



## South Aluminum Corporation (SALCO)

### Bid Invitation

**Date:** August 27, 2025

**No.:** SAL/LINING/1/AUGUST/2025

**Subject:** Procurement of Carbon Blocks, Graphite Blocks, Graphite Powder and Steel Bar Window (Collector Bar Window Brick)

**South Aluminum Corporation hereby invites you to bid for supply of following products based on the below terms and conditions:**

#### **Description of Goods and Quantity:**

- Graphite Side Block N1: 250 Pcs
- Graphite Side Block N2: 250 Pcs
- Graphite Side Block N3: 250 Pcs
- Short Side Carbon Block N1: 800 Pcs
- Long Side Carbon Block N1: 5,000 Pcs
- Steel Bar Window (Collector Bar Window Brick): 12,000 Pcs
- Graphite Powder: 10 MT ( $\pm 5\%$ )

**Delivery term:** CFR Bandar Abbas port, Iran (As per Incoterms 2010).

#### **Delivery time:**

- All **Carbon Blocks, Graphite Blocks and Steel Bar Windows** should be shipped maximum by the **mid-November**.
- **Graphite Powder** should be shipped maximum by the **mid-October**.

**Note 1:** Shipping date should be specified and will be one of the indexes to choose winner.

**Origin:** Any country from which Tenderers / Suppliers can supply lining materials according to the specifications mentioned in the Annex II of this tender documents.

**Payment term:** Barter with Aluminum Ingot (P1015, P1020 or P610, P0507 grade in 50 or 1000 lb type according to SALCO's level of inventory) in which SALCO can start delivery 3 working days after receiving surrendered BL under the name of SALCO and also original CI, PL and CO just in case cargo has been discharged in port of destination and total Aluminum Ingots can be delivered during at least 1 month after arrival of the cargo to the port of destination as following:

- **Aluminum Ingots Delivery Term:** FCA Lamerd, Special Economic Zone, Fars Province, Iran.
- **Aluminum Ingot Unit Price:** LME Official Cash Settlement Price (USD) plus 40 USD as premium per each MT (In case of delivering Aluminum Ingot with higher grade (P0610, P0507), 45 USD per MT will be added to the flat price of Aluminum Ingot).
- **Quotation Period (QP) of Aluminum Ingot:** The average of LME Official Aluminum Cash Settlement price plus 40 USD as premium or plus 45 USD (for P610 or P0507) as premium which the said QP is 5 days (LME Price included days) after the date of bill of lading of the first truck (loaded with Aluminum Ingot from Lamerd Special Economic Zone) for each Aluminum Ingot sales order of SALCO (Havaleh).

**Note 2:** In case there would be chance for cash payment SALCO can pay in cash but the priority will be barter method. Suggested offer by bidders shall be based on barter method.

- **Cash payment:** If SALCO choose cash payment method, SALCO will pay to nominated bank account by Tenderer in case the money can be transferred to that bank account through Iranian bank channel. Otherwise Tenderer should provide another account. Cash payment will start 30 working days after the original BL or telex release of BL under the name of SALCO after arrival and discharge of cargo to the port of destination.

#### **Other Conditions:**

**Note 3:** for further information on submitting an offer, please study Annex I & II.

Annex I. General Tender Information.

Annex II. Packaging, Specifications and Technical Map of Carbon Blocks, Graphite Blocks, Steel Bar Windows and Graphite Powder.

**Note 4:** Interested bidders may obtain further information either by contacting the following email address or by phone at the following number:

Email: [Mirzanezhad@salcocomplex.com](mailto:Mirzanezhad@salcocomplex.com)

Tel: +98 21 5374 5321

## **ANNEX I: General Tender Information**

**Validity:** Your offer should be valid at least for 40 days after COB of the tender .

**Deadline:** Your offer should reach to SALCO's Raw Material Purchasing Department at: No.35, 13th St., Seyyed Jamalluddin Asadabadi Ave, Tehran-Iran, Postal code: 1433673981, in a sealed Envelope **no later than COB of September 07, 2025 (All received offers by email or fax will not be considered)**. This tender will not be extended except in special cases with the discretion of SALCO.

