

The background of the entire page is a technical drawing or blueprint. It features various geometric shapes, circles, and lines, some of which are dimensioned. Overlaid on this drawing are several drafting tools: a large set square in the upper right, a smaller set square in the lower left, and a long ruler or straightedge running diagonally across the center. The tools are rendered in a realistic, slightly metallic style.

IRAN ALLOY STEEL CO.

Technical Specification Document

Document No.

ED99241

IASCo Code

7001040005

REF. Code

Description

Weir for Tundish

IRAN ALLOY STEEL CO.			شرکت فولاد آلیاژی ایران	
Date	1403/12/1	دفترچه مشخصات فنی Technical Specification Document	Document No	ED99241
IASCo Code	7001040005		Material	Forsterite
Description	Weir for Tundish		Pos	-
DWG No.	ED1104R2203001001		Rev.	00

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IRAN ALLOY STEEL CO.



شرکت فولاد آلیاژی ایران

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۱- ابزار آلات اندازه گیری مورد نیاز

• متر



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۲- بازرسی

TEST CODE	DESCRIPTION OF TEST	STD TEST	INSPECTION TYPE	REQUIRED TEST	REMARK
-	Analyze of material	Report of a valid laboratory/company	R	<input checked="" type="checkbox"/>	
58	Visual and dimensional check	Dwg & Specif.	R	<input checked="" type="checkbox"/>	
-	Fit up	DANIELI 2.8.114 DANIELI 2.8.115	H	<input type="checkbox"/>	
40	NDT on welding	DANIELI 2.8.114 DANIELI 2.8.115	R See Table 1	<input type="checkbox"/>	
30,41,42, 43,44	NDT on casting	DANIELI 2.8.004 DANIELI 2.8.005 DANIELI 2.8.017	R See Table 1	<input type="checkbox"/>	
03,04,17, 31	NDT on forging & rolled bars	DANIELI 2.8.001 DANIELI 2.8.009	R See Table 1	<input type="checkbox"/>	
-	Tensile test	ISO 6892	R	<input type="checkbox"/>	
12	Metallographic structure	DANIELI 2.8.004 DANIELI 2.8.017	R	<input type="checkbox"/>	
05,06,13, 14,16	Heat treatment cycle	DANIELI 2.8.300	R See Table 2	<input type="checkbox"/>	
11	Hardness measurement	DANIELI 2.8.101	R	<input type="checkbox"/>	
23	Surface hardening depth measurement	ISO 3754	R	<input type="checkbox"/>	
-	Coating	Report of a valid laboratory/company	R See Table 3	<input type="checkbox"/>	
-	Thick. Measurement of coating	DANIELI 2.8.304 DANIELI 2.8.305	R	<input type="checkbox"/>	
57	Balancing	DANIELI 2.8.102 DANIELI 2.8.105	R	<input type="checkbox"/>	
25	Pressure leak test	DANIELI 2.8.102	R	<input type="checkbox"/>	
55	Surface Protection inspection, painting	DANIELI 2.8.302	R	<input type="checkbox"/>	
-	Packing	DANIELI 2.8.002	H	<input checked="" type="checkbox"/>	

