JONAN SIBBIL

鉄を通じ社会に貢献する

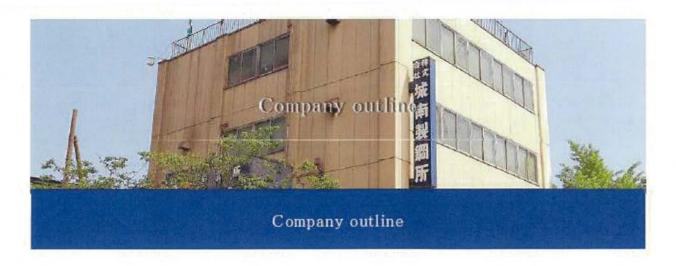


数城南製鋼所

JONAN STEEL CORPORATION

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Company name Jonan Steel Corporation President & CEO Representative President Shigeki Kishida ¥100,000,000 Capital March 1955 Date established

Main client

GOTETSU SANGYO CO.,LTD.

JFE Shoji Trade Steel Construction Materials Corporation

Marubeni Itochu Sumisho Techno Steel Inc.

NIPPON STEEL & SUMIKIN BUSSAN CORPORATION

SHIBAMOTO & CO., LTD.

Please don't hesitate to contact following agents if any inquiries.

HANWA CO.,LTD.

KANEMATSU TRADING CORP.

MM&KENZAI Corporation

OKAYA&CO.,LTD.

Toyota Tsusho Corporation

History



1955 March

Kenji Kakihara, the current chairman, established Jonan Steel Shokai in Omori-kita, Otaku, Tokyo, to sell steel materials as a private management company.

1967 December Jonan Steel Mill Corporation purchased land at 5-13-35 Ryoke, Kawaguchi city, and

-			
			started to construct a new rolling plant as a first phase of new mill construction.
	1969	November	The company built a steel making plant as second phase of the construction. This plant started production with a 20-ton electric furnace. The continuous production system from the steel-making process to the rolling process was started. Capital was increased to $\frac{1}{4}$ 48 million with investment by Tokyo Small and Medium Business Investment & Consultation C_{0} ,
	1971	November	Authorized to place Japan Industrial Standard (JIS) indication on reinforcing bar steel.
	1972	June	Continuous casting machine was installed.
1970	1973	August	The 20-ton electric furnace in the steel-making plant was replaced by a 40-ton electric furnace, Rationalization of the rolling line was done. Which cabled 15,000 tons of production monthly.
极直线	1982	December	The steel making mill and the rolling mill achieved monthly production of 25,000 tons each.
1980	1988	November	Rolling line and accuracy adjustment line were replaced by new lines. Both the steel-making mill and the rolling mill established 40,000-ton production systems.
THE REAL PROPERTY.	1989	September	The continuous casting machine in the steel-making plant was replaced by a new machine.
	1994	January	The finishing rolling machine in the rolling plant was replaced by a block mill.
1990	1997	January	The oxygen generator was replaced by a new one. The intermediate mill in the rolling plant was replaced by a block mill.
	1999	December	The plants achieved conformity with ISO 9001:1994 quality system examination, and were certified and registered.
	2001	March	The Purchasing Department purchased a iron scrap radioactive ray detection monitor.
	2004	December	The motors of the building dust collectors were changed to inverter controlled motors to achieve energy saving.
	2005	May	The motors of the direct-suction dust collectors were changed to inverter-controlled motors to achieve energy saving.
	2009	April	Authorized to place Korean Industrial Standards (KS) indication on reinforcing bar steel. (KS D 3504)
	2009	December	The plants achieved conformity with ISO $9001:2008$ quality system examination, and were certified and registered.
	2010	January	Cooling bed and maintenance facility was renewed.
2000	2011	June	The plants achieved conformity with $ISO14001;2004$ quality system examination, and were certified and registered.
	2012	January	Tempcore facility was installed.
	2012	June	Separately excited type flicker compensating device was replaced, and self-exciting type flicker compensating device was additionally installed.
	2014	January	Transformer for electric furnance was replaced by a new machine. Continous casting machine was replaced by a new machine.
	2014	February	The plants achieved conformity with OHSAS $18001:2007$ quality system examination, and were certified and registered.
	2015	January	Ladle preheating/drying equipment was replaced by a new machine. Product cutting machine was replaced by a new machine.
	2016	January	Primary inverter facility for rolling machine motor was renewed.

