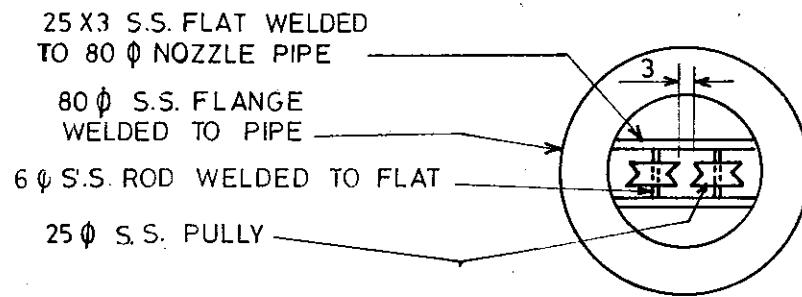
NOTES

- 1 FOR OTHER DETAILS REFER DRG. NO. ENG /304 AND ENG /333 - $\frac{1}{4}$, $\frac{2}{4}$, $\frac{4}{4}$
- 2 ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE SPECIFIED.

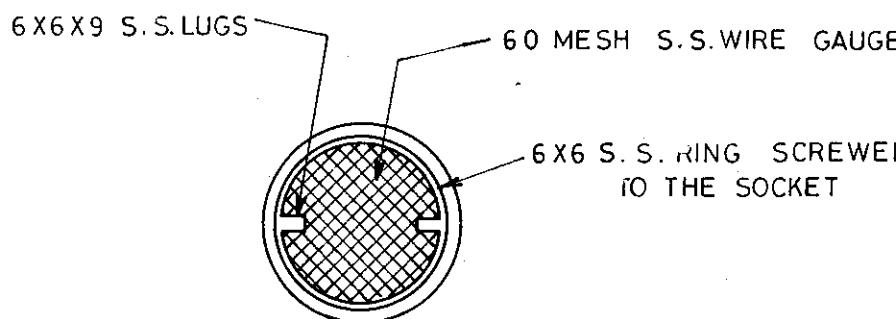
R1	3 THK. S.S. SUMP PLATE REMOVED	DATE	APPROVED BY
SR. NO.	DESCRIPTION	DATE	APPROVED BY
	INDIAN OIL CORPN LTD (HEAD OFFICE)		
STANDARD	FITTINGS & ACCESSORIES		
DRG. NO.	FOR 70 KL TANK		
ENG /333.3/4	(AVIATION PRODUCT)		
DEEPAK	REMOVED		
DRAWN BY	CHECKED BY		
	CHECKED BY		
	APPROVED BY		