**Note 5:** All closed envelopes should be addressed by below information:

1. Name of Supplier
2. Number of Tender
3. Stamp of Company
4. Specify Envelop A and B

**Currency:** The requested currency is USD.

**Offer Terms:** Your offer should consist of following information (Signed and Stamped in a sealed envelope):

### **Envelope "A":**

Envelope A should show relevant expertise, capability and knowledge in the supply of lining materials Internationally and complete information of Supplier (the relevant reference list and Catalogue of Supplier/manufacturer should be attached to your offer) as well as the precise specification of lining materials. **Please note that in case company CV is not accepted by SALCO, envelope B will not get opened.**

**Note 6:** SALCO has right to ask for all detailed information and contact information of manufacturer and in case the bidder denies to share the information, SALCO has right to eliminate bidder from tender.

### **Envelope "B" should include:**

- All pages of this tender document. Tenderers should print out all pages of this tender document and put them in Envelope B, signed and stamped. If this will not done by Tenderer, the envelopes will be considered as non-effective documents by SALCO.
- Tenderer should print out the technical spec of Annex II in both envelope A and envelope B signed and stamped. If this will not done by Tenderer, the envelopes will be considered as non-effective documents by SALCO.

**Additional Information:**

**Note 7:** Note that the inspection will be conducted at the port of loading before shipment or in the factory (in origin country) by SALCO's decision and the Tenderer must give possibility for SALCO's nominated inspector to make inspection inside factory as well as port of loading. Also SALCO's inspector should have right to take sample from manufacturer's production line to assess the product's quality. Pre-shipment inspection will be done by SALCO's nominated inspector and Supplier should make full cooperation with the SALCO's nominated inspector.

Then after getting confirmation on the mentioned inspection document from SALCO, the shipment will be allowed. Also, SALCO will carry out another inspection at the port of destination by the third-party inspection company. The reference to accept the cargo is the approval of Q&C Department of SALCO according to the inspection which is conducted in port of destination and if the quality doesn't match spec in Annex II, SALCO can reject the cargo (Note 17) and the whole guarantee of contract will be seized and also demurrage and any other related costs and damages must be paid by Tenderers/ Suppliers.

**Note 8:** In case a company wins the tender and refuses or fails to act according to its proposed offer and contractual obligations, the Tenderer will not be allowed to participate in all future tenders and SALCO will be entitled to remove that Tenderer from SALCO's Approved Vendor List and is also entitled to claim the related losses occurred by the said winner/Supplier (like price increase which affects SALCO's supply chain for the occurred delay).

**Note 9:** This invitation for a tender does not bind SALCO to purchase of such goods. SALCO reserves the right to cancel the above tender without assign any reasons and without any intimation from the bidders.

**Note 10:** All tender bids must be submitted in person to SALCO's Row Materials Purchasing Department in a closed and sealed envelope at the following address. Bidders shall get a delivery receipt from mentioned department for delivery of envelopes. Bids received through email or fax shall not be considered.

**Address:** No. 35, 13<sup>th</sup> St., Seyyed Jamalluddin Asadabadi Av., Tehran-Iran.

**Note 11:** SALCO is permitted to set Quantity between the top offers. Number of accepted offers will be decided by SALCO.

**Note 12:** Participation in this tender constitutes acceptance of all above-mentioned terms and conditions.

**Note 13:** If the winner of the tender does not sign the contract or resist to accept contract terms and conditions within 14 days after official winner announcement email from SALCO side, SALCO has the right to disqualify that company and remove that Tenderer from SALCO's Approved Vendor List and cancel the deal which will lead to supply through another company.

**Note 14:** The documents of participation in the tender will be destroyed after 30 days from the opening of the envelopes.