TABLE 1

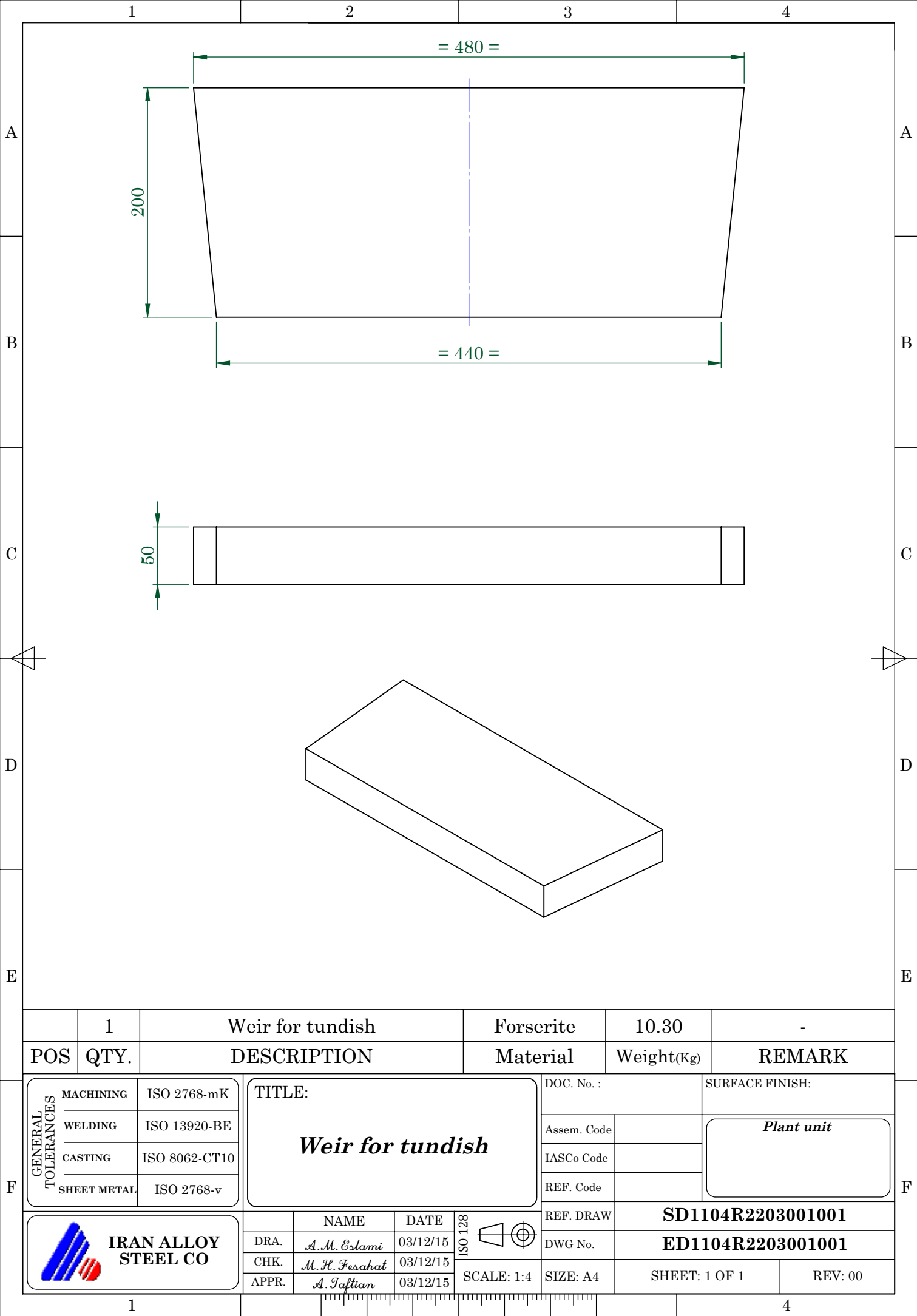
		% Non-destructive examinations					
		VT	DT	PT	MT	UT	RT
WELDS	Butt welds	-	-	-	-	-	-
	Fillet welds and/or partial(full) penetration welds	-	-	-	-	-	-
CASTING	FORGING	Class		A	B	C	D
				-	-	-	-

TABLE 2



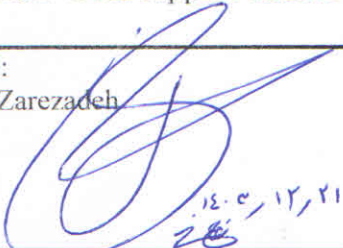

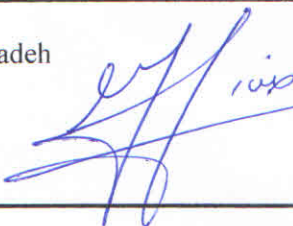
Heating in Vacuum furnace	Annealing	Normalizing	Quenching Tempering	Induction hardening	Nitriding	Cementation	Stress relieving	VSR 2.8.307
-	-	-	-	-	-	-	-	-