ELEVATION

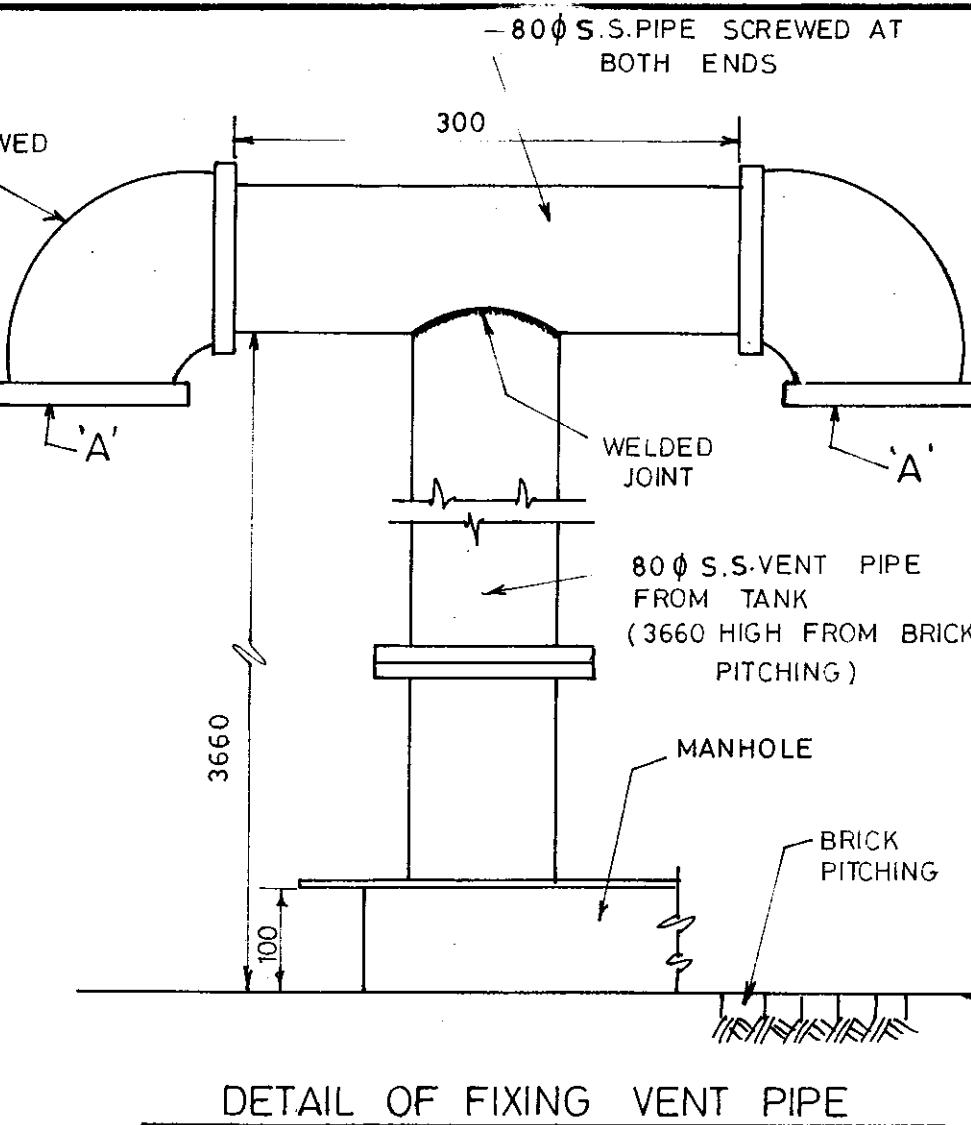


DETAIL OF FIXING PULLY

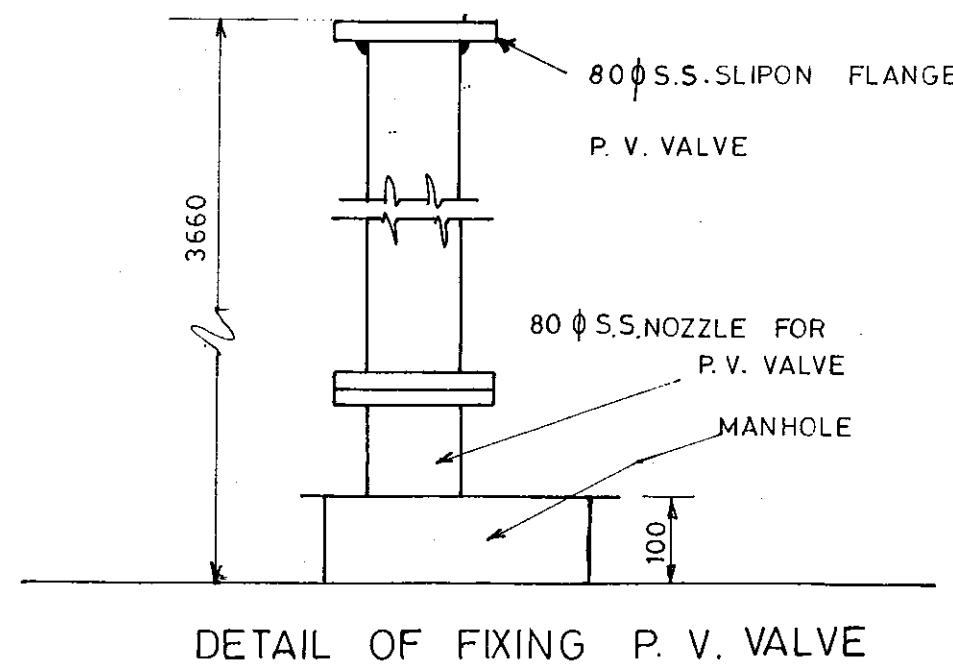


DETAIL OF FIXING WIRE

MESH AT 'A'



DETAIL OF FIXING VENT PIPE



DETAIL OF FIXING P. V. VALVE

NOTES

- 1 FOR OTHER DETAILS REFER DRG. NO. ENG /304 AND ENG /333-1/4R₁, 2/4, 3/4R₁
- 2 ALL DIMENSIONS ARE IN mm., UNLESS OTHERWISE SPECIFIED.

