



Approval No. ST118RO

Certificate No. TA191492E

APPROVAL OF MANUFACTURING PROCESS

This is to certify that

Dragon Steel Corporation
Taichung, Taiwan

has been approved for the manufacturing process of undermentioned materials by the NIPPON KAIJI KYOKAI in accordance with the requirements of 1.2, Part K of the Society's "Rules for the Survey and Construction of Steel Ships" and Chapter 1, Part 1 of the Society's "Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use".

MATERIALS : Rolled Steels for Hull

The details of the relevant approval conditions are given in the PARTICULARS OF APPROVAL listed in the reverse of this certificate.

The products for the ships classed with the Society are to be manufactured, tested and inspected in compliance with the Rules.

This certificate is valid from 22 January 2020 until 21 January 2025.
Issued at Tokyo on the 4 December 2019.

H. Kobayashi

General Manager

Material and Equipment Department

List of PARTICULARS OF APPROVAL

	Ref. No.	Issue Date
1.	TA15175E	24 FEB. 2015
2.	TA191493E	4 DEC. 2019

No. : TA15175E

Date : 24 February 2015

PARTICULARS OF APPROVAL

Approval Conditions for Manufacturing Process of Rolled Steels for Hull

- | | |
|----------------------------|----------------------------|
| 1. Manufacturer | : Dragon Steel Corporation |
| 2. Kind of Product | : Shapes |
| 3. Grade | : KA36 and KD36 |
| 4. Deoxidation Practice | : Fine-grained Killed |
| 5. Grain Refining Elements | : Nb |
| 6. Max. Thickness | : 26mm |
| 7. Condition of supply | : CR |
| 8. Steel Making Process | : Electric Arc Furnace |
| 9. Casting Process | : Continuous Casting |



T. Imamura
General Manager

Material and Equipment Department



No. : TA191493E

Date : 4 December 2019

PARTICULARS OF APPROVAL

Approval Conditions for Manufacturing Process of Rolled Steels for Hull

- | | |
|----------------------------|--|
| 1. Manufacturer | : Dragon Steel Corporation |
| 2. Kind of Product | : Billets |
| 3. Grade | : Normal Strength Steel and
Higher Strength Steel |
| 4. Deoxidation Practice | : Fine-grained Killed |
| 5. Grain Refining Elements | : Nb |
| 6. Max. Thickness | : 150mm |
| 7. Steel Making Process | : Electric Arc Furnace |
| 8. Casting Process | : Continuous Casting |



H. Kobayashi
General Manager

Material and Equipment Department