**Table No.1:**

Items	Quantity	UOM	Unit Price (USD/UOM)	Total Price (USD)	Delivery Time (Months)
Graphite Side Block N1		Pcs			
Graphite Side Block N2		Pcs			
Graphite Side Block N3		Pcs			
Short Side Carbon Block N1		Pcs			
Long Side Carbon Block N1		Pcs			
Steel Bar window		Pcs			
Graphite Powder		MT			
Total Price (USD)					

## ANNEX II: Packaging, Specifications and Technical Map of Carbon Blocks, Graphite Blocks, Steel Bar Windows and Graphite Powder

**Carbone Blocks and Graphite Blocks:** Every 20 Pcs on the pallets which should be shrink wrapped inside container.

**Steel Bar Windows:** Every 210 Pcs inside a box on the pallets which should be shrink wrapped inside container.

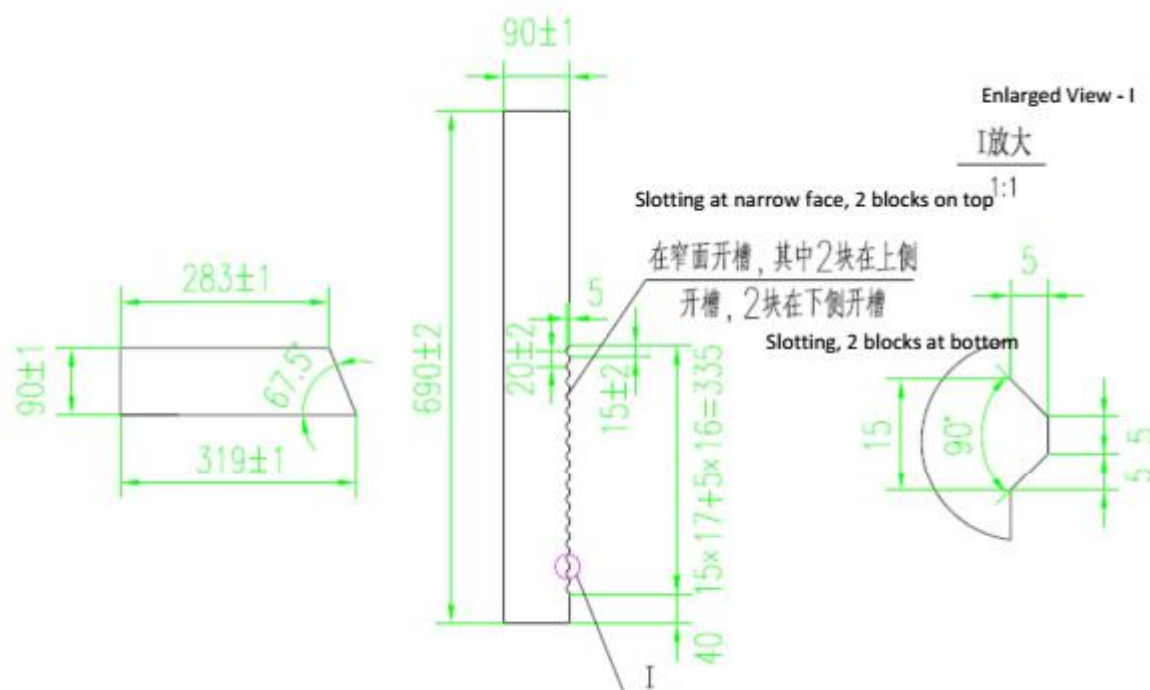
**Graphite Powder:** Shall be packaged in individual water-resistant bags (20 KG) inside container.

