

Xiamen Goomax Energy Technology Co., Ltd

- Goomax Group



Contact : Joy

Email : sales60@goomaxsolar.com



Content

1

AS/NZS1170、CE

2

ISO

3

SGS

4

Others



Dome Consulting (Aust) Pty Ltd
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Docklands Vic. 3008
Phone +61 3 9420 9777
mail@dome.com.au
www.dome.com.au
ABN: 32 146 605 870

ENGINEERING CERTIFICATE

Our Ref: LTR/11832R-Goomax-000

August 2015

This is to certify that at the request of Xiamen Goomax Energy Technology Co.,Ltd, Dome Consulting (Aust) Pty Ltd have reviewed the componentry used in the Tile Roof Mounting, Metal Roof Assembly and the Adjustable Solar Mounting Systems Installation Instruction Version 1.0 — updated July 2015.

The elements which were to be checked include:

Rail	GM-R01/R15/R16
Rail Splice Kit	GM-RS-11
Rail Clamp	GM-BR-01
Infer Clamp (30mm, 35mm, 40mm,45mm, 50mm)	GM-MC
End Clamp (30mm, 35mm, 40mm,45mm, 50mm)	GM-EC
Tile Roof Hook	GM-CTH-01
Tin Roof Hook L Leg	GM-MRH-L
Adjustable Tilt Front Leg	GM-AS-B01
Adjustable Tilt Rear Leg	GM-AS
Adjustable Triangle Frame	GM-FT
Klip-Lok 406	GM-MRH-07
Klip-Lok 700	GM-MRH-06

The check included a review of all regions of Australia wind loading conditions including Cyclonic conditions, in accordance to AS1170.2/Amdt/2012.12.24.

The design and documentation has determined that all supporting componentry in the above mentioned documentation was found to be acceptable.

Attention Installer:

For Solar panels installed on metal roof by using klamp locks inspections by are required by a local qualified Engineer prior to any installation, to ensure the existing metal roof is under suitable conditions Assumption:

The existing roofing is firmly/property fixed to the existing roof battens.

Should you have any further queries please do not hesitate to contact me.

Yours faithfully,

FOR & ON BEHALF OF DOME CONSULTING PTY LTD



Robert Cilia
BE (Civil) RBP RPEQ TBP

CELAB®

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04100 Latina
Italy
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CERTIFICATE

Certificate Number UCN : 802155029882
Job : J24805
Date of Issue : 2015-09-12
Certificate valid up to : 2022-09-11
Brand Name : See Label
Type : Solar Mounting System
Model N : GM-R01—GM-R99, GM-AG1—GM-AG10, GM-MC, GM-EC, GM-FC, GM-FS, GM-RS, GM-F76, GM-M14X40, GM-MRH, GM-EK, GM-E-EL, GM-FG, GM-BN, GM-BR

Manufacturer : Xiamen Goomax Energy Technology Co., Ltd
Address : 905# Jordan Building A, High-tech Park, Huli District, Xiamen, China

Standard Used : EN 1090-1:2009+A1:2011

Conclusion :
After inspection of the technical documentation issued by the customer, and in his request, we express our opinion that the product meets the technical requirement of the following directives and standards: (EU)305/2011 Construction products (CPR)

This opinion is only valid for the directive, the equipment and configuration described, in conjunction with the test data detailed above and with compliance with all applicable legal requirement for the product .

The following manufacturer documents was inspected:

Presence of Declaration of conformity template	✓ OK
Presence of test report using standards as indicated in the declaration of conformity Test report reference : B-S180919166	✓ OK
Presence of CE symbol in the product label.	✓ OK
Presence of instruction manual	✓ OK
Use of valid Harmonized standard in the declaration of conformity	✓ OK
Presence of product description in the technical construction file	✓ OK

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Massimiliano Bertoli
General Manager — CELAB
www.celab.com

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Doc 121 Voluntary Certificate rev 3.31

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04100 Latina
Italy
celab@celab.com



CERTIFICATE

Certificate Number UCN : 802155029882
Job : J24805
Date of Issue : 2015-09-12
Certificate valid up to : 2022-09-11

Brand Name : See Label
Type : Solar Mounting System
Model N : GM-R01—GM-R99, GM-AG1—GM-AG10, GM-MC, GM-EC, GM-FC, GM-FS, GM-RS, GM-F76, GM-M14X40, GM-MRH, GM-EK, GM-E-EL, GM-FG, GM-BN, GM-BR

Manufacturer : Xiamen Goomax Energy Technology Co., Ltd
Address : 905# Jordan Building A, High-tech Park, Huli District, Xiamen, China

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Conclusion :
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This opinion is only valid for the directive, the equipment and configuration described, in conjunction with the test data detailed above and with compliance with all applicable legal requirement for the product .

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Presence of Declaration of conformity template	✓ OK
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Presence of instruction manual	✓ OK
Use of valid Harmonized standard in the declaration of conformity	✓ OK
Presence of product description in the technical construction file	✓ OK

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General Manager — CELAB
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THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CQM has issued an IQNet recognized certificate that the organization:

Goomax Metal Co.,Ltd., Fujian

For the subsidiary site and certification scope to the attachment has implemented and maintains a **Environmental Management System** which fulfils the requirements of the following standard:

ISO 14001:2015

Issued on: 2018-06-19
Expires on: 2021-06-10

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document.

Registration Number: CN-00218E31670R2M

Alex Stoichitov, President of IQNet
Ji Xiaodong, General Manager of CQM

IQNet Partners*
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THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CQM has issued an IQNet recognized certificate that the organization:

Annex (1) to IQNet Certificate Number CN-00218E31670R2M

Organization	Certification Address(Post Code)	Product and its process
Goomax Metal Co.,Ltd., Fujian	Gumeli Industrial Zone, Melyang Village, Dongtan Town, Nan'an, Fujian, P.R.China(362303)	Design, production and relevant management activities of aluminum alloy profiles(substrates, anodized profiles, electrophoresis coating profiles, powder coating profiles, thermal profiles)
Goomax Metal Co.,Ltd., Fujian	Lianxing Section, Nanjing Highway, Ximeli Sub-district, Nan'an, Fujian, P.R.China(362300)	Production and relevant management activities of decorative stainless steel pipe, bracket for solar power station

(This annex is effective only using with home page)

Issued on: 2018-06-19
Expires on: 2021-06-10

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Alex Stoichitov, President of IQNet
Ji Xiaodong, General Manager of CQM

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CERTIFICATE

Environmental Management Systems Certificate

Certificate Number: 00218E31670R2M

CQM hereby certifies that

Goomax Metal Co.,Ltd., Fujian

United Social Credit Code:91350302796929194
Dongtan: Gumeli Industrial Zone, Melyang Village, Dongtan Town, Nan'an, Fujian, P.R.China

has implemented and maintains a **Environmental Management System** which fulfils the requirements of the following standards

GB/T 24001-2016/ISO 14001:2015

Environmental management systems- Requirements with guidance for use

For the subsidiary site and certification scope to the attachment

Issued on: 2018-06-19
Effective date: 2018-06-19
Validity Date: 2021-06-10
Registration Number: CQM-35-2006-0137-0002

The validity of the certificate can be checked on www.cqmcqm.com, Certificate Confirmation and CQM website.

Ji Xiaodong

GB/T 24001

CHINA QUALITY MARK CERTIFICATION GROUP

Address: No.33, Jinggang Road, Haidian District, Beijing, 100084, P.R. China
<http://www.cqmcqm.com>

EY 0006096

CERTIFICATE

Environmental Management Systems Certificate

Attachment (Page 1 of 1)

