



An ISO 9001  
Company

## Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

**MATERIALS MANAGEMENT**

<b>TITLE</b> <b>CORRIGENDUM for NIT_23567</b>	Phone: +91 431 2577994/2574087 Fax : +91 431 252 0719 Email : <a href="mailto:joydevsardar@bheltry.co.in">joydevsardar@bheltry.co.in</a>
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<b>Reference Number:</b> Enquiry 1801500799	<b>Enquiry Date:</b> 23.07.15	<b>Due date for submission of quotation:</b> 14.09.2015
You are requested to quote the Enquiry number date and due date in all your correspondences. This is only a request for quotation and not an order		

### CORRIGENDUM

<b>Details of Corrigendum</b>
<i>The following changes are to be incorporated in the website for inviting offers for supply of Furnace maintenance platform for various projects:</i> 1) Addition of Qty. for Nabinagar Project (Refer Enquiry & attachment) 2) Due date extended upto 25.09.2015 (Refer Enquiry)
<b>All other terms and conditions as published in the NIT 23567 remain unaltered.</b>

BHEL commercial terms & conditions with Price Bid formats and all annexure can be downloaded from BHEL web site <a href="http://www.bhel.com">http://www.bhel.com</a> or from the Government tender website <a href="http://tenders.gov.in">http://tenders.gov.in</a> (public sector units) Bharat Heavy Electricals Limited) under enquiry reference "1801500799 "	
Tenders should reach us before 14:00 hours on the due date Technical bid will be opened at 14:30 hours on the due date Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present.	Yours faithfully, <b>For Bharat Heavy Electricals Limited</b>



# BHARAT HEAVY ELECTRICALS LIMITED

( A Government of India Undertaking )  
HIGH PRESSURE BOILER PLANT  
PURCHASE DEPARTMENT - FOSSIL BOILERS  
THIRUCHIRAPALLI - 620014  
TAMILNADU (INDIA)

PHONE :2577359  
GRAMS : BHARATELEC  
FAX NO: 2520719  
E-mail:  
Web:

429-002/A

	<b>Enquiry No</b> 1801500799	<b>Enquiry Date</b> 23.07.2015	<b>Due Date for Quotation</b> 25.09.2015
<p>Please quote Enquiry No, Date and due date in all correspondences. This is only a request for quotation and not an order. <b>Bid should be submitted in two parts. 1.Techno-commercial bid (Part-I) and 2.Price bid(Part-II) in a separate sealed cover and both covers must be placed in a third cover and sealed. Our Enquiry No., Enq. date &amp; Enq. Due date must be written on all three covers.</b></p>			

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	L125419951201001  Electrically operated Furnace Maintenance Platform 2 wall coverage Both Ends Flat Length = 13.000M; Ref. drg. 1-99-512-40837; Specification no.MHS-HEQ/071 Rev.04, Annexure-I to specification	NO	1.000	1.00	20.01.16
20	L125419951201002  FURNACE MAINTENANCE PLATFORM WITH 45 DEG.CHAMFER AT BOTH ENDS LENGTH= 10.000M; Ref.drg.1-99-512-40837; Specification no.MHS-HEQ/071 REV.04, Annexure-I to specification	NO	1.000	1.00	20.01.16
30	L171319951401001  FURNACE MAINTENANCE PLATFORM 4 WALL COVERAGE WITH 45DEG CHAMFER AT RIGHT SIDE LENGTH = 9.0M; Ref.drg.1-99-514-40829/00; Specification no.MHS-HEQ/071 Rev.04, Annexure-I to specification	SET	2.000	2.00	20.01.16
40	L171319951401002  FURNACE MAINTENANCE PLATFORM WITH 45 DEG.CHAMFER AT LEFT SIDE LENGTH= 9.000M; Ref.drg.1-99-514-40829/00; Specification no.MHS-HEQ/071 REV.04, Annexure-I to specification	SET	2.000	2.00	20.01.16
50	L171319951401003  FURNACE MAINTENANCE PLATFORM WITH BOTH ENDS FLAT LENGTH= 16.000M; Ref.drg.1-99-514-40829/00; Specification no.MHS-HEQ/071 REV.04, Annexure-I to specification	SET	2.000	2.00	20.01.16
60	L171519951401001  PLATFORM WITH 45 DEG.CHAMFER AT RIGHT SIDE. LENGTH= 9.700M; Ref.drg.1-99-514-40834; Specification no.MHS-HEQ/071 Annexure-I to specification	NO	2.000	2.00	20.01.16

<p>The offers should reach us 30 minutes before the time of opening of tenders. The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening.Late and delayed offers are liable to be rejected.</p>	<p>Yours faithfully, For <b>BHARAT HEAVY ELECTRICALS LIMITED</b></p> <p>MANAGER / PURCHASE (FOSSIL BOILERS) Yours faithfully,</p>
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# BHARAT HEAVY ELECTRICALS LIMITED

( A Government of India Undertaking )  
HIGH PRESSURE BOILER PLANT  
PURCHASE DEPARTMENT - FOSSIL BOILERS  
THIRUCHIRAPALLI - 620014  
TAMILNADU (INDIA)

Page  
2/4

PHONE :2577359  
GRAMS : BHARATELEC  
FAX NO: 2520719  
E-mail:  
Web:

1801500799 / 23.07.2015			23505		
70	L171519951401002	NO	2.000	2.00	20.01.16
PLATFORM WITH 45 DEG.CHAMFER AT LEFT SIDE. LENGTH= 9.700M; Ref.drg.1-99-514-40834; Specification no.MHS-HEQ/071, Annexure-I to specification					
80	L171519951401003	NO	2.000	2.00	20.01.16
PLATFORM WITH BOTH SIDES FLAT; LENGTH= 16.250M; Ref.drg.1-99-514-40834; Specification no.MHS-HEQ/071, Annexure-I to specification.					
90	L180419951401001	NO	2.000	2.00	20.01.16
FURNACE MAINTENANCE PLATFORM WITH 45 DEG.CHAMFER AT RIGHT SIDE. LENGTH= 9.000M; Ref.drg.1-99-514-40833/01; Specification no.MHS-HEQ/071 Annexure-I to specification					
100	L180419951401002	NO	2.000	2.00	20.01.16
FURNACE MAINTENANCE PLATFORM WITH 45 DEG.CHAMFER AT LEFT SIDE. LENGTH= 9.000M; Ref.drg.1-99-514-40833/01; Specification no.MHS-HEQ/071, Annexure-I to specification					
110	L180419951401003	NO	2.000	2.00	20.01.16
FURNACE MAINTENANCE PLATFORM WITH BOTH SIDES FLAT; LENGTH= 16.000M; Ref.drg.1-99-514-40833/01; Specification no.MHS-HEQ/071, Annexure-I to specification.					
<b>General Note:</b>					
1) This is an open tender and same has been published on BHEL & NIC website <a href="http://www.bhel.com/tender/tender_home.php">http://www.bhel.com/tender/tender_home.php</a> & <a href="http://tenders.gov.in">http://tenders.gov.in</a> and also in leading dailies. All corrigendums will be published on BHEL & NIC websites only. Vendors are requested to visit these websites regularly.					
2) Kindly submit your offer in two parts as per attached specification, Drawing and also carefully read all the annexures before submitting the offer.					
3) Item Sl.No.10 & 20 is meant for TSGENO Project and considered as a single package. Item No.30 to 50 are meant for OPGCL Project and considered as a single package. Item No.60 to 80 are meant for Gadarwara project and considered as a single package. Rest of the items are meant for Nabinagar Project and considered as a single package.					
The offers should reach us 30 minutes before the time of opening of tenders. The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening.Late and delayed offers are liable to be rejected.				Yours faithfully, For <b>BHARAT HEAVY ELECTRICALS LIMITED</b>	
				MANAGER / PURCHASE (FOSSIL BOILERS) Yours faithfully,	

# BHARAT HEAVY ELECTRICALS LIMITED



( A Government of India Undertaking )  
HIGH PRESSURE BOILER PLANT  
PURCHASE DEPARTMENT - FOSSIL BOILERS  
THIRUCHIRAPALLI - 620014  
TAMILNADU (INDIA)

PHONE :2577359  
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Page  
3/4

1801500799 / 23.07.2015

23505

Price evaluation shall be as per individual package (4 package) basis. You have submit offer as per this requirement.

All the tenders may be addressed to the following address:

**The Tender Opening Cell / MM  
Room No: 26, Building 24, Ground Floor  
Bharat Heavy Electricals Limited  
TIRUCHIRAPALLI 620014**

In case personal delivery of the offer, it shall be dropped into the respective box kept in Room No: 26, after duly entering the data in the system.

Offers will be accepted only up to 14.00 Hrs on the due date. Therefore, vendors shall ensure to submit the offers well before this time. All due date extension requirements should be addressed to the respective Purchase mail IDs. All the due date extension requests from vendors will be considered only up to 48 hours before the due date and time.