TABLE 3

COATING	Hard chromium plating	Chrome oxide coating	Zinc galvanizing	Coating powders	Phosphating
Required test	-	-	-	-	-



	1	Weir for tundish			Forserite	10.30	-
POS	QTY.	DESCRIPTION			Material	Weight(Kg)	REMARK
GENERAL TOLERANCES	MACHINING	ISO 2768-mK			DOC. No. :		SURFACE FINISH:
	WELDING	ISO 13920-BE			Assem. Code		<div>Plant unit</div>
	CASTING	ISO 8062-CT10			IASCo Code		
	SHEET METAL	ISO 2768-v			REF. Code		
<div>IRAN ALLOY STEEL CO</div>		TITLE: <div>Weir for tundish</div>			REF. DRAW		SD1104R2203001001
					DWG No.		ED1104R2203001001
					SIZE: A4		SHEET: 1 OF 1
					SCALE: 1:4		REV: 00
		DRA.	NAME	DATE	<div>ISO 128</div> <div></div>		
		CHK.	M. H. Fesahat	03/12/15			
		APPR.	A. Taftian	03/12/15			

Date: 03/12/21 Rev.: 00	Material Specification for Tundish Magnesia Dam	 IRAN ALLOY STEEL CO.														
ID code: 7001040005	Area: Tundish	Storage site: PU 46														
General properties																
Basic Components: Magnesia - Forsterite		Bonding System: Chemical-Ceramic Bond														
Classification: Board																
Chemical composition (wt. %): <table style="width: 100%;"> <tr><td>MgO</td><td>Min 75.0</td></tr> <tr><td>CaO</td><td>1.0-3.0</td></tr> <tr><td>SiO₂</td><td>Max 21.0</td></tr> <tr><td>Al₂O₃</td><td><1.0</td></tr> <tr><td>Fe₂O₃</td><td>2.0-3.0</td></tr> <tr><td>K₂O (Na₂O)</td><td><1.5</td></tr> <tr><td>L.O.I</td><td><2.0</td></tr> </table>	MgO	Min 75.0	CaO	1.0-3.0	SiO ₂	Max 21.0	Al ₂ O ₃	<1.0	Fe ₂ O ₃	2.0-3.0	K ₂ O (Na ₂ O)	<1.5	L.O.I	<2.0	Fig. 	
MgO	Min 75.0															
CaO	1.0-3.0															
SiO ₂	Max 21.0															
Al ₂ O ₃	<1.0															
Fe ₂ O ₃	2.0-3.0															
K ₂ O (Na ₂ O)	<1.5															
L.O.I	<2.0															
Map No.:																
Sieve analysis /Dimension: Max 1 mm																
Physical properties:																
Bulk Density	2.75-2.85	g/cm ³														
Mechanical/Thermal properties:																
Cold Crushing Strength	450-750	kg/cm ² at 110 °C														
Max Service Point	1750	° C														
Remark: Keep in dry place																
Packing: On The Wooden Pallet																
Shelf life: <input checked="" type="checkbox"/> 1 Year NA <input type="checkbox"/>																
Life time: It is necessary for this part to perform properly in continuous casting for at least 10 hours																
Quality Check: Certificate from supplier and laboratory test																
Edited: Ehsan Zarezadeh 	Checked: Mehdi Eslampour 	Approved: Vahid Saffarzadeh 														

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۵- نحوه بسته بندی و شرایط نگهداری

☒ قطعه نیاز به کارتن دارد

☐ نگهداری در انبار روباز بلامانع می باشد

☐ قسمت های تلورانسی و حساس با گریس ضد خوردگی پوشش داده شود

☐ جهت جابجایی فقط از مکان های مجاز قابل حمل می باشد

☐ بسته بندی نیاز به ضربه پذیری دارد

توضیحات:

