



# NIPPON KAIJI KYOKAI

## *Certificate*

05EQ420FPA(R)

*OF*

### *APPROVAL*

Item : A-60 class door  
Type : TK. SA-3A  
Specification : See Annex.  
Manufacturer : Taiko Sangyo Co., Ltd.  
9515-1, Mukaishima-cho, Onomichi-city,  
Hiroshima-pref., Japan  
Testing standard : FTP Code Annex1 / Part 3  
Test report  
Test laboratory : Research Institute of Marine Engineering, Japan  
Report number : 00-303

THIS IS TO CERTIFY that the above type of products has been approved by Nippon Kaiji Kyokai with type approval No. 00FPA42DA and that products of the type will be accepted for use onboard ships classed with the Society for compliance with the relevant requirements of the Society's *Rules for the Survey and Construction of Steel Ships* and those of the *International Convention for the Safety of Life at Sea, 1974, as amended*, subject to approval of the flag Administration and conditional upon that the manufacturer has a quality control system audited by a competent authority to ensure continuous compliance with the type approval conditions.

This certificate is valid from 28th November 2005 until 27th November 2010.

Issued at Tokyo on 15th December 2005.

NIPPON KAIJI KYOKAI



H. Kitada  
General Manager  
Material and Equipment Department

Initial approval date : 28th November 2000



# NIPPON KAIJI KYOKAI

## *Certificate*

05EQ419FPA(R)

*OF*

*APPROVAL*

Item : A-0 class door  
Type : TK. SA-2A  
Specification : See Annex.  
Manufacturer : Taiko Sangyo Co., Ltd.  
9515-1, Mukaishima-cho, Onomichi-city,  
Hiroshima-pref., Japan  
Testing standard : FTP Code Annex1 / Part 3  
Test report  
Test laboratory : Research Institute of Marine Engineering, Japan  
Report number : 99-044

THIS IS TO CERTIFY that the above type of products has been approved by Nippon Kaiji Kyokai with type approval No. 00FPA39DA and that products of the type will be accepted for use onboard ships classed with the Society for compliance with the relevant requirements of the Society's *Rules for the Survey and Construction of Steel Ships* and those of the *International Convention for the Safety of Life at Sea, 1974, as amended*, subject to approval of the flag Administration and conditional upon that the manufacturer has a quality control system audited by a competent authority to ensure continuous compliance with the type approval conditions.

This certificate is valid from 16th November 2005 until 15th November 2010.

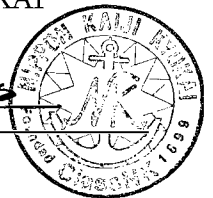
Issued at Tokyo on 15th December 2005.

NIPPON KAIJI KYOKAI

H. Kitada

General Manager

Material and Equipment Department



Initial approval date : 16th November 2000



# NIPPON KAIJI KYOKAI

## *Certificate*

05EQ418FPA(R)

*OF*

### *APPROVAL*

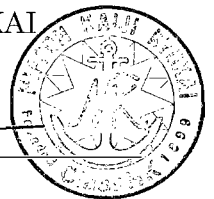
Item : A-0 class door  
Type : TK. SA-1A  
Specification : See Annex.  
Manufacturer : Taiko Sangyo Co., Ltd.  
9515-1, Mukaishima-cho, Onomichi-city,  
Hiroshima-pref., Japan  
Testing standard : FTP Code Annex1 / Part 3  
Test report  
Test laboratory : Research Institute of Marine Engineering, Japan  
Report number : 99-043

THIS IS TO CERTIFY that the above type of products has been approved by Nippon Kaiji Kyokai with type approval No. 00FPA40DA and that products of the type will be accepted for use onboard ships classed with the Society for compliance with the relevant requirements of the Society's *Rules for the Survey and Construction of Steel Ships* and those of the *International Convention for the Safety of Life at Sea, 1974, as amended*, subject to approval of the flag Administration and conditional upon that the manufacturer has a quality control system audited by a competent authority to ensure continuous compliance with the type approval conditions.

This certificate is valid from 16th November 2005 until 15th November 2010.

Issued at Tokyo on 15th December 2005.

NIPPON KAIJI KYOKAI



H. Kitada  
General Manager  
Material and Equipment Department

Initial approval date : 16th November 2000



# NIPPON KAIJI KYOKAI

## *Certificate*

05EQ421FPA(R)

*OF*

### *APPROVAL*

Item : B-0 class door  
Type : TK. SB-1A  
Specification : See Annex.  
Manufacturer : Taiko Sangyo Co., Ltd.  
9515-1, Mukaishima-cho, Onomichi-city,  
Hiroshima-pref., Japan  
Testing standard : FTP Code Annex1 / Part 3  
Test report  
Test laboratory : Research Institute of Marine Engineering, Japan  
Report number : 98-296

THIS IS TO CERTIFY that the above type of products has been approved by Nippon Kaiji Kyokai with type approval No. 00FPA38DB and that products of the type will be accepted for use onboard ships classed with the Society for compliance with the relevant requirements of the Society's *Rules for the Survey and Construction of Steel Ships* and those of the *International Convention for the Safety of Life at Sea, 1974, as amended*, subject to approval of the flag Administration and conditional upon that the manufacturer has a quality control system audited by a competent authority to ensure continuous compliance with the type approval conditions.