**Note 15:** Packing method should be suitable for ocean transportation and should be delivered free of moisture.

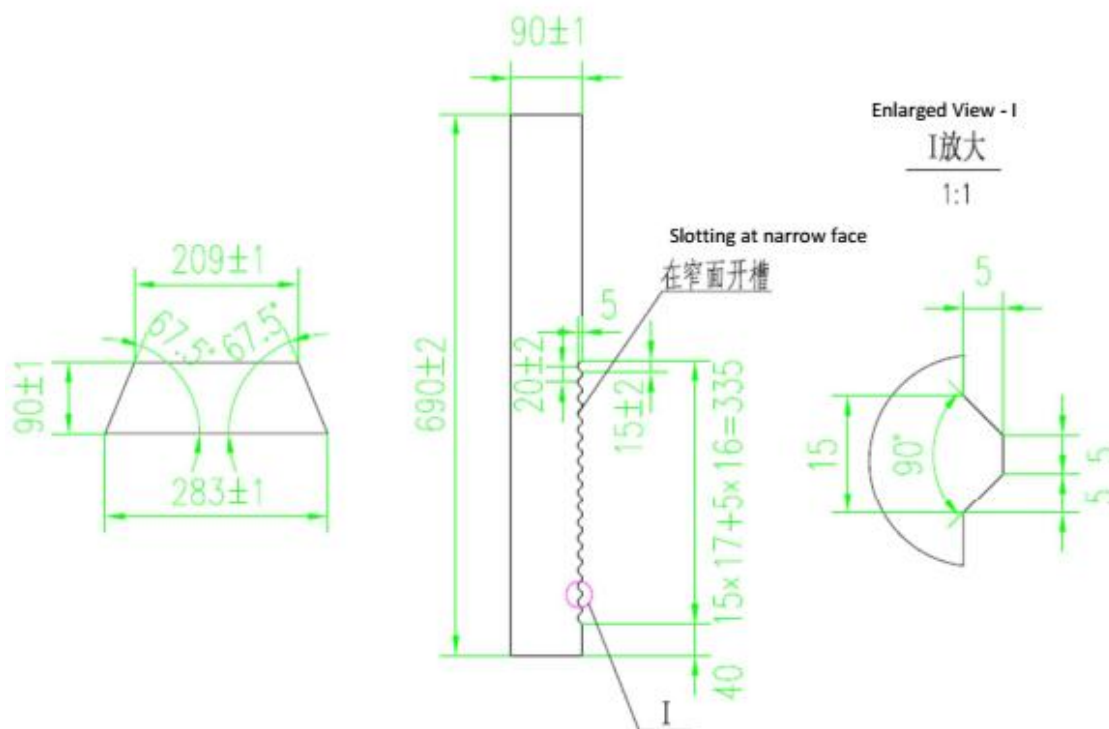
**Note 16:** SALCO will not accept any broken or damaged Carbone Blocks, Graphite Blocks and Steel Bar windows and also any torn and damaged bags of Graphite Powder after opening the sealed containers in the SALCO's factory and damaged cargo will be rejected.

**Note 17:** Due to SALCO's location inside Special Economic Zone (LAMERD), in case the cargo get rejected inside the factory after opening sealed containers (the torn, damaged or broken items), none of these items will be sent back to seller, but the value of the rejected items will be deducted from the payment amount.

Corner Carbon Block			
Property		Unit	Value
Bulk density		g/cm <sup>3</sup>	≥1.56
True density		g/cm <sup>3</sup>	≥1.91
Compressive strength		Mpa	≥32
Ash content		%	<8
Thermal expansion coefficient ×10 <sup>-6</sup> /°C(300°C)			≤4.2
Na expansion rate		%	≤1.0
Dimensional tolerance	Length	mm	±2.0
	Width	mm	±1.0
	Thickness	mm	±1.0
<b>Note:</b> 1- standard and grade: YS/T 623-2012, GS-C. 2- Inland road transportation: Transport by flatbed trailer with hinged side frame and weather protection. Blocks to be shrink wrapped on pallet. 3- To be supplied in pallets of 20 4- Sea transportation : Containerized blocks on pallet.			



Corner Carbon Block			
Property		Unit	Value
Bulk density		g/cm <sup>3</sup>	≥1.56
True density		g/cm <sup>3</sup>	≥1.91
Compressive strength		Mpa	≥32
Ash content		%	<8
Thermal expansion coefficient ×10 <sup>-6</sup> /°C(300°C)			≤4.2
Na expansion rate		%	≤1.0
Dimensional tolerance	Length	mm	±2.0
	Width	mm	±1.0
	Thickness	mm	±1.0
<b>Note:</b> <ol style="list-style-type: none"> <li>1- standard and grade: YS/T 623-2012, GS-C.</li> <li>2- Inland road transportation: Transport by flatbed trailer with hinged side frame and weather protection. Blocks to be shrink wrapped on pallet.</li> <li>3- To be supplied in pallets of 20.</li> <li>4- Sea transportation : Containerized blocks on pallet.</li> </ol>			



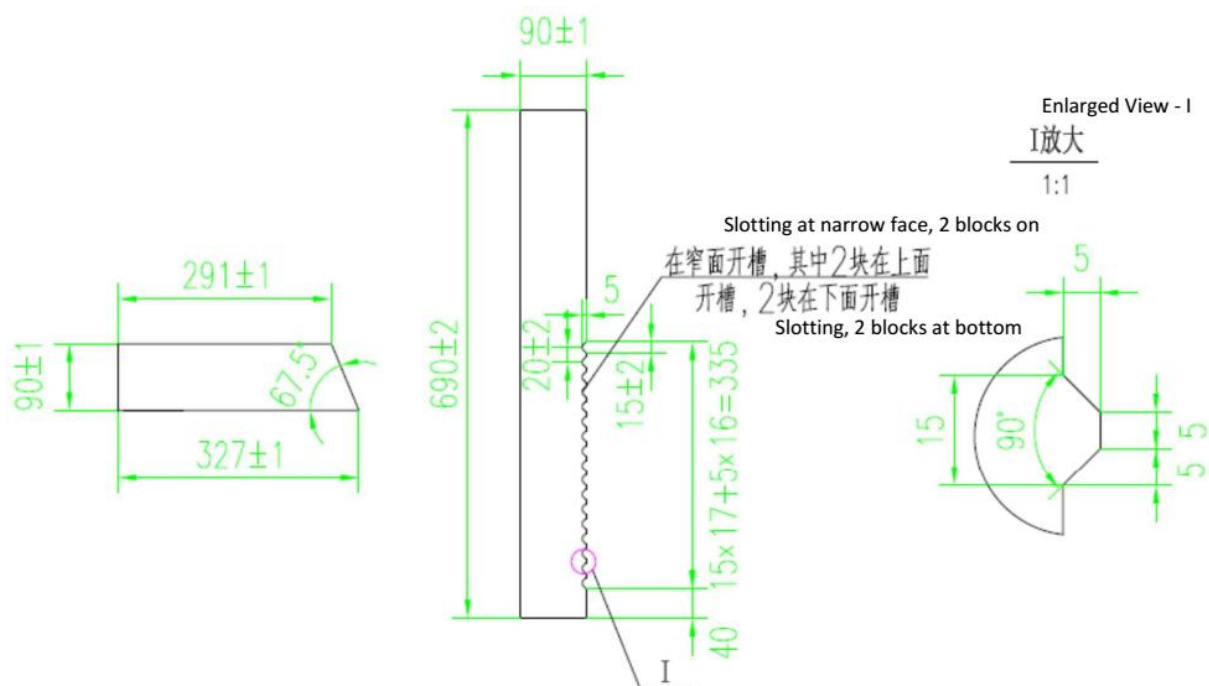
### Corner Carbon Block

Corner Carbon Block			
Property		Unit	Value
Bulk density		g/cm <sup>3</sup>	≥1.56
True density		g/cm <sup>3</sup>	≥1.91
Compressive strength		Mpa	≥32
Ash content		%	<8
Thermal expansion coefficient $\times 10^{-6}$ /°C(300°C)			≤4.2
Na expansion rate		%	≤1.0
Dimensional tolerance	Length	mm	±2.0
	Width	mm	±1.0
	Thickness	mm	±1.0

#### Note:

- 1- standard and grade: YS/T 623-2012, GS-C.
- 2- Inland road transportation: Transport by flatbed trailer with hinged side frame and weather protection. Blocks to be shrink wrapped on pallet.
- 3- Sea transportation: Containerized blocks on pallet.
- 4- To be supplied in pallets of 20