July	2018	The plants achieved conformity with ISO 14001:2015 environment system examination, and were certified and registered.
October	2018	Electrode regulating control system was replaced.
November	2018	The plants achieved conformity with ISO 9001:2015 quality system examination, and were certified and registered.
January	2019	Cojet gas injection system was installed.
March	2019	New company office completed.

土木工程拓展署 CEDD Civil Engineering and Development Department

Web site E-mail

網址 置子郵件:

: http://www.cedd.gov.hk

Telephone Facsimile

電話 傳真 raymondctkwok@cedd.gov.hk (852) 2305 1275 (852) 2707 4825

本署檔號:

GCST 4/20/9-13

Our ref Your ref

來函檔號:

VSCS09-052/SN

Jonan Steel Corporation

C/O VSC Steel Company Limited,

49/F, Hopewell Centre,

183 Oueen's Road East,

Wanchai, Hong Kong.

(Attn: Sunny Ng)

Dear Mr. Ng.

土力工程處

Geotechnical Engineering Office

香港九龍祥柴街 2 號 B

工務中央試驗所大樓 工務試驗所

Public Works Laboratories,

Public Works Central Laboratory Building,

2B Cheung Yip Street, Kowloon, Hong Kong

23 June 2009

Steel Bar Codes Registration - BS 4449/CS2:1995

I am pleased to inform that your application for registering Jonan Steel Corporation into the PWL Steel Bar Circular for bars sizes of 10, 12 & 16 mm manufactured to BS4449/CS2:1995 has been processed.

Jonan Steel Corporation is accepted as a Quality Assured Manufacturer, and arrangements have been made to assign the product as JPN7 as per barcode listed below for incorporation into the PWL Steel Bar Circular with effect from 1 October 2009.



JPN7 Jonan Steel Corporation

With regards.

Yours faithfully,

for Chief Geotechnical Engineer/Standards & Testing Geotechnical Engineering Office Civil Engineering and Development Department

Certificate of Registration



This is to certify that the Quality Management System of



JONAN STEEL CORPORATION

at

13-35, 5-chome, Ryoke, Kawaguchi-shi, Saitama, Japan

having been assessed by JIC Quality Assurance Ltd., conforms to the requirements of applicable standard:

ISO 9001:2015/JIS Q 9001:2015

Scope of Certification:

Production of steel bars for concrete reinforcement

Other Site(s) in the Scope of Certification:

Warehouse No.1: 6-25, 5-chome, Ryoke, Kawaguchi-shi, Saitama, Japan Warehouse No.2: 1-15, 5-chome, Ryoke, Kawaguchi-shi, Saitama, Japan [Storage of products]

Warehouse No.3: 11-13, 5-chome, Ryoke, Kawaguchi-shi, Saitama, Japan [Storage of equipment]

Office: 11-13, 5-chome, Ryoke, Kawaguchi-shi, Saitama, Japan [Comprehensive management]

Certification No.:

0528

Date of revision: Date of expiry: September 26, 2019

Date of initial certification:

December 9, 1999

December 8, 2020

Date of revision approval:

September 26, 2019







JIC Quality Assurance Ltd. 2-15-5, Shintomi, Chuo-ku, Tokyo, Japan

Virofumi Kawasaki

Hirofumi Kawasaki, President







This is to certify that the Environmental Management System of

JONAN STEEL CORPORATION



13-35, 5-chome, Ryoke, Kawaguchi-shi, Saitama, Japan

having been assessed by JIC Quality Assurance Ltd., conforms to the requirements of applicable standard:

ISO 14001:2015/JIS Q 14001:2015

Scope of Certification:

Production of steel bars for concrete reinforcement

Other Site(s) in the Scope of Certification:

Warehouse No.1: 6-25, 5-chome, Ryoke, Kawaguchi-shi, Saitama, Japan Warehouse No.2: 1-15, 5-chome, Ryoke, Kawaguchi-shi, Saitama, Japan [Storage of products]

Warehouse No.3: 11-13, 5-chome, Ryoke, Kawaguchi-shi, Saitama, Japan [Storage of equipment]

Certification No.:

E2180

Date of revision:

July 19, 2018

Date of initial certification:

July 28, 2011

Date of expiry:

July 27, 2020

Date of revision approval:

July 19, 2018







JIC Quality Assurance Ltd. 2-15-5, Shintomi, Chuo-ku, Tokyo, Japan

Hirofumi Kawasaki, President





315 Product Certificate



Certification number QA0307041

Date of certification

18 December 2007

Date of reissue

1 December 2010

JONAN STEEL CORPORATION

13-35, 5-chome, Ryoke, Kawaguchi-shi, Saitama, Japan

ЛС Quality Assurance Ltd., accredited and operating as ЛS mark-certification body, hereby declares that the industrial product mentioned below complies with the certification criteria and specifications in Japanese Industrial Standards as well as in governing ministerial ordinance.

Product and JIS number:

Steel bars for concrete reinforcement

JIS G 3112

- Category of certification: G-4
- Product type and designation: SD295A, SD345, SD390

Including Annex JA

(Supplementary quality requirements)

Production/Manufacturing plant:

JONAN STEEL CORPORATION

13-35, 5-chome, Ryoke, Kawaguchi-shi, Saitama, Japan

Applied provisions of the Industrial Standardization Law: Article 19, Paragraph 1

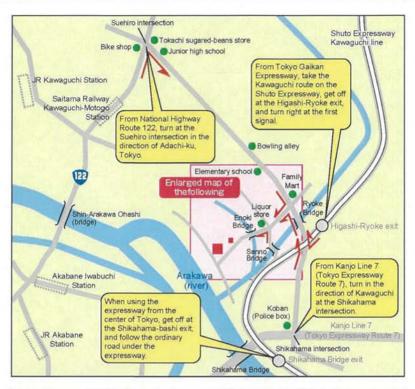


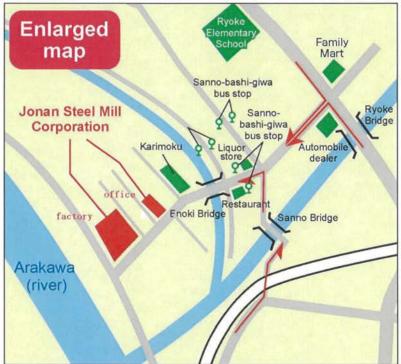
JIC Quality Assurance Ltd. 2-15-5, Shintomi, Chuo-ku, Tokyo, Japan

Muneyuki Higuchi, President









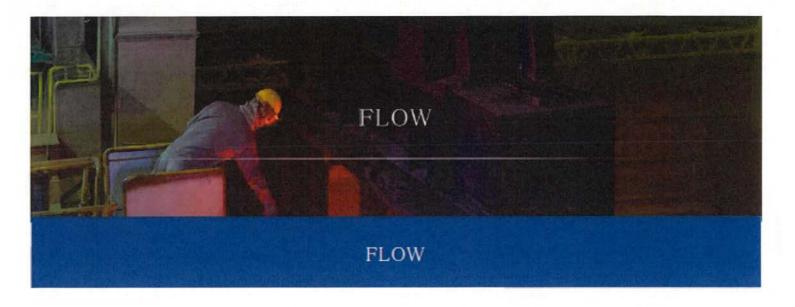
By public transportation

By taxi Take a taxi from the east exit of Kawaguchi Station on the JR Keihin-Tohoku line (about 15 minutes).

By bus

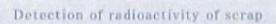
Take Kokusai Kogyo Bus, Kawa 21, which departs from the east exit of JR Kawaguchi Station. On the Shikahama-Ryoke route, which goes around Ryoke factory town first, get off at "Enokibashi" bus stop, from which it's 5 minutes on foot. If the bus goes around Ryoke 2-chome first, get off at "Sanno-bashi-giwa," from which it's 7 minutes on foot.

Take Kokusai Kogyo Bus, Aka 23 route, departing from the east exit of JR Akabane Station for Nishi-Arai Station via Arakawa Ohashi, get off at "Enokibashi" bus stop, from which it's 5 minutes on foot.



Our main goal is "Low & High quality". For this goal, we established our own original production line, whitch was developed with our high technologies. And our excellent management system controls every single scene of product's flow, from receiving orders to shipping products.

1	2	3	4	5	6	7	8	9	10	11
	'n		1	9 0 0						
Detection of radioactivity of scrap	Acceptance and mixing of scrap	Electric furnace	Tapping liquid steel	Continuous casing facili- ty	Billet	Bar steel rolling ma- chines	Reforming & cooling	Bundling	Inspection	Shipping





We check if there is radioactive waste in steel scrap by "Radioactive ray detection monitor" as a first step. The inspection is done by trailer track basis. If it contains the waste, the scrap will be returned.