Vendors are requested to avoid submission of offers through e mail / fax. In case of any unavoidable situation, offers shall be sent through e mail to the following mail ID only tender\_cell@bheltry.co.in.

As tenders are being opened by Common Tender Opening Cell, offer covers should be sealed with tenderer's distinctive seal and super scribed with correct Tender No. item of supply and due date of opening.

The offers will be opened at 14.30 hrs on the due date of the tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

**The bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL fraud prevention policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL management about any fraud or suspected fraud as soon as it comes to their notice.**

## **Enclosures:**

- 1) Annexure-I
  - i) Specification No.MHS-HEQ/071 Rev.04 (Bhadradri Project)
  - ii) Drawing No.1-99-512-40837/00 (Bhadradri Project)
  - iii) Specification No.MHS-HEQ/071 Rev.04 (OPGCL Project)
  - iv) Drawing No.1-99-514-40829/00 (OPGCL Project)
  - v) Specification No.MHS-HEQ/071 Rev.04 (Gadarwara Project)
  - vi) Drawing No.1-99-514-40833/01 (Gadarwara Project)
  - vii) Specification MHS-HEQ/071 Rev.04 (Nabinagar Project)
  - viii) Drawing No.1-99-514-40834/00 (Nabinagar Project)
- 2) Annexure-II - Loading terms

The offers should reach us 30 minutes before the time of opening of tenders. The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

Yours faithfully,  
For **BHARAT HEAVY ELECTRICALS LIMITED**

MANAGER / PURCHASE  
(FOSSIL BOILERS)  
Yours faithfully,

# BHARAT HEAVY ELECTRICALS LIMITED



( A Government of India Undertaking )  
HIGH PRESSURE BOILER PLANT  
PURCHASE DEPARTMENT - FOSSIL BOILERS  
THIRUCHIRAPALLI - 620014  
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Page  
4/4

1801500799 / 23.07.2015

23505

- 3) Annexure-III - General Terms
- 4) Annexure-IV - Terms & conditions
- 5) Annexure-V - MSE clause
- 6) Annexure-VI - SRF

"LD clause has to be confirmed without fail."

The offers should reach us 30 minutes before the time of opening of tenders.  
The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

Yours faithfully,  
For **BHARAT HEAVY ELECTRICALS LIMITED**

MANAGER / PURCHASE  
(FOSSIL BOILERS)  
Yours faithfully,



*Bharat Heavy Electricals Limited*  
**Product Engineering / Fossil Boilers**  
**Handling System**

**Annexure - I to Specification No. MHS-HEQ/071 - Rev. 04**  
(For Electrically Operated Furnace Maintenance Platform - 4 wall coverage.)

**PROJECT** : NABINAGAR 3x660MW  
**CUSTOMER NO.** : 1715  
**REFERENCE DRAWING No.** : 1-99-514-40834

- 1.0 Supplier to supply Furnace maintenance platforms as per specification no. **MHS-HEQ/074 Rev. 04**
- 2.0 Top of ceiling girder elevation : 94.500 M.
- 3.0 Access door elevation : 12.311 M.

**4.0 SCOPE OF SUPPLY**

**4.1.0 PLATFORMS**

- 4.1.1 Platform with 45° LH chamfer at one end and other with flat end for a length of 9.700M. - 2 Nos.
- 4.1.2 Platform with 45° RH chamfer at one end and other with flat end for a length of 9.700M. - 2 Nos.
- 4.1.3 Platform with both sides flat with length of 16.250M. - 2 Nos.
- 4.1.3 Platform wall roller assy & bracket complete with connecting fasteners. The rollers shall be designed suitably to move on the spiral water walls.
- 4.1.4 Complete guard rails with connecting fasteners.
- 4.1.5 Connecting block and tubes with connecting fasteners.
- 4.1.6 Each module shall be capable of mounting STIRRUP arrangements such that any module can be used for traversing between any two cable openings.
- 4.1.7 One set of special tools shall form part of the supply.

**4.2.0 STIRRUPS**

- 4.2.1 Suitable Hot galvanised stirrups & stirrup retainer complete with fasteners.

**4.3.0 HOIST (ROPE CLIMBING MACHINE)**

- 4.3.1 Hoist for safe working load of 800 Kgs.
- 4.3.2 Electrically operated rope climbing machine with top limit switch.
- 4.3.3 Common single power control for both hoists.

**4.4.0 SAFETY DEVICES**

- 4.4.1 Safety braking system
- 4.4.2 Anti tilting device
- 4.4.3 Mercury level switches
- 4.4.4 Over speed safety device
- 4.4.5 Top limit switches
- 4.4.6 Overload/Under load safety device assembly

Prepared & Checked:

*R.S. Yadav*  
(R.S. Yadav)

Approved:

*D. Vijayakumar*  
(D. Vijayakumar)

Date : 18/07/2015

Page No.:1/3



**Bharat Heavy Electricals Limited**  
**Product Engineering / Fossil Boilers**  
**Handling System**

**Annexure - I to Specification No. MHS-HEQ/071 - Rev. 04**  
(For Electrically Operated Furnace Maintenance Platform - 4 wall coverage.)

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**4.5.0 WIRE ROPE**

- 4.5.1** Suitable length and quantity of steel wire rope with suitable size and construction of 6 X 36 for electrically operated hoist. Supplier to specify the size of the rope offered. Minimum length of wire rope shall be 100 M.
- 4.5.2** Secondary wire rope with cable weight.
- 4.5.3** Rope shall be of galvanised steel wire.
- 4.5.4** Rope shall have tensile strength of 240 Kg/Sq.mm. minimum.
- 4.5.5** Rope end fittings, 'D'shakles, thimbles, rope clamps and other required items.

**4.6.0 POWER SUPPLY**

- 4.6.1** Power supply cable shall be provided for 3 Phase; 415V AC; 50 Hz.
- 4.6.2** Power supply cable shall be provided for suitable length as per BHEL arrangement drawing (1-99-514-40834).
- 4.6.3** Power supply cable rating shall be furnished by vendor.
- 4.6.4** Power supply cable shall be provided with plug and cable retainer.

**4.7.0 CONTROL SYSTEM :** Centralised control box shall be provided for easy operation.

- 5.0** Vendor shall furnish other mechanical, electrical and control accessories required for safety, easy maintenance and easy operation.

**5.0 DOCUMENTS NEEDED**

- 5.1** Refer clause no 13.0 of specification.
- 5.2** Hoist Data Sheet and Platform arrangement drawing.

**5.2 O & M MANUALS**

- 5.2.1** Operation and Maintenance manuals both as soft(CDs) and hard copies(in A4-size) should be submitted to BHEL/Tiruchirappalli prior to despatch of the equipment. - No of copies : 3. As per clause no 13.5.1 of specification MHS-HEQ-71/04.
- 5.3.0** Operation and maintenance manual should contain the following
- 5.3.1** Data sheet for the equipment & its bought out items.
- 5.3.2** Brief description of equipments under supply.
- 5.3.3** Operation, and Trouble shooting
- 5.3.4** Maintenance and service instructions including lubrication schedule wherever required.
- 5.3.5** Recommended spare parts for 3 years for trouble free operation.
- 5.3.6** Assembly drawing with parts list.
- 5.3.7** The manual shall pertain to the model or type supplied for the particular contract.

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Prepared & Checked:

*R.S. Yadav*  
(R.S.Yadav)

Approved:

*D.Vijayakumar*  
(D.Vijayakumar)

Date : 18/07/2015

Page No.:2/3

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*Bharat Heavy Electricals Limited*  
**Product Engineering / Fossil Boilers**  
**Handling System**

**Annexure - I to Specification No. MHS-HEQ/071 - Rev. 04**  
(For Electrically Operated Furnace Maintenance Platform - 4 wall coverage.)

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- 6.0 GUARANTEE :** The offered system shall be guaranteed for 18 months from the date of commissioning or 24 months from the date of supply.
- 7.0** All the points in specification & annexure - I to the specification should be strictly adhered to.
- 8.0** Offers without the required documents along with the offer shall not be considered.

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Prepared & Checked:

*R.S. Yadav*  
(R.S. Yadav)

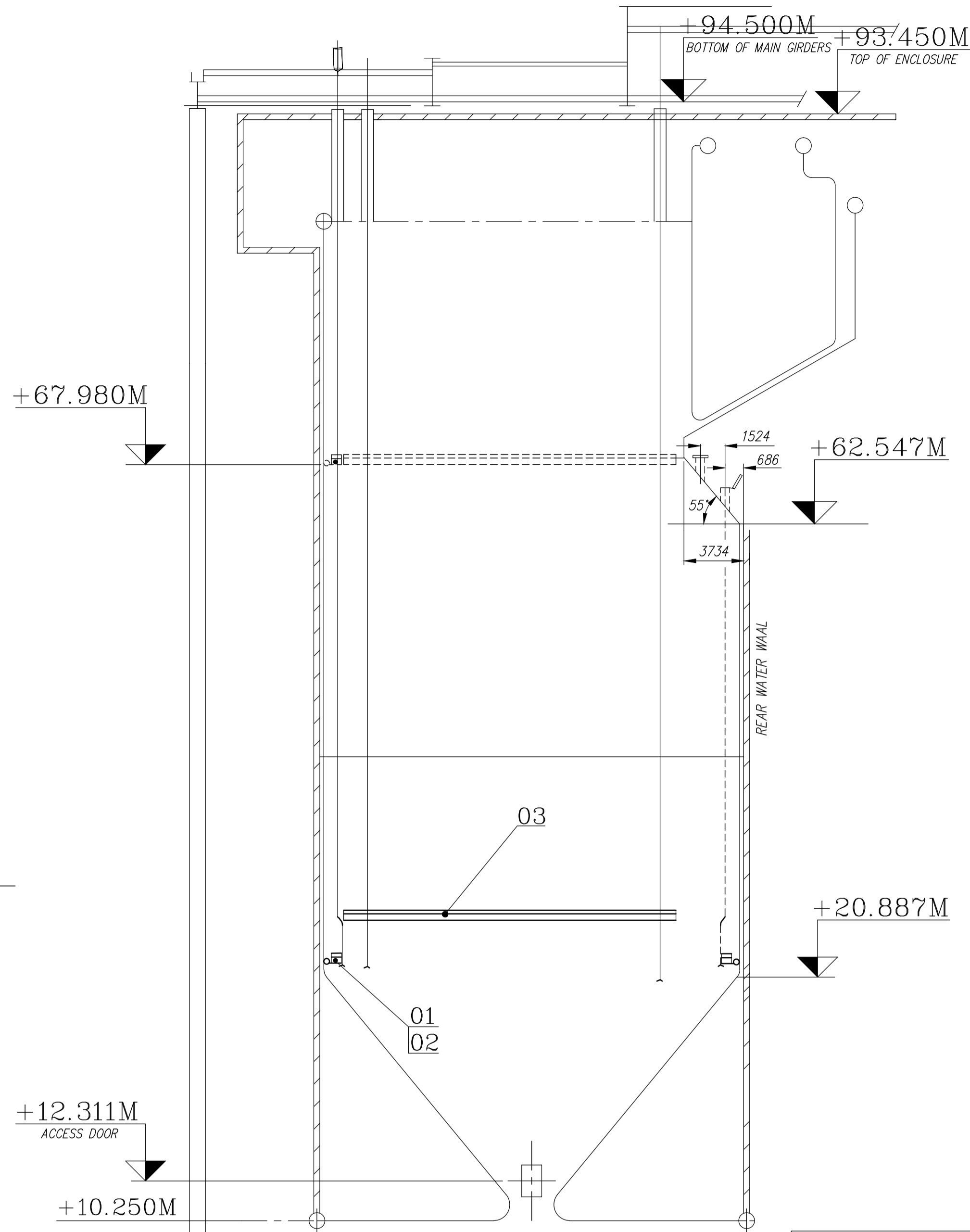
Approved:

*D. Vijayakumar*  
(D. Vijayakumar)

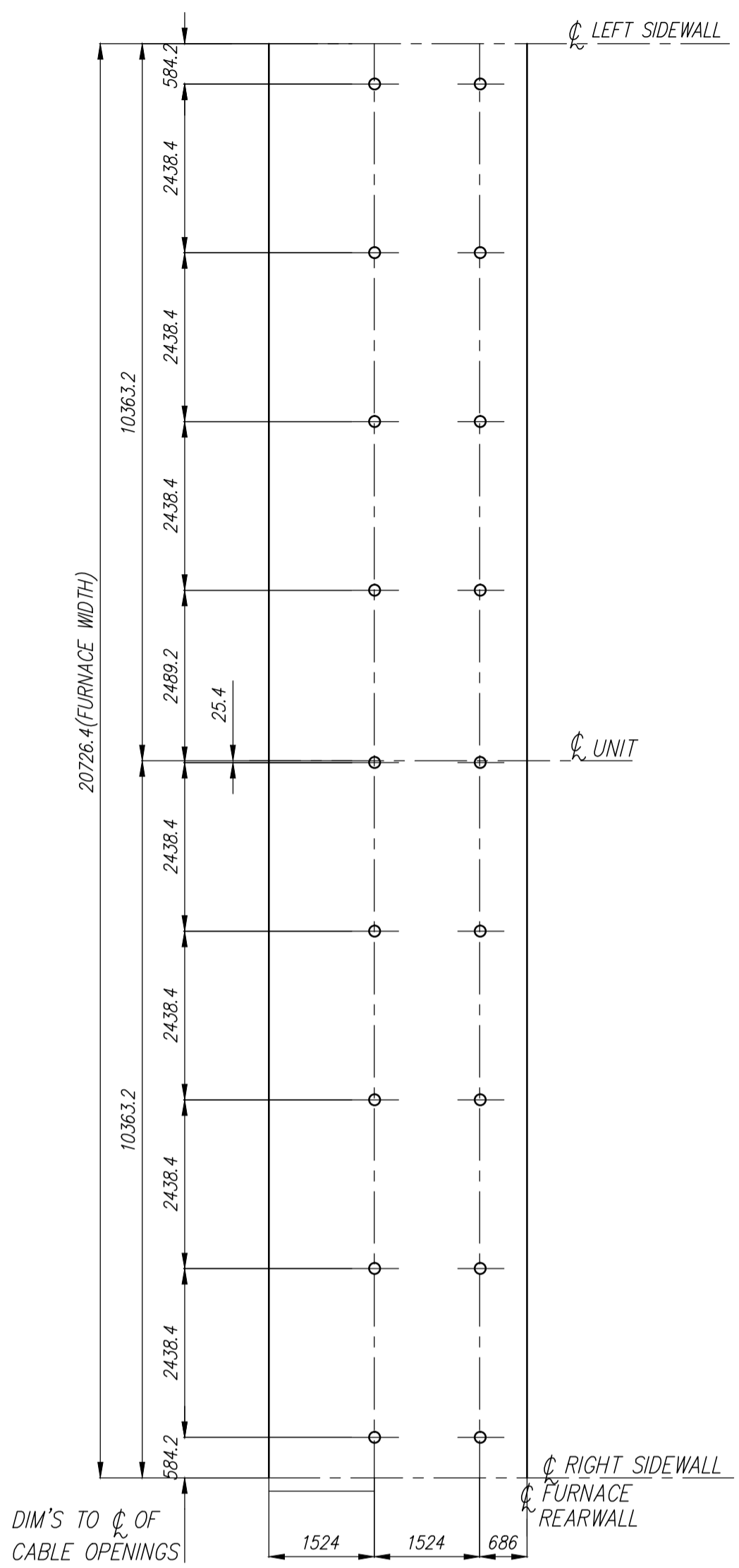
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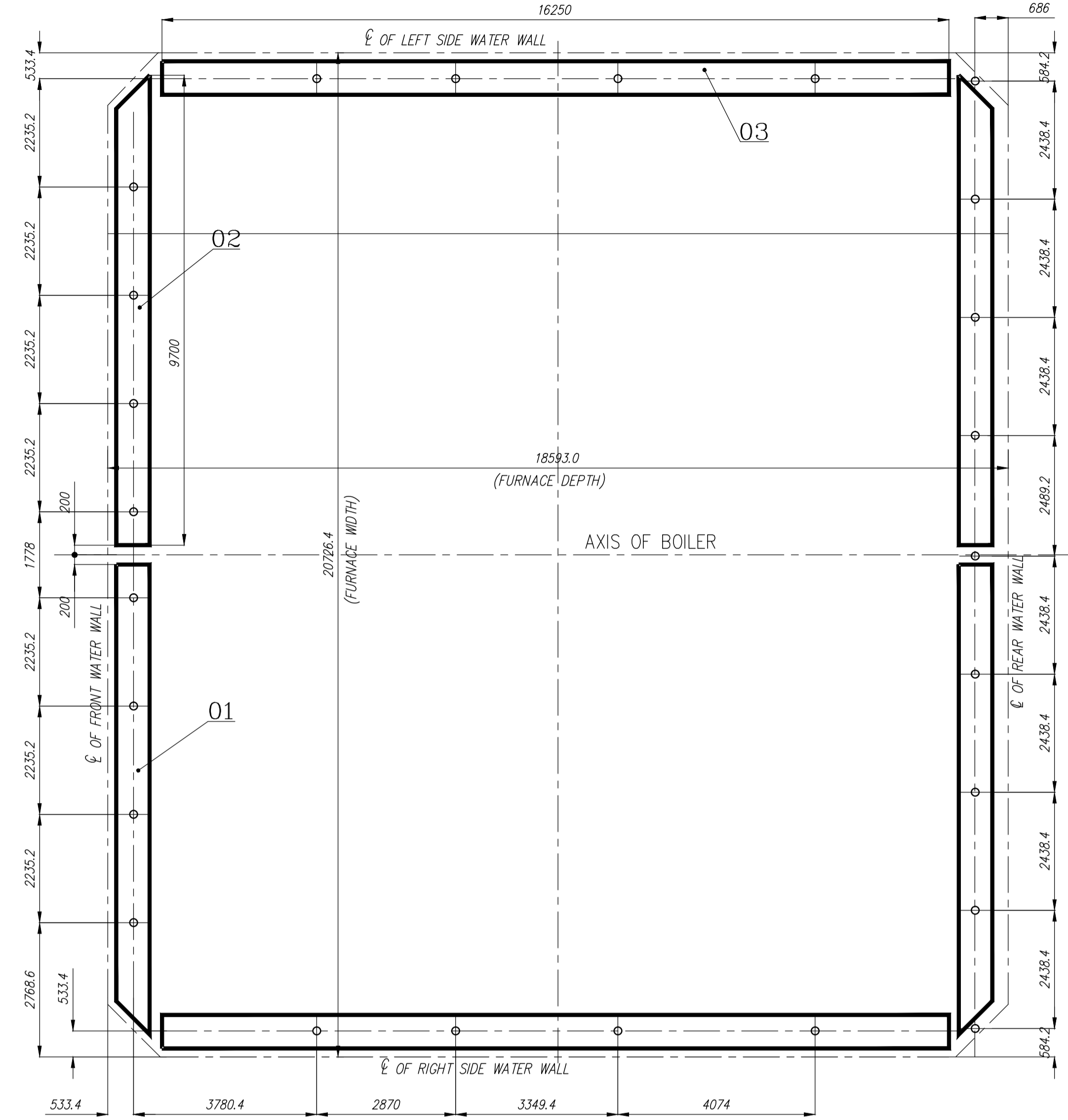
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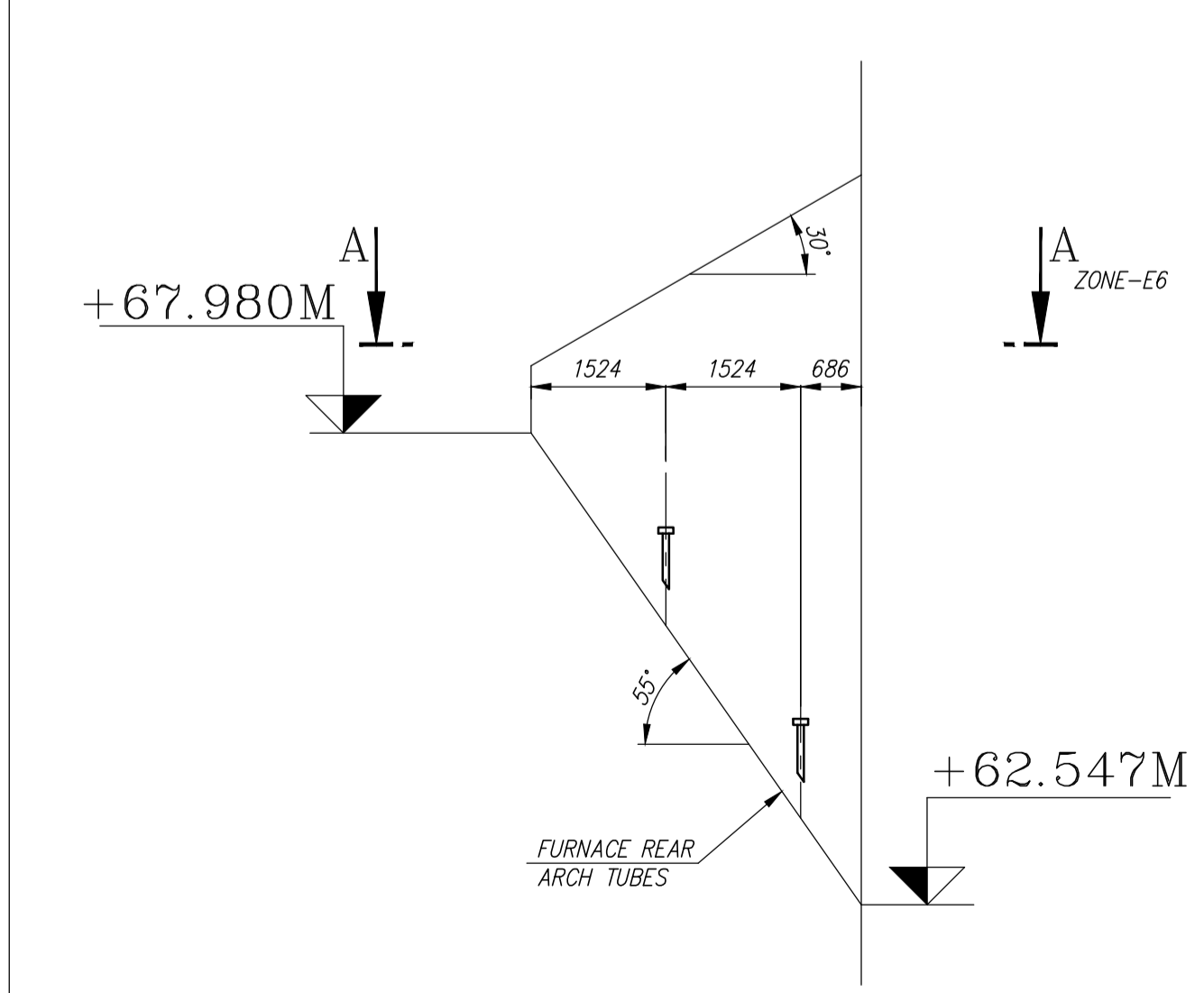
ELEVATION