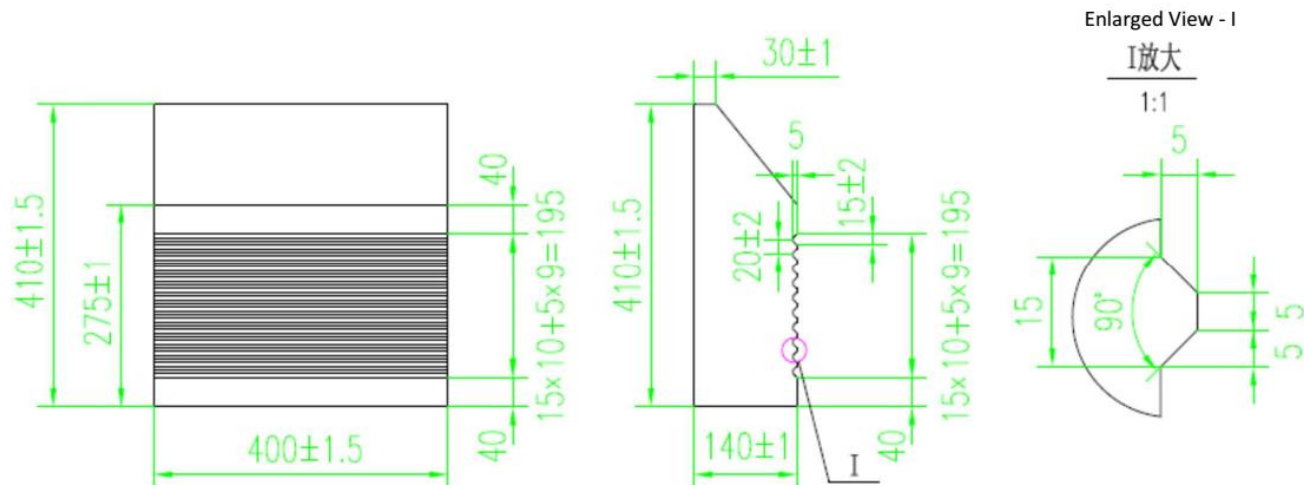


### Long Side Carbon Block No.1

Property		Unit	Value
Bulk density		g/cm <sup>3</sup>	≥1.56
True density		g/cm <sup>3</sup>	≥1.91
Compressive strength		Mpa	≥32
Ash content		%	<8
Thermal expansion coefficient ×10 <sup>-6</sup> /°C(300°C)			≤4.2
Na expansion rate		%	≤1.0
Specific resistance		μΩ·m	30~75
Dimensional tolerance	Length	mm	±1.5
	Width	mm	±1.0
	Thickness	mm	±1.0

#### Note:

- 1- standard and grade: YS/T 623-2012, GS-C.
- 2- Inland road transportation: Transport by flatbed trailer with hinged side frame and weather protection. Blocks to be shrink wrapped on pallet.
- 3- To be supplied in pallets of 20
- 4- Sea transportation : Containerized blocks on pallet.