There are so many staffs surround us, which radiant rays is used for, such as medical equipment, various analyzing equipment, etc. We strictly prevent radioactive waste to be in our plant.

Acceptance and mixing of scrap



The scrap iron collected is unloaded using a huge magnet, then the scrap is selected in order by each class and stored in the yard. Later, we mix the scrap iron in order to ensure that the chemical composition will be even when the scrap is melted, then feed the mixed scrap into the electric furnace.



We melt the scrap iron in an electric furnace using arc discharge. In addition, we adjust chemical compositions by removing impurities from the melted steel and adding auxiliary materials.

Chemical compositions have great influence on the mechanical property of products. We use an analyzing system to inspect the product, and after we have refined the products to meet to our company standards, we top liquid steel in to a ladle.

4 Tapping liquid steel



One charge is about 70 tons, and we can produce about 25 charges per day.

5 Continuous easing facility



Next, the liquid steel from the electric furnace is carried to the continuous casting machine, and the billets which is the base materials for steel reinforcement bars are produced here.

6 Billet



A billet is a block of steel in a square bar shape. Our company produces billet in size 125mm×125mm. Length 3~4m.

7 Bar steel rolling machines



Billets are passed through 18 rolling machines in order, to gradually extend (roll) to make bar steel. In the final rolling machine, knots and marks are stamped into the bar steel, and the bar steel is transformed into the reinforcing bar shape.

Reforming & cooling



Hot reinforcing bars are cooled down to normal temperature.



The reinforcing bars are cut to specified lengths, and bundled in to specified numbers.

10

Inspection



Various inspections are carried out to check whether or not each reinforcing bar product meets the standards. Qualified products are shipped out.

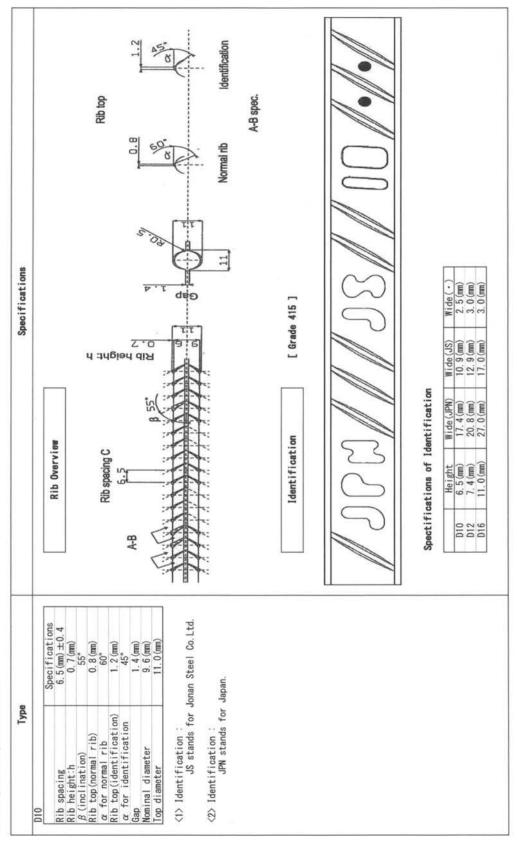
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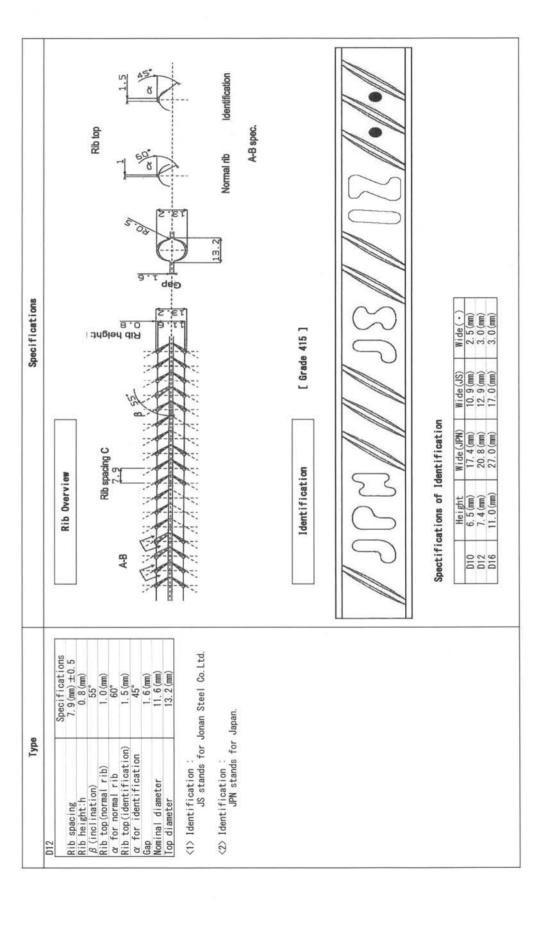
Shipping