SECTION-AA  
SCALE 1:75



PLAN  
SCALE 1:75



SIDE ELEVATION DEFLECTION ARCH  
SCALE 1:75

NOTES: -

- REFERENCE DRAWINGS:
    - A. 0-00-022-76347 - GENERAL ARRANGEMENT OF BOILER SECTIONAL SIDE ELEVATION.
    - B. 0-00-022-74350 - GENERAL ARRANGEMENT OF BOILER SECTIONAL PLAN.
    - C. 0-00-027-46717 -PPA - PLAN VIEW "B-B" ROOF TUBES FURNACE
    - D. 0-00-027-46715 -PPA - PLAN VIEW "A-A" HDRS & LINKS (FURNACE)
  - Cable opening with caps and other accessories released under PG-MA 18 - 001.
  - Power Points To Be Provided Suitably at Site, Ratings 6KVA, 440V,50HZ at six points.
  - Elevation (+/-) 0.000M corresponds to RL.271.5m.
- SCOPE OF EQUIPMENT:
- HOIST, TOP LIMIT SWITCH WITH COMMON CONTROL - ELECTRICALLY OPERATED.
  - SUSPENSION SYSTEM - Suitable steel wire rope with suitable length, upto Access Door (Min.100 metres), Secondary wire rope with suitable length (Min.100 metres), Rope clamp, end fittings, "O" shackle and thimbles.
  - PLATFORMS - Split-type platforms - suitable for 610mmx762mm access door with guardrails, suitable stirrups with retainers., Connection blocks & tubes with fasteners. Wall roller assembly with mounting bracket & fasteners.
  - POWER SUPPLY - All electrical items required for safe operation Power supply cable and yokes for suitable length of platforms.
  - SAFETY DEVICES - All safety devices. [A sensing device (Sky lock safety device) that locks the wire as soon as it accelerates beyond a preset speed either gradual or instantaneous shall be provided.] Hoist capacity : 800 kg. Each platform is driven by two hoists in tandem operation There are 12 hoists for the six platforms for one boiler.
- ALL SAFETY FEATURES ARE AS PER EUROPEAN SAFETY REGULATION CODE (EN 1808)

VARIANT NUMBER	ITEM NUMBER	DESCRIPTION	STD	DRAWING NUMBER	ITEM NO	MATERIAL CODE	UNIT	UNIT WEIGHT	QTY	ZONE
03		PLATFORM WITH BOTH ENDS FLAT LENGTH: 16.250 M.					ST	780.000	2	
							ST	585.000	2	
02		PLATFORM WITH 45 DEG. CHAMFER AT LEFT SIDE. LENGTH: 9.700 M.					ST	585.000	2	
							ST	585.000	2	
01		PLATFORM WITH 45 DEG. CHAMFER AT RIGHT SIDE. LENGTH: 9.700 M.					ST	585.000	2	
							ST	585.000	2	

NTPC DRG.NO. 0370-102-01-TR-PVM-B-0768 CUSTOMER NO. : 1715

CUSTOMER: **एन टी सी लिमिटेड**  
**NTPC Limited**  
(A Government of India Enterprise)