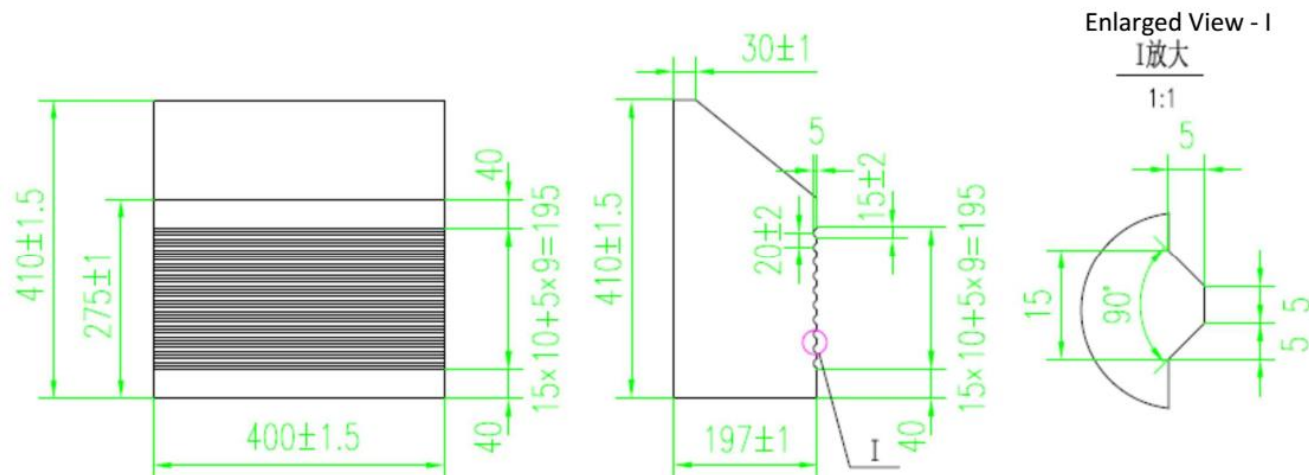


Short Side Carbon Block No.1

Property		Unit	Value
Bulk density		g/cm <sup>3</sup>	≥1.56
True density		g/cm <sup>3</sup>	≥1.91
Compressive strength		Mpa	≥32
Ash content		%	<8
Thermal expansion coefficient ×10 <sup>-6</sup> /°C(300°C)			≤4.2
Na expansion rate		%	≤1.0
Specific resistance		μΩ·m	30~75
Dimensional tolerance	Length	mm	±1.5
	Width	mm	±1.0
	Thickness	mm	±1.0

**Note:**

- 1- standard and grade: YS/T 623-2012, GS-C.
- 2- Inland road transportation: Transport by flatbed trailer with hinged side frame and weather protection. Blocks to be shrink wrapped on pallet.
- 3- To be supplied in pallets of 20
- 4- Sea transportation : Containerized blocks on pallet.



### Collector Bar Window Brick

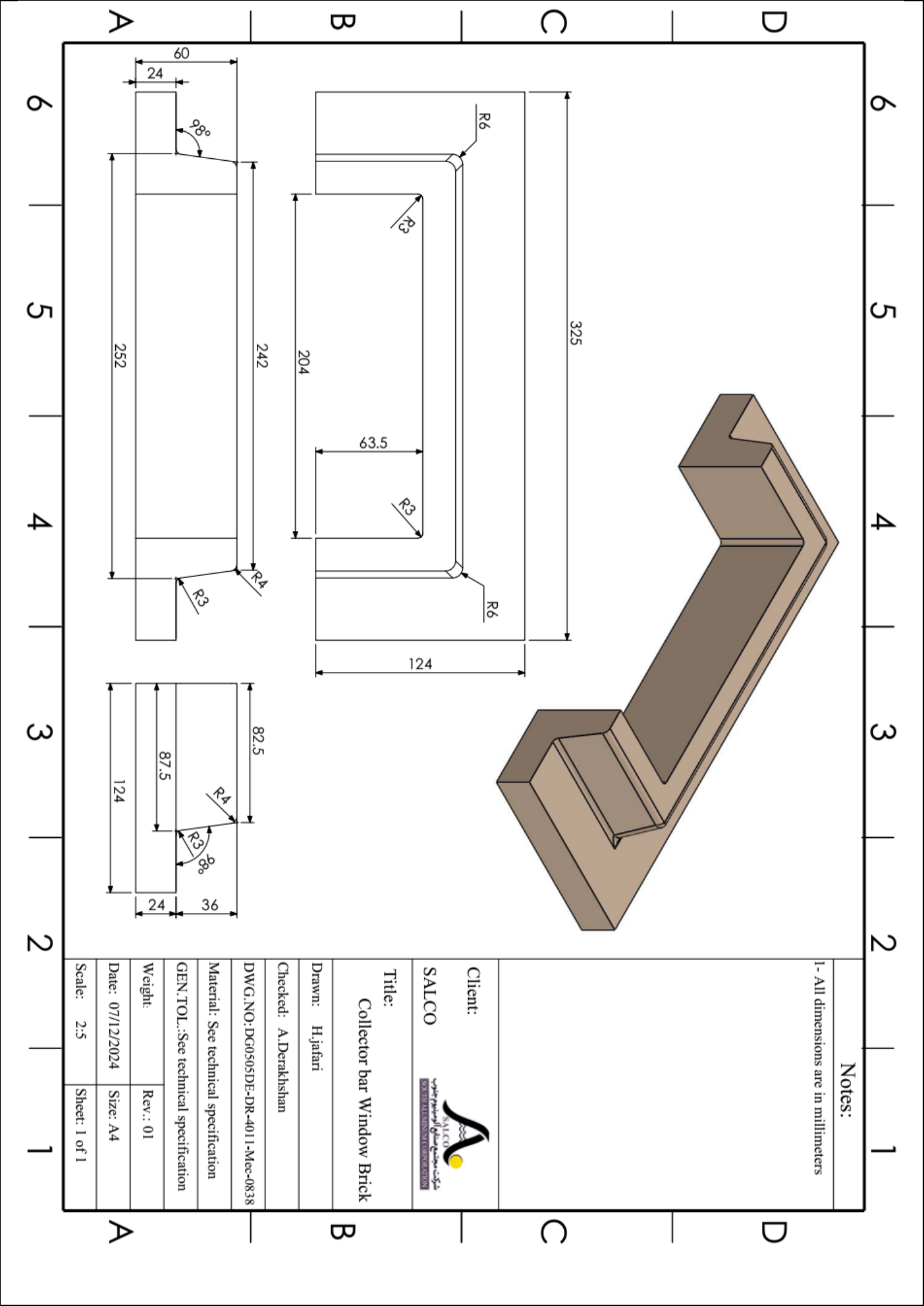
Property	Unit	Value
$\text{Al}_2\text{O}_3$ content	%	$\geq 75$
Apparent porosity	%	$\leq 24$
Cold Crushing strength	$\text{N/mm}^2$	$\geq 100$
Compressive strength under ambient temperature	MPa	$\geq 50$
Softening start temperature under 0.2MPa /°C	°C	$\geq 1520$
Permanent linear change on heating (1500°C×2hrs)	%	-0.4~0.2