STAINLESS STEEL PIPE DIAMENSIONS AS PER ANSI B - 36.19

NOMINAL ϕ OF PIPE (mm)	O. D. (mm)	WALL THICKNESS (mm)
80	88.9	5.49
100	114.3	6.02
150	168.3	7.11

INDIAN OIL CORPN LTD (HEAD OFFICE)	FITTINGS & ACCESSORIES
STANDARD	
DRG. NO.	FOR 70 KL TANK
ENG /333-4/4	(AVIATION PRODUCT)
DEEPAK DRAWN BY	Shrawan Singh DRAWN BY
CHECKED BY	checked by
APPROVED BY	APPROVED BY

**Indian Oil Corporation Limited
(Marketing Division), Head office**

**Indian Oil Bhavan,
G-9, Ali Yavar Jung Marg,
Bandra(E), Bombay - 400 051**



Ref ENG/34

Dated: 11/06/09

**M/s OILCO Service (India) Ltd
8, Suleman Chambers
1st floor, 4, Battery Street,
Colaba,Mumbai - 400 039**

Sub: Flexible piping system

Dear Sir,

You are enlisted supplier for supply of UPP Make flexible piping system for use at IOCL Retail Outlets.

Please take reference of the following documents issued by Department of Explosives,Nagpur granting approval for the UPP flexible piping system.

1. Letter no. R.1(1)136/P.PTL/645 dated 17.6.04 .
2. Letter no. R.1(1)136/OSIL/645 dated 15.5.07.
3. Letter no. R.1(1)136/OSIL/645 dated 14.5.08.
4. Letter no. R.1(1)136/OSIL/645 dated 25.7.08.

From the perusal of the above documents, it is noted that the approval given by Department of Explosives, Nagpur vide their letter dated 17.06.04 for UPP flexible piping system is with secondary containment in the form of a co-axial slip pipe. The approval given by CCOE is not for single wall flexible piping system. This approval dated 17.06.04 is addressed to M/s Shell India Pvt. Ltd, New Delhi with a copy marked to M/S Oilco Services (India) Ltd. Other letters referred above of CCOE are for the extensions of this approval.

You are aware that our prescribed specifications are of primary carrier (single wall) flexible pipelines and for which you do not have approval from Department of Explosives.

Therefore, with a copy of this letter we are advising all our State Offices for not to use UPP flexible piping system at Retail Outlets.

Thanking you,

Yours faithfully,
For Indian Oil Corporation Ltd



(A. Rajvanshi)
Chief Manager (Engg.)

CC : SEHs – Since M/s OILCO do not have CCOE approval for single wall flexible piping system in line with our prescribed specifications, therefore henceforth stop using UPP flexible piping system by PetroTechnik at Retail Outlets.

Indian Oil Corporation Limited
(Marketing Division), Head office
Indian Oil Bhavan,
G-9, Ali Yavar Jung Marg,
Bandra(E), Bombay - 400 051



Ref ENG/34

Dated: 15/06/09

M/s Larsen and Toubro Limited
Petrol Dispensing Pump & System,
Sales and service division
C-Bildg, 1ST Floor, Gate No-1
Powai, Mumbai - 400 072

Atten : Sh Anil R. Joshi (Head -Services

Sub: Flexible piping system

Dear Sir,

You are enlisted supplier for supply of KPS Make flexible piping system for use at IOCL Retail Outlets.

Please take reference of the documents issued by Department of Explosives, Nagpur granting approval for the KPS flexible piping system, which are seen and discuss today at our office.

From the perusal of the above documents, it is noted that the approval given by Department of Explosives, Nagpur , KPS flexible piping system is with secondary containment in the form of a co-axial slip pipe. The approval given by CCOE is not for single wall flexible piping system.

You are aware that our prescribed specifications are of primary carrier (single wall) flexible pipelines and for which you do not have approval from Department of Explosives.

Therefore, with a copy of this letter we are advising all our State Offices for not to use KPS flexible piping system at Retail Outlets.