PROJECT: **NABINAGAR THERMAL POWER PROJECT**  
( STAGE - 1, 3 X 660 MW - UNIT - I, II & III)  
STEAM GENERATOR PACKAGE

**BHARAT HEAVY ELECTRICALS LIMITED,**  
HIGH PRESSURE BOILER PLANT; TIRUCHIRAPALLI-620014

NAME	SIGNATURE	DATE	TITLE
DRN R S YADAV	---	15.06.2015	
CHD D.Vijaykumar	---	15.06.2015	
APPD D.Vijaykumar	---	15.06.2015	

ALL DIMENSIONS IN MILLIMETRE

PROJECTION: SCALE: 1:75

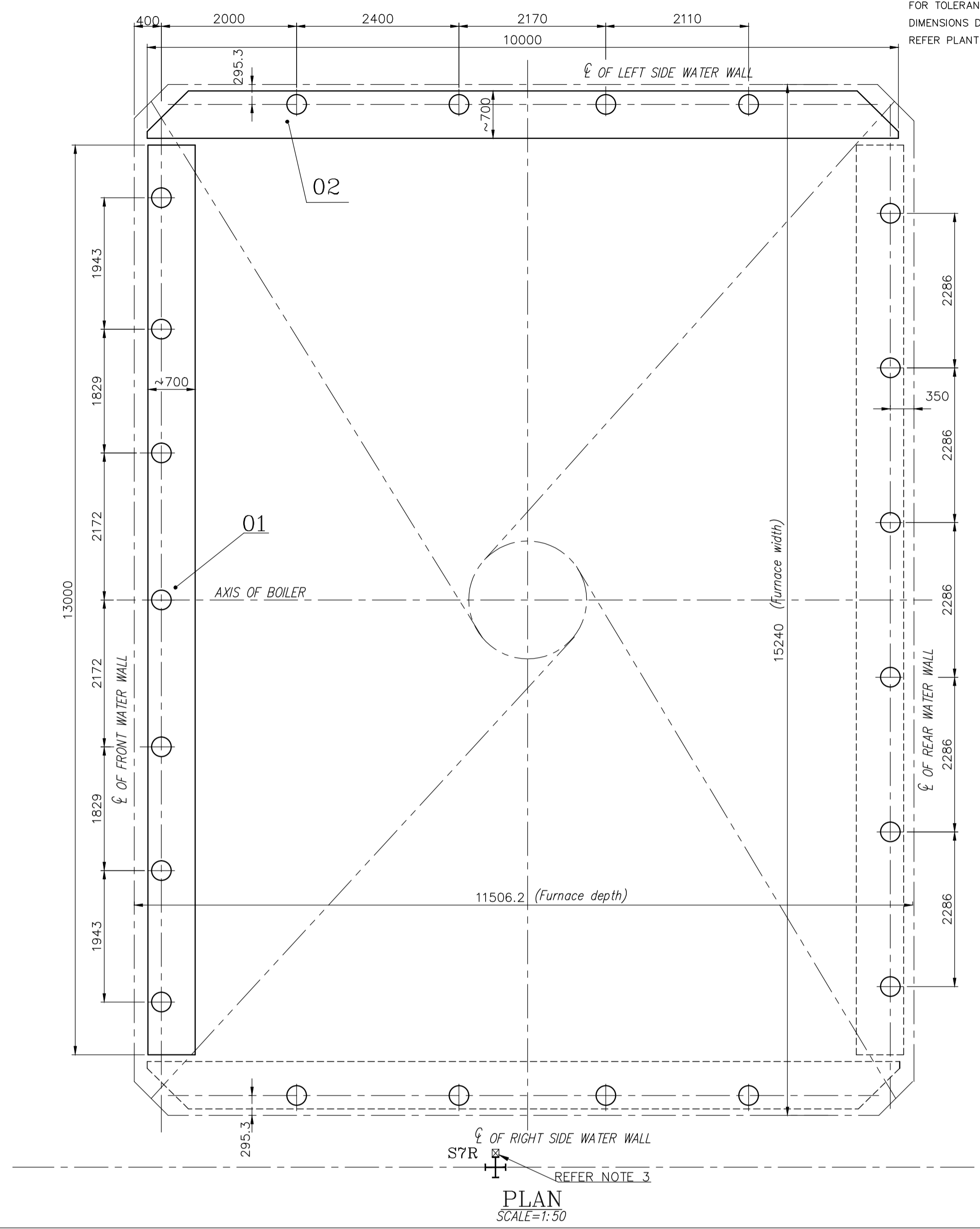
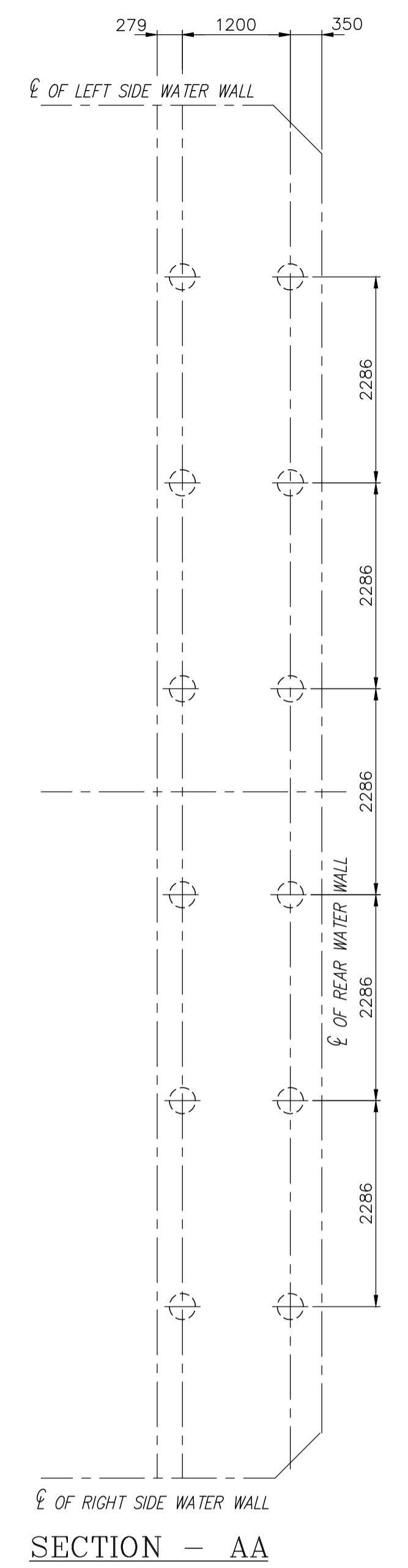
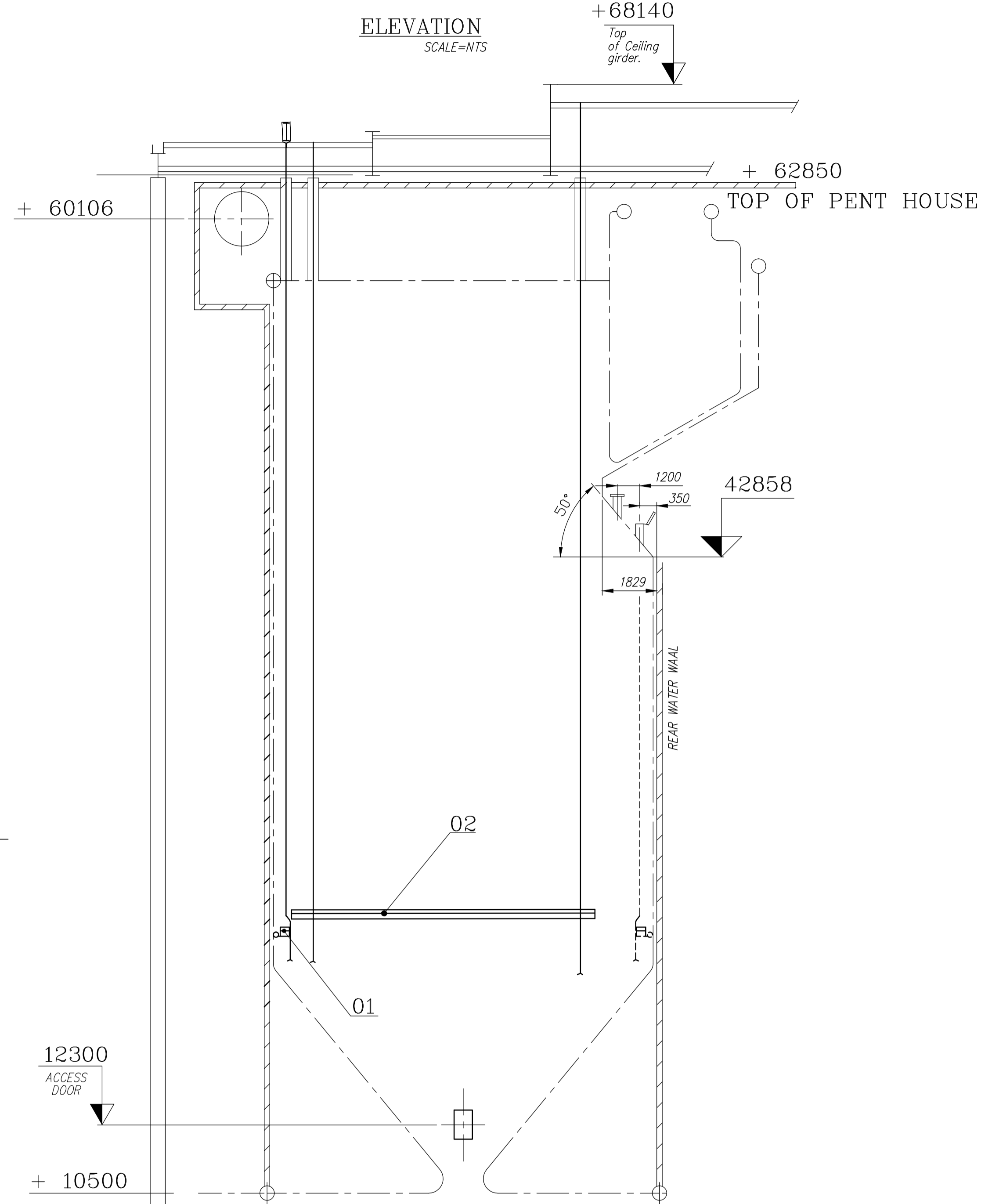
DRG.NO. 1-99-514-40834 REV 00

CAUTION: THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DEPREMIANTAL TO THE INTEREST OF THE COMPANY.



1-99-512-40837  
DRAWING NO.

FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER PLANT STD. NO TP 023 0299



VARIANT NUMBER	ITEM NUMBER	DESCRIPTION	STD	DRAWING NUMBER	ITEM NO	MATERIAL CODE	A/C/P	UNIT	UNIT WEIGHT	QS	ZONE
02		PLATFORM WITH 45 DEG. CHAMFER AT BOTH ENDS LENGTH : 10,000 MTRS.						ST	475.000	1	
								SUB-DELY			
01		PLATFORM WITH BOTH ENDS FLAT LENGTH : 13,000 MTRS.						ST	625.000	1	
								SUB-DELY			

**NOTES:-**

- REFERENCE DRAWINGS :
  - 0-00-022-76763 - GENERAL ARRANGEMENT OF BOILER SEC. SIDE ELEVATION.
  - 0-00-027-34071 - PPA-UPPER SECTIONAL SIDE ELEVATION - 1 PASS
  - 0-00-027-34076 - PPA-PLAN OVER ROOF TUBES (SECTION CC - C1C1)
  - 0-00-027-34080 - PPA - ASSY. OF REAR ARCH. SCREEN & HANGER TUBES.
- Cable opening with caps and other accessories released under PG-MA 18 - 001.
- Power Points To Be Provided At Column S7R At EL- 10500, 6KVA, 440V,50HZ at two points.

**SCOPE OF EQUIPMENT.**

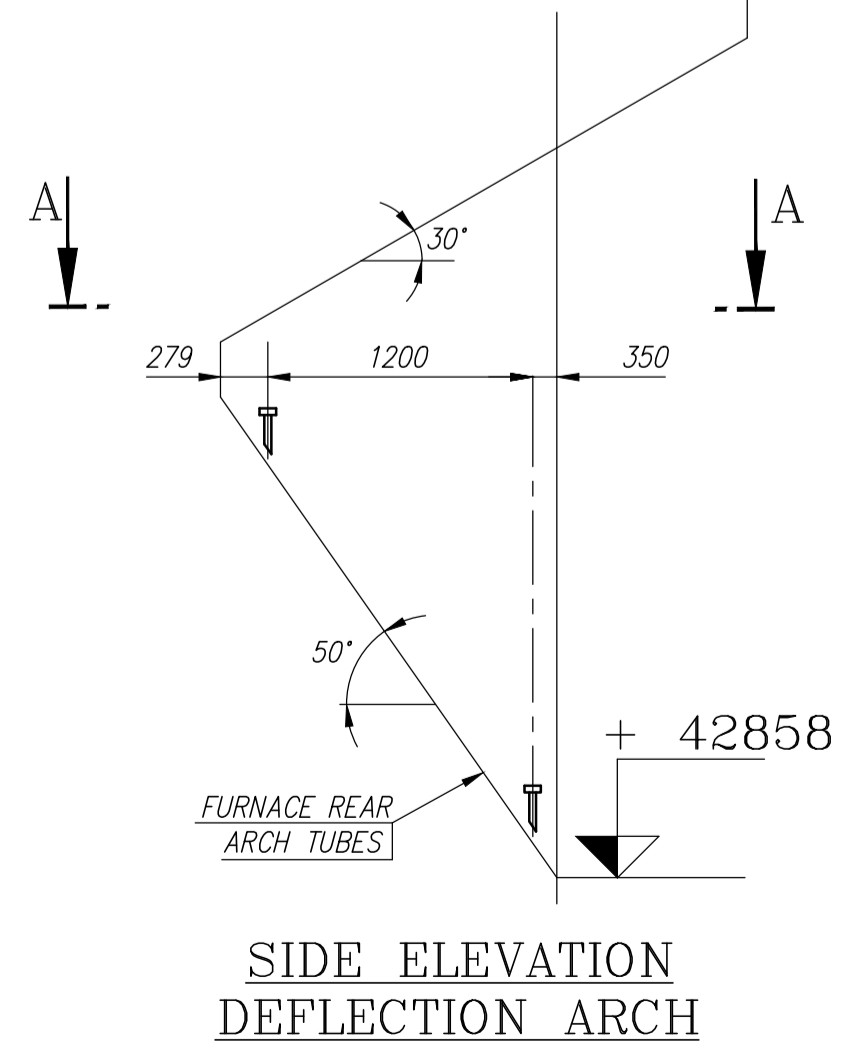
HOIST, TOP LIMIT SWITCH WITH COMMON CONTROL - ELECTRICALLY OPERATED.

SUSPENSION SYSTEM - Suitable steel wire rope with suitable length upto S-panel (Min.68M), Secondary wire rope with suitable length, Rope clamp, end fittings, "D" shackle and thimbles.

PLATFORMS - Split-type platforms - suitable for 610x762mm access door with guardrails, suitable stirrups with retainers, Connection blocks & tubes with fasteners, Wall roller assembly with mounting bracket & fasteners.

POWER SUPPLY - All electrical items required for safe operation Power supply cable and yokes for suitable length of platforms.

SAFETY DEVICES - All safety devices. [A sensing device (Sky lock safety device) that locks the wire as soon as it accelerates beyond a preset speed either gradual or instantaneous shall be provided.] Hoist capacity : 800 kg. Each platform is driven by two hoists in tandem operation There are 4 hoists for the two platforms. (Total 1 set of FMP for 4 Boilers)



CUSTOMER NO. 1254

CUSTOMER: TELANGANA STATE POWER GENERATION CO. LTD.

CONSULTANT: DESIGN PRIVATE LIMITED.

PROJECT: BHADRADRI TPS, UNITS #1 TO 4(4X270MW) MANUGURU, KHAMMAM DISTRICT.

BHARAT HEAVY ELECTRICALS LIMITED., BOILER PLANT UNIT, TIRUCHIRAPALLI-INDIA-620 014

355-029

NAME	SIGNATURE	DATE	TITLE
DRAWN: R S YADAV	Sd..	18.06.2015	FURNACE MAINTENANCE PLATFORM (2-WALL COVERAGE)
CHECKED: D.Vijayakumar	Sd..	18.06.2015	
APPROVED: D.Vijayakumar	Sd..	18.06.2015	

ALL DIMENSIONS IN MILLIMETRE

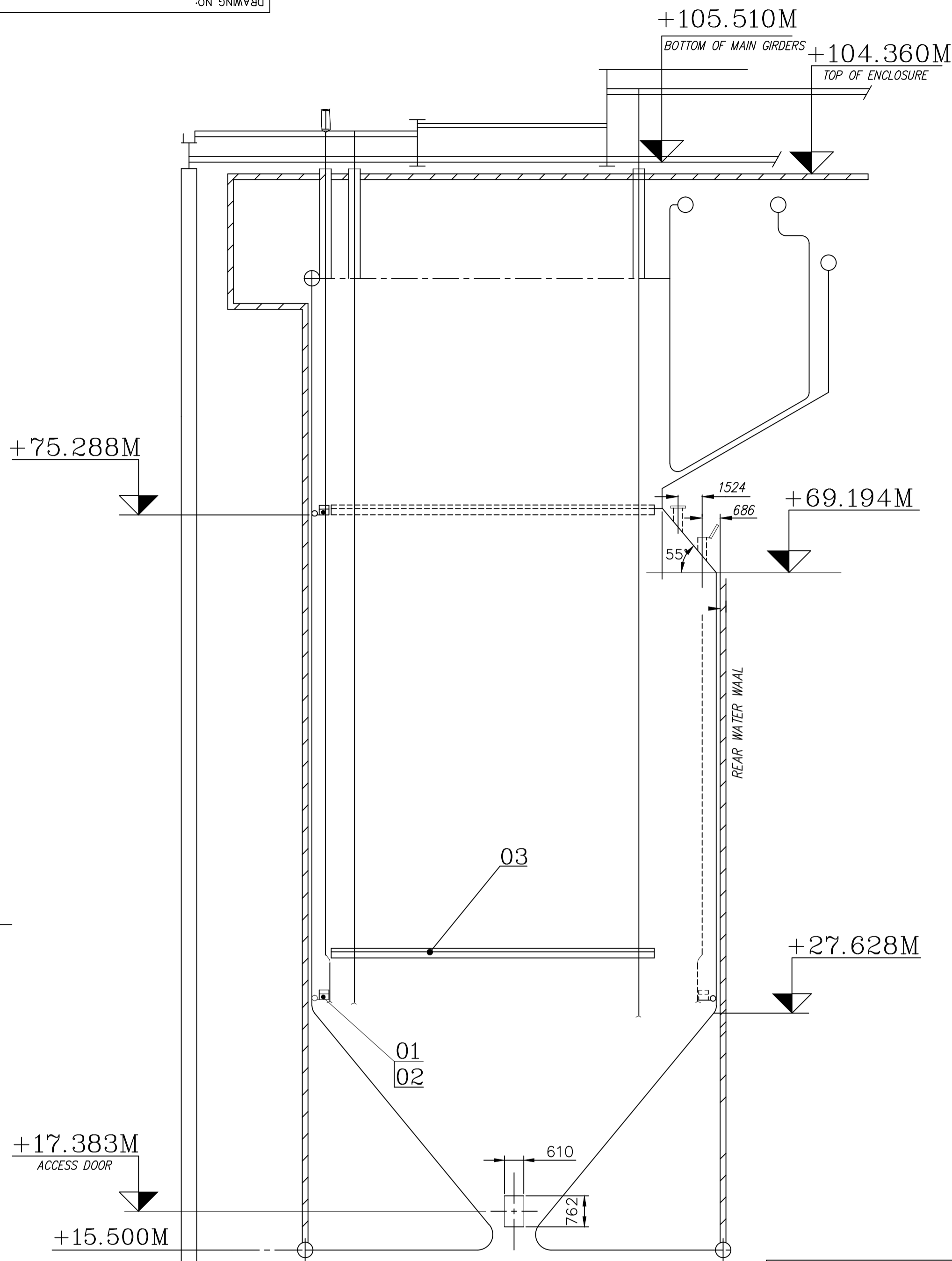
SCALE: 1:50, NTS

DRG. NO. 1-99-512-40837

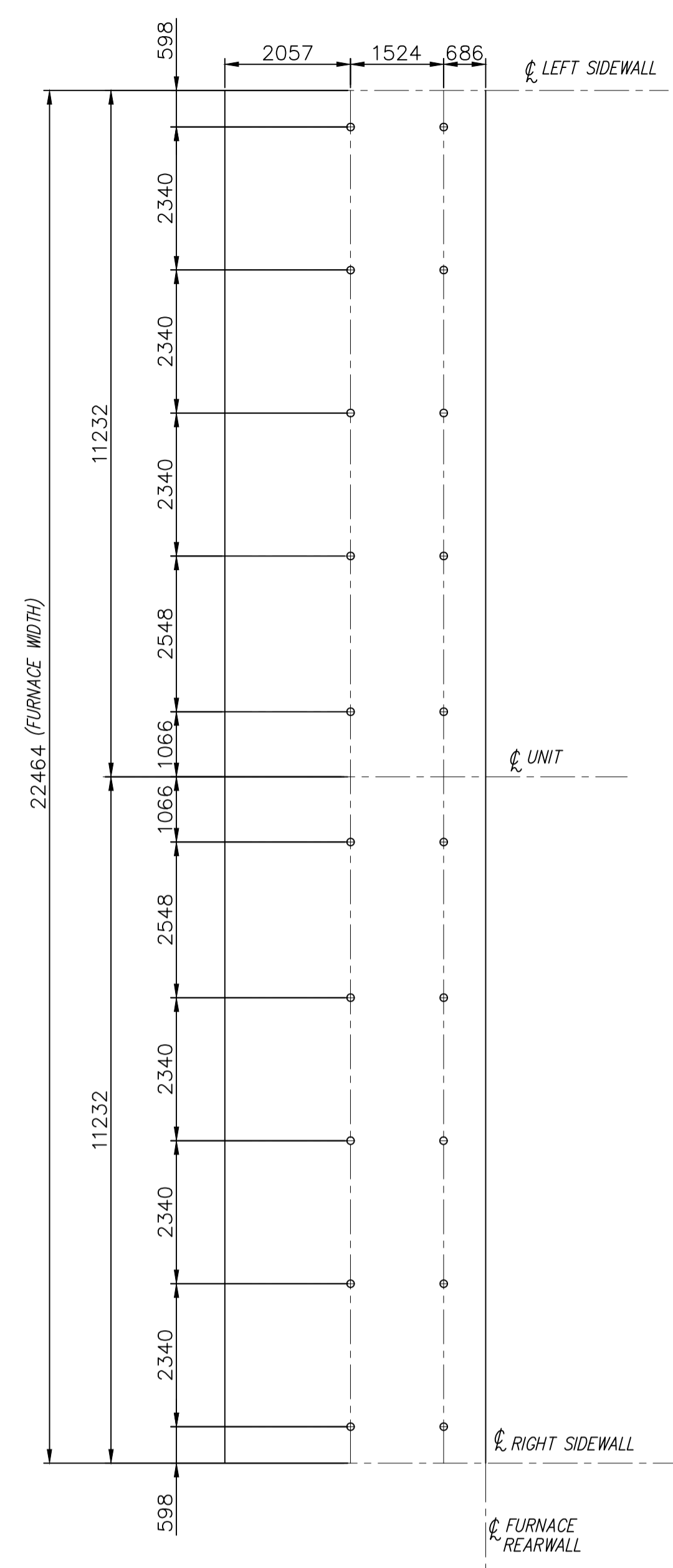
REV. 00

1-99-514-40833  
DRAWING NO.

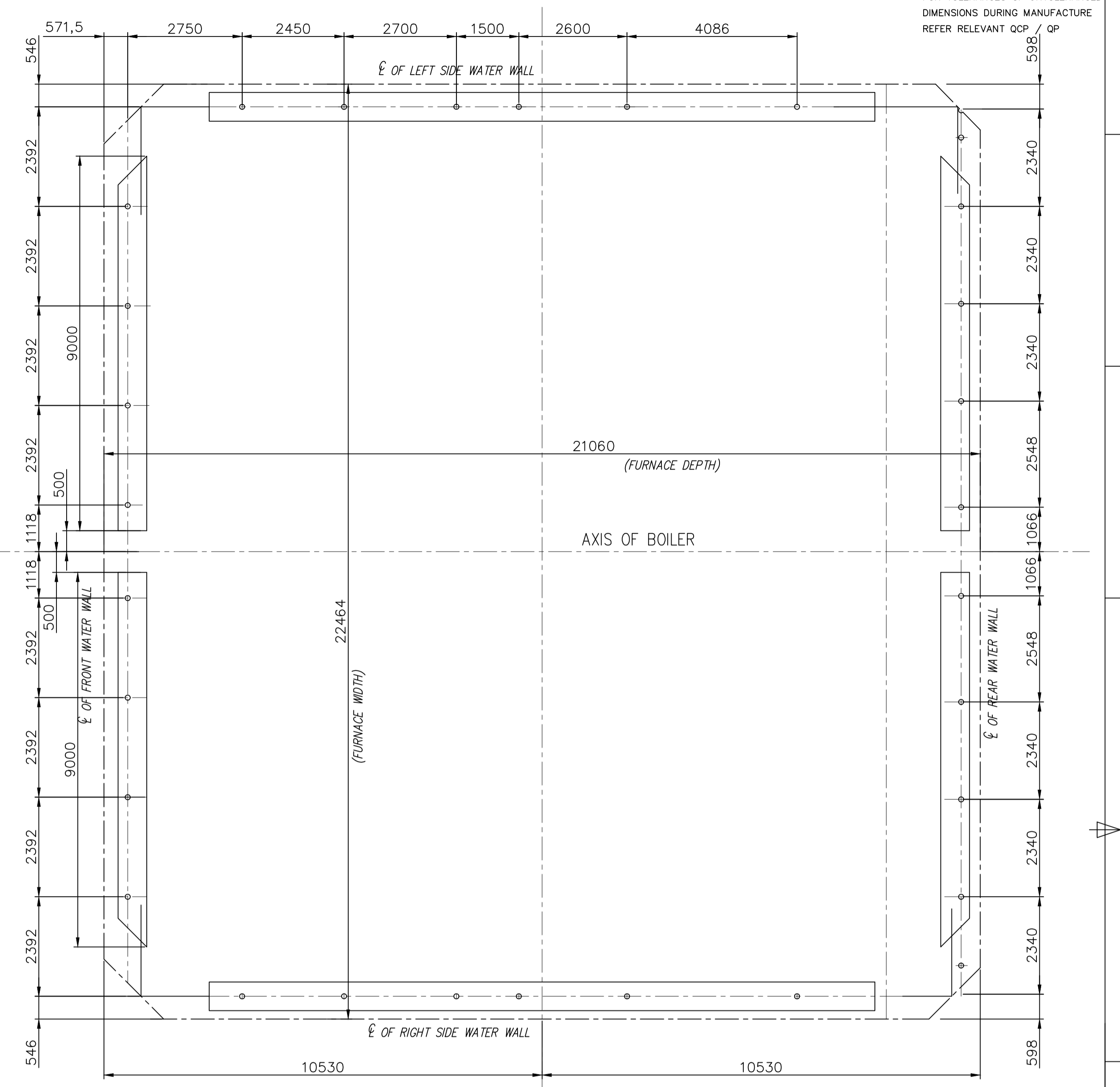
ALL DIMENSIONS ARE IN MM  
FOR TOLERANCES OF UNTOLERANCED  
DIMENSIONS DURING MANUFACTURE  
REFER RELEVANT DCP / QP



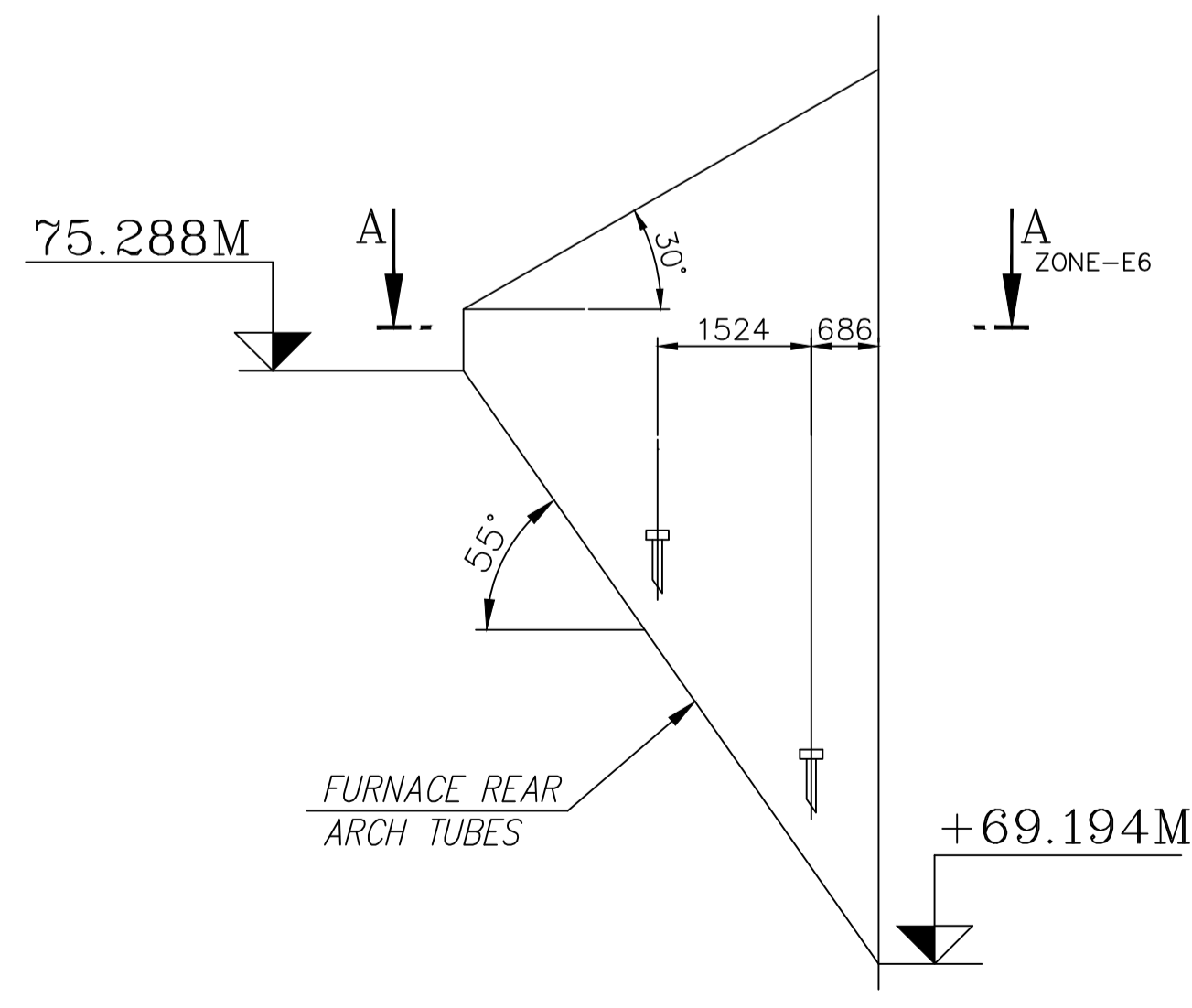
ELEVATION



SECTION-AA



PLAN



SIDE ELEVATION DEFLECTION ARCH

NOTES:-

- REFERENCE DRAWINGS:
  - A. 0-00-022-76411 - GENERAL ARRANGEMENT OF BOILER SECTIONAL SIDE ELEVATION
  - B. 0-00-022-76412 - GENERAL ARRANGEMENT OF BOILER SECTIONAL PLAN
  - C. 0-00-027-46834 - PPA - PLAN VIEW "B-B" ROOF TUBES FURNACE
  - D. 0-00-027-46832 - PPA - PLAN VIEW "A-A" HDRS & LINKS (FURNACE)
  - E. 0-00-027-46836 - PPA - PLAN VIEW "D-D" FURNACE REAR ARCH TUBES.
- Cable opening with caps and other accessories released under PG-MA 18 - 001.

SCOPE OF EQUIPMENT:

- HOIST (TOP LIMIT SWITCH WITH COMMON CONTROL) - ELECTRICALLY OPERATED.
- SUSPENSION SYSTEM - Suitable steel wire rope with suitable length, upto Access Door (Min.100 metres).  
Secondary wire rope with suitable length (Min.100 metres).  
Rope clamp, end fittings, "D" shackle and thimbles.
- PLATFORMS - Split-type platforms - suitable for 610mmx762mm access door with guardrails, suitable stirrups with retainers.  
Connection blocks & tubes with fasteners.  
Wall roller assembly with mounting bracket & fasteners.
- ROPE CLIMBING MACHINE: ELECTRIC OPERATED.
- POWER SUPPLY - All electrical items required for safe operation.  
Power supply cable and yokes for suitable length.  
Power supply required rating: 6KW, 415V AC, 50Hz, at 6 points.
- SAFETY DEVICES - All safety devices.  
[A sensing device (Sky lock safety device) that locks the wire as soon as it accelerates beyond a preset speed either gradual or instantaneous shall be provided.]  
Hoist capacity : 800 kg.  
Each platform is driven by two hoists in tandem operation  
There are 12 hoists for the six platforms for one boiler.

VARIANT NUMBER	ITEM NUMBER	DESCRIPTION	STD	DRAWING NUMBER	ITEM NO	MATERIAL CODE	UNIT WEIGHT	QUANTITY	ZONE
03		PLATFORM WITH BOTH ENDS FLAT					900.000		
		LENGTH- 16.000 M.					L	2	
		PLATFORM WITH 45 DEG. CHAMFER AT LEFT SIDE.					600.000		
		LENGTH- 9.000 M.					L	2	
		PLATFORM WITH 45 DEG. CHAMFER AT RIGHT SIDE.					600.000		
		LENGTH- 9.000 M.					L	2	

NTPC DRG.NO. 9572-102-PVM-B-086		CUSTOMER No. : 1804	
CUSTOMER <b>एन टी सी लिमिटेड</b> <b>NTPC Limited</b> (A Government of India Enterprise)			
PROJECT GADARWARA SUPER THERMAL POWER PROJECT STAGE-I (2 x 800mw) STEAM GENERATOR PACKAGE			
BHARAT HEAVY ELECTRICALS LIMITED, HIGH PRESSURE BOILER PLANT, TIRUCHIRAPALLI-620014			
NAME: DRN R S YADAV SIGNATURE: ---sd--- DATE: 13.06.2015		TITLE: FURNACE MAINTENANCE PLATFORM (4 WALL COVERAGE)	
NAME: CHD D.Vijaykumar SIGNATURE: ---sd--- DATE: 13.06.2015		TITLE:	
NAME: APPD D.Vijaykumar SIGNATURE: ---sd--- DATE: 13.06.2015		TITLE:	
ALL DIMENSIONS IN MILLIMETRE PROJECTION:		DRG.NO. 1-99-514-40833 REV 01	

As per NTPC's comment vide CC:PE102:14928  
Dt.01-07-2015, Electrical power rating indicated

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