#### Note:

- Standards & Grade (Code): GB/T 2988-2012, LZ-75
- DWG NO: DG0505DE-DR-4011-Mec-0838
- Inland road transportation: Transport by flatbed trailer with hinged side frame and weather protection. Bricks to be shrink wrapped on pallet.
- Sea transportation : Containerized bricks on pallet.
- Packaging: to be supplied in boxes of 210.

## Allowable Dimension Deviation and Apparent Defects

Property		Unit	Value
Allowable dimension deviation	Size $\leq 150$	mm	$\pm 2$
	Size 151~345	mm	$\pm 3$
	Size $> 345$	mm	$\pm 4$
Distortion	Length $\leq 345$	mm	$\leq 1.0$
	Length $> 345$	mm	$\leq 1.5$
Length of missing angle (a+b+c)		mm	$\leq 40$
Length of missing edge (e+f+g)		mm	$\leq 60$
Diameter of holes	Working surface	mm	$\leq 6$
	Non-working surface	mm	$\leq 8$
Crack length	Width $\leq 0.25$	mm	Not limited
	Width 0.26~0.5	mm	$\leq 40$
	Width $> 0.5$	mm	Not allowed
Difference of opposite sides in thickness direction		mm	$\leq 1$
<b>Notes:</b> Length of missing angles and edges: if there are 2 or more defects on the working surface of the same brick, the single defect shall be calculated as 0.7 times of the index in the table.			



Graphite Powder		
Property	Unit	Value
Particle size	mm	$\leq 0.075$
Content of fixed carbon	%	$\geq 90$
Temperature resistance	$^{\circ}\text{C}$	$\geq 1100$
Volatile	%	$\leq 3.0$
Moisture	%	$\leq 3.0$
Screen oversize	%	$\leq 10$
Sulfur Content	%	$\leq 0.5$
<b>Note:</b> <b>1-Packaging: To be delivered in 20Kg water resistant bags</b>		