This certificate is valid from 16th November 2005 until 15th November 2010.

Issued at Tokyo on 15th December 2005.

NIPPON KAIJI KYOKAI



H. Kitada  
General Manager  
Material and Equipment Department

Initial approval date : 16th November 2000



# NIPPON KAIJI KYOKAI

## *Certificate*

05EQ422FPA(R)

*OF*

### *APPROVAL*

Item : B-0 class door  
Type : TK. PD-1A  
Specification : See Annex.  
Manufacturer : Taiko Sangyo Co., Ltd.  
9515-1, Mukaishima-cho, Onomichi-city,  
Hiroshima-pref., Japan  
Testing standard : FTP Code Annex1 / Part 3  
Test report  
Test laboratory : Research Institute of Marine Engineering, Japan  
Report number : 99-355

THIS IS TO CERTIFY that the above type of products has been approved by Nippon Kaiji Kyokai with type approval No. 00FPA37DB and that products of the type will be accepted for use onboard ships classed with the Society for compliance with the relevant requirements of the Society's *Rules for the Survey and Construction of Steel Ships* and those of the *International Convention for the Safety of Life at Sea, 1974, as amended*, subject to approval of the flag Administration and conditional upon that the manufacturer has a quality control system audited by a competent authority to ensure continuous compliance with the type approval conditions.

This certificate is valid from 16th November 2005 until 15th November 2010.

Issued at Tokyo on 15th December 2005.

NIPPON KAIJI KYOKAI



H. Kitada  
General Manager

Material and Equipment Department

Initial approval date : 16th November 2000



# NIPPON KAIJI KYOKAI

## Certificate

Certificate No.  
08EQ38FPA(R)

OF

### APPROVAL

Item : B-15 class door  
Product name : TK. SB-3A  
Specification : See Annex.  
Applicant : TAIKO SANGYO CO., LTD.  
9515-1 Mukaishima-cho, Onomichi-city, Hiroshima,  
Japan  
Testing standard : IMO FTP Code Annex1 / Part 3  
Test report  
Test laboratory : Research Institute of Marine Engineering, Japan  
Report number : 02-249(E)

THIS IS TO CERTIFY that the above type of products has been approved by Nippon Kaiji Kyokai with type approval No. 02FPA67DB, and that the products of the above type will be accepted for use onboard ships classed with the Society as complying with the relevant requirements of the Society's *Rules for the Survey and Construction of Steel Ships* and those of the *International Convention for the Safety of Life at Sea, 1974, as amended*, subject to the approval of the flag Administration and conditional upon the manufacturer having a quality control system audited by a competent authority to ensure continuous compliance with the type approval conditions.

This certificate is valid from 20th November, 2007 until 19th November, 2012.  
Issued at Tokyo on 4th February, 2008.

NIPPON KAIJI KYOKAI

T. Tokishige  
General Manager

Material and Equipment Department



Initial approval date : 20th November, 2002



# NIPPON KAIJI KYOKAI

## Certificate

Certificate No.  
07EQ101FPA(R)

OF

### APPROVAL

Item : A-0 class door  
Type : TKS-1  
Specification : See Annex.  
Applicant : Taiko Sangyo Co., Ltd.  
9515-1, Mukaishima-cho, Onomichi-city, Hiroshima,  
Japan  
Manufacturer : Sanwa Shutter Corporation  
6-10-1, Tano Amagasaki-city, Hyogo, Japan  
Place of manufacture : Sanwa Shutter Corporation Ashikaga factory  
768 Fukutomishinmachi Ashikaga-city, Tochigi, Japan  
Sanwa Shutter Corporation Gifu factory  
516 Tarui-cho, Fuwa-gun, Gifu, Japan  
Maximum size : 1870mm × 2100mm (width × height)  
Testing standard : IMO FTP Code Annex1 / Part 3  
Test report  
Test laboratory : Research Institute of Marine Engineering, Japan  
Report number : 00-557(E)

THIS IS TO CERTIFY that the above type of products has been approved by Nippon Kaiji Kyokai with type approval No. 01FPA78DA, and that the products of the above type will be accepted for use onboard ships classed with the Society as complying with the relevant requirements of the Society's *Rules for the Survey and Construction of Steel Ships* and those of the *International Convention for the Safety of Life at Sea, 1974, as amended*, subject to the approval of the flag Administration and conditional upon the manufacturers having a quality control system audited by a competent authority to ensure continuous compliance with the type approval conditions.

This certificate is valid from 15th November, 2006 until 14th November, 2011.  
Issued at Tokyo on 1st March, 2007.

NIPPON KAIJI KYOKAI



T. Tokishige  
General Manager

Material and Equipment Department



Initial approval date : 15th November, 2001