Certificate Number: 00218E31670R2M

Organization	Certification Address(Post Code)	The certificate is valid to the following product(s)/service
Goomax Metal Co.,Ltd., Fujian	Gumeli Industrial Zone, Melyang Village, Dongtan Town, Nan'an, Fujian, P.R.China(362303)	Design, production and relevant management activities of aluminum alloy profiles(substrates, anodized profiles, electrophoresis coating profiles, powder coating profiles, thermal profiles)
Goomax Metal Co.,Ltd., Fujian	Lianxing Section, Nanjing Highway, Ximeli Sub-district, Nan'an, Fujian, P.R.China(362300)	Production and relevant management activities of decorative stainless steel pipe, bracket for solar power station

Issued on: 2018-06-19
Effective date: 2018-06-19
Validity Date: 2021-06-10
Registration Number: CQM-35-2006-0137-0002

(The attachment is effective only using with home page)

Ji Xiaodong

GB/T 24001

CHINA QUALITY MARK CERTIFICATION GROUP

Address: No.33, Jinggang Road, Haidian District, Beijing, 100084, P.R. China
<http://www.cqmcqm.com>

EY 0006095

IQNet
THE INTERNATIONAL CERTIFICATION NETWORK
CERTIFICATE

CQM has issued an IQNet recognized certificate that the organization:

Goomax Metal Co., Ltd., Fujian

For the subsidiary site and certification scope to the attachment has implemented and maintains a Quality Management System which fulfils the requirements of the following standard:

ISO 9001:2015
Issued on: 2018-06-19
Expires on: 2021-06-10

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document.

Registration Number: CN-00218Q23332R2M

Alex Stoichitov
President of IQNet

Ji Xiaodong
General Manager of CQM

IQNet Partners:
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IQNet
THE INTERNATIONAL CERTIFICATION NETWORK
CERTIFICATE

CQM has issued an IQNet recognized certificate that the organization:

Annex (1) to IQNet Certificate Number CN-00218Q23332R2M

Organization	Certification Address(Post Code)	Product and its process
Goomax Metal Co., Ltd., Fujian	Gumei Industrial Zone, Meiyang Village, Dongshan Town, Nan'an, Fujian, P.R.China(362303)	Design and production of aluminum alloy prefabricated, anodized profiles, electrophoresis coating profiles, powder coating profiles, thermal profiles)
Goomax Metal Co., Ltd., Fujian	Liaoting Section, Nanjing Highway, Xinai Sub-district, Nan'an, Fujian, P.R.China(362300)	Production of decorative stainless steel pipe, bracket for solar power station

(This annex is effective only using with home page)

Issued on: 2018-06-19
Expires on: 2021-06-10

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President of IQNet

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General Manager of CQM

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CERTIFICATE
Quality Management Systems
Certificate

Certificate Number: 00218Q23332R2M

CQM hereby certifies that

Goomax Metal Co., Ltd., Fujian

United Social Credit Code: 91350903750629104
Detailed: Gumei Industrial Zone, Meiyang Village, Dongshan Town, Nan'an, Fujian, P.R.China

has implemented and maintains a Quality Management System which fulfils the requirements of the following standards

GB/T 19001-2016/ISO 9001:2015
Quality management systems—Requirements

For the subsidiary site and certification scope to the attachment

Issued on: 2018-06-19
Effective date: 2018-06-19
Validity Date: 2021-06-10
Registration Number: CQM-35-2006-0137-0001

The validity of the certificate can be checked on www.cqm.com.cn, Certificate Confirmation and CQM website

Ji Xiaodong
General Manager of CQM

CHINA QUALITY MARK CERTIFICATION GROUP
Address: No.33, Zengyuan Road, Haidian District, Beijing, 100044, P.R. China
<http://www.cqm.com.cn>

CERTIFICATE
Quality Management Systems
Certificate

Attachment (Page 1 of 1)

Certificate Number: 00218Q23332R2M

Organization	Certification Address(Post Code)	This annex is valid to the following products/service
Goomax Metal Co., Ltd., Fujian	Gumei Industrial Zone, Meiyang Village, Dongshan Town, Nan'an, Fujian, P.R.China(362303)	Design and production of aluminum alloy prefabricated, anodized profiles, electrophoresis coating profiles, powder coating profiles, thermal profiles)
Goomax Metal Co., Ltd., Fujian	Liaoting Section, Nanjing Highway, Xinai Sub-district, Nan'an, Fujian, P.R.China(362300)	Production of decorative stainless steel pipe, bracket for solar power station