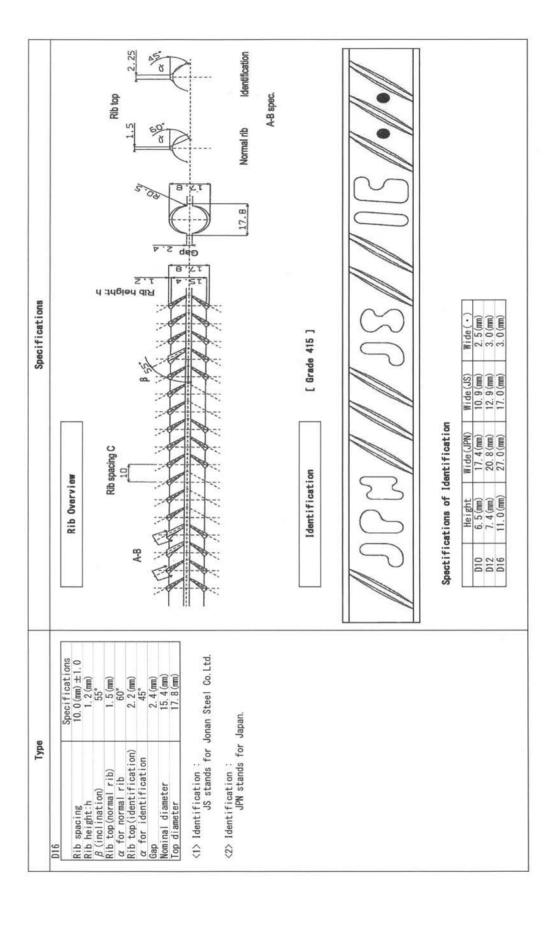


The products are loaded on trailer trucks according to the details of each order, and delivered to customers according to the specified delivery dates.

2. Example rib specifications







MILL'S INSPECTION CERTIFICATE

JONAN STEEL CORPORATION

₹332-0004 13-35,RYOKE 5-CHOME,KAWAGUCHI-SHI SAITAMA-KEN JAPAN TEL 81-48-223-3116 FAX 81-48-224-7607

> : 0528 by JICQA ISO Registration No.

3.Certificate Example

Contract No.

Customer Shipper

Destination

Date of Issue Sheet No.

Steel bars for concrete reinforcement Commodity

CDPNS 49:2001/Grade 415 Specification

_														-
(%)	Ceq	× 100	MAX55	47			47							
	>	× 1000	april 1	37			37							
	Мо	× 1000	1	126			126							l
	Z	× 1000	9	158			158							1
	ڻ	× 100	ï	26			26							
Chemical Composition	Cu	× 100	1											1
mical (S	× 1000	MAX50	26			26							1
Che	Ь	× 1000	MAX50 MAX150 MAX50	78			28							
	Mn	× 100	MAX150	30			30							
	Si	Si × 100		31			31							
	S	× 100	MAX30	22			22							
	Bend	Inner dia.	3.0D	Good	Good	Good	Good	Good	Good					
	Elongation	(%)	MIN 8	20.3	20.3	9.61	20.3	20.3	19.6					
	Tensile Strength	(N/mm ²)	MIN 620	707	701	701	707	701	701					
	Yield	(N/mm ²)	MIN 415	594	587	582	594	287	582					
Product Quantity	Weight		(kg)											
	No.of	Pieces												
	No.of	Bundles												
	Charge	No		51822			51822			BLANK			1	
	Diameter	and Size		D10×6m			D10×12m							

Mill Mark:

Signed by:

Chief of Inspection Section JONAN STEEL CORPORATION