Thanking you,

Yours faithfully,
For Indian Oil Corporation Ltd



(A.Rajvanshi)
Chief Manager (Engg.)

CC : SEHs – Since M/s L&T do not have CCOE approval for single wall flexible piping system in line with our prescribed specifications, therefore henceforth stop using KPS flexible piping system by L&T at Retail Outlets.

INDIAN OIL CORPORATION LTD.
HEAD OFFICE, MUMBAI

INTER OFFICE MEMO

FROM : HO/LAW/

TO : GM (ENGG.), HO

REF : HO/LAW/1294

DATE : 16th June 2009

SUB : Deletion of Arbitration Agreement from Engineering Contracts.

Please refer to the discussions we had on 28/5/2009 in your chamber in the presence of representatives from LPG (Engg.) and your Department , when the subject issue was deliberated in detail for the purpose of achieving the objective of approval given by the Management pursuant to our Note No.HO/LAW/1294 dated 9/2/2009.

During the discussions it came to our notice that while there is a specific provision under Section 9 of the GCC relating to 'Arbitration and Alternative Dispute Resolution (ADR) Machinery' with counter reference to the said arbitration provision in some other Sections also, the format of Special Terms and Conditions specifies under Clause 15.0, that in case of contradiction between various formats executed by the contractor with the Corporation, which one will prevail and in what order of precedence. Having gone through the contents of the said Clause 15.0, it is observed that since the Special Terms and Conditions of the Contract have precedence over the GCC and nowhere else there is reference to the arbitration clause, as a part of the said Special Terms and Conditions, we can insert the requisite contents under Clause 34.0 of the format given to us that Section (9) of the GCC relating to Arbitration and ADR Machinery also stands deleted. It is in view of the fact that Clause 34 of the Special Terms and Conditions gives a list of clauses forming part of the GCC along with the tender, which are deleted at the time of finalizing the contract and also when submitted by the tenderer in token of acceptance.

..2/-

However, in addition to the reference to Section 9 of GCC for the purpose of deletion, we also suggest the following contents to be included as another sub-clause under clause 34 of Special Terms and Conditions :

"The reference to the Arbitration and Alternative Dispute Resolution Machinery provision as contained in GCC in any other term or condition, which may be general or special in nature, shall also stand deleted to the extent the said contents are applicable to the Arbitration provisions."

We trust that as discussed during the deliberation on the subject, the suggestions when implemented at the time of executing contracts relating to General Engg. and LPG Engg. will be able to take care of the objective to be achieved, pursuant to the approval of the Management.

You are therefore requested to issue necessary instructions to all concerned in the Marketing Division and in case of any further clarification/suggestion, please revert to us.



Pankaj Kumar
DGM (LAW), HO

CC : ED (LPG) / ED (ENGG.), HO

- With a request for issuing necessary instructions to all concerned.

**ED (Coordn.), HO / ED (CA), CO } for kind information.
DGM Dir (M)'s Sectt., HO }**

Chief LPG Manager (Engg.), HO. / Chief Engg. Mgr., HO

- We thank you for your valuable suggestions and sharing your experience.

POLICY CIRCULAR NO. ISI-6/2009
Indian Oil (MD)
RETAIL SALES DEPT. , HO

No. RS/18

June 23, 2009

All State Retail Heads

Sub : Integration of IBP ROs with Brand IOC

Please refer to our earlier Circular No.RS/18 dated 17/12/2007 advising you to initiate actions on certain Key decisions in respect of IBP merger on Retail Activities. One of the Key decision was on " Maintaining IBP Brand and Retail Visual Identity". Clause 2 (a) of the circular states that "at all **existing** IBP ROs the Logo and RVI features of IBP would be maintained in the future also". Accordingly, IBP brand continue to exist separately along with the IOC brand.

It is now felt that steps need to be taken to integrate the IBP brand with IOC for the following reasons:

- a) Field force finds it difficult to handle both service brands.
- b) As both service brands offer the same, there is no necessity to have two strong service brands.
- c) If IBP brand is retained, it will only remain as a secondary brand, which will impact the image of Indian Oil as a leader.
- d) To extinguish corporate identity of IBP as there is no future of its expansion.
- e) The dealer network of IBP look forward to being integrated with IOC so that the feeling of discrimination is eliminated.

Accordingly, approval has now been obtained from Dir (M) for the following: -

- 1) i) All "A" site Retail Outlets of the erstwhile IBP, whose sales are above 100 KL per month, are to be integrated with IOC brand.
- ii) All other Retail Outlets of erstwhile IBP (i.e. 'B', 'C' & C-2 sites) with sales above 100 KL p.m. and if the dealers are willing to convert to "A" site ROs, would also be taken up for integration with IOC brand.

With reference to (ii) above, work to be taken up only after the conversion to 'A' Site is completed.

POLICY CIRCULAR NO.15/-6/2009
Indian Oil (MD)
RETAIL SALES DEPT. , HO

No. RS/18

June 23, 2009

Sub : Integration of IBP ROs with Brand IOC

2) Integration of the Brand involves the following:

i) Replacement of RVI Elements.

The IOC - RVI elements are to be provided at all eligible IBP ROs which should be in line with the current RVI policy in vogue and as per Administrative and Expenditure approval from the competent authority for each case.

ii) Painting of Retail Outlets and Painting of DUs.

Painting of Retail Outlets and DUs to be done as per IOC colour scheme.

No additional expenditure is envisaged in case of RO painting and DU paintings, since the same are to be done every year for all 'A' sites as per policy.

3) Emblem Signage:

The Emblem Signage available at all A-Site IBP ROs will be dismantled and re-utilised at 'B' & 'C' Site IBP ROs after necessary repairs / repainting, if any.

In case the existing Emblem Signage at any RO is old and found beyond scope of repairs, the same shall be disposed off as an obsolete asset as per the prevailing norms.

4) High Mast:

IBP ROs, where High Masts are available, it is decided to replace the Logo of IBP with IOC Logo and retain the existing Mast.

POLICY CIRCULAR NO.151-6/2009
Indian Oil (MD)
RETAIL SALES DEPT. , HO

No. RS/18

June 23, 2009

Sub : Integration of IBP ROs with Brand IOC

5) Dealership Agreement:

A communication has been sent earlier to all the State Offices vide Ref.No.RS/18 dated 15/9/2008 that Dealership Agreements have to be signed afresh with all IBP dealers, which were commissioned prior to 1/04/2002. Please refer to the communication and ensure compliance for each proposal.

The exercise of integration should be taken up with immediate effect during the current year 2009-2010.

M.D. Kumar
23/6/09.
(M.D.Kumar)
DGM (Retail Sales)
[Signature]

CC: State Heads
CC: ED(RS)
CC: ED(Finance)
CC: ED(Engg& Pj)
CC: ED(Coordination)
CC: ED(CC& Branding),HO

CC: CEA to D(M),HO
CC: GM(RS)-Shri Alok Mishra
CC: GM(IA),HO
CC: CVM,HO
CC: DGM(LAW,HO
CC: Office Copy

Ref: ENG/20

Date: 29/06/2009

To
State Engineering Heads

Circular

Sub: Preparation of Technical Estimates for Works.

General Guidelines for collection of market rates and preparation of technical estimates for Engineering works was circulated vide ref.ENG/20/196 dated 15/11/2007 as per the approval accorded by ED.

As per the above referred circular, technical estimates for works other than grass root projects and Capex contracts can be prepared by using finalized Capex rates with suitable escalation/ de-escalation based on RBI indices. Considering various factors viz. resources deployment, enhanced quality requirements, compressed targets, etc., it is considered that Capex finalized rates may not be appropriate for estimating the rates for high value works. Instead, the rates contained in the technical estimates prepared for inviting Capex tender may be more apt to be used, since these rates are prepared scientifically by collecting market rates of various inputs. In view of the same, the provision with regard to preparation of estimates for 'Other works' is revised as under:

"Technical estimate for invitation of tenders can be prepared by collecting current market rates of inputs and preparing rate analysis. Alternately, the estimated rates for invitation of Tenders for CAPEX contracts may be used for the Technical Estimates."

The circular is being issued with the approval of ED (E&P).


(V.M.Sasidhar)
DGM (Engg)

Copy to :

- 1. All Core Group Members**
- 2. All State Heads**
- 3. DGM Dir (M)'s Secretariat**
- 4. GM (IA), HO**
- 5. GM (Vig.), CO**