Issued on: 2018-06-19
Effective date: 2018-06-19
Validity Date: 2021-06-10
Registration Number: CQM-35-2006-0137-0001

(The attachment is effective only using with home page)

Ji Xiaodong
General Manager of CQM

CHINA QUALITY MARK CERTIFICATION GROUP
Address: No.33, Zengyuan Road, Haidian District, Beijing, 100044, P.R. China
<http://www.cqm.com.cn>

SGS TEST REPORT

No. : XMML141005309
 Date : Oct 27, 2014
 Page : 1 of 3

XIAMEN GOOMAX ENERGY TECHNOLOGY CO., LTD
 905# JORDAN BUILDING, HIGH-TECH PARK, HULI DISTRICT, XIAMEN CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Name : BEAM
 Material : AL6005-T5
 Buyer : Xiamen Goomax Energy Technology Co., Ltd
 Manufacturer : Xiamen Goomax Energy Technology Co., Ltd
 Sample Information : Product No.: GM-AG1-3R
 Test Performed : Selected test(s) as requested by applicant
 Date of Receipt : Oct 21, 2014
 Test Period : Oct 21, 2014 to Oct 26, 2014
 Test result(s) : Please refer to the following page(s)
 *****To be continued*****

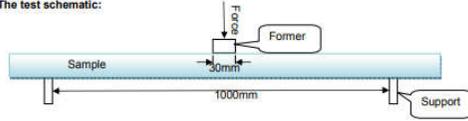
Signed for
 SGS-CSTC Standards Technical
 Services Co., Ltd. XM Branch Testing Center

Dean Cheng
 Dean Cheng
 Authorized signatory

SGS TEST REPORT

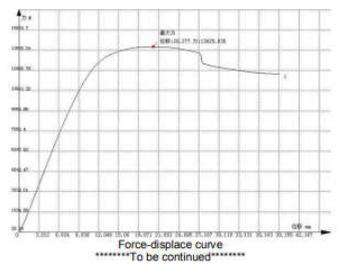
No. : XMML141005309
 Date : Oct 27, 2014
 Page : 2 of 3

Test Result:
 Sample description: metal
 Test item: bend test
 Test method: according to the client's requirements, as the following schematic, place the sample on two supports with the mid-length match the former, load the force vertically till the sample destroyed. Determine the maximum force.
 Former: width is 30mm; length is 105mm,
 Span length: 1000mm;
 Test rate: 12mm/min.
The test schematic:



Test result: The maximum bend force is 13826N.

Test curve:



SGS TEST REPORT

No. : XMML141005309
 Date : Oct 27, 2014
 Page : 3 of 3

Photo(s):



Photo 3. destroyed part
 Photo 4. before and after test comparison
 SGS authenticate the photo(s) on original report only
 ***** End of Report *****



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SGS

TEST REPORT

No. : XMML140904524
Date : Sep 15, 2014
Page: 1 of 3

XIAMEN GOOMAX ENERGY TECHNOLOGY CO., LTD
905# JORDAN BUILDING, HIGH-TECH PARK, HULI DISTRICT, XIAMEN CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Name : MID CLAMP, RAIL
Material : AL6005-T5
Buyer : Xiamen Goomax Energy Technology Co., Ltd
Manufacturer : Xiamen Goomax Energy Technology Co., Ltd
Test Performed : Selected test(s) as requested by applicant
Date of Receipt : Sep 09, 2014
Test Period : Sep 09, 2014 to Sep 15, 2014
Test result(s) : Please refer to the following page(s)
*****To be continued*****

Signed for and on behalf of
SGS-CSTC Ltd.



Dean Cheng
Technical Engineer



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中国·福建·厦门·火炬(翔安)产业区康平路31号 邮编:361101 | (86-592) 5761588 | (86-592) 5761589 | sgs.china@sgs.com

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SGS

TEST REPORT

No. : XMML140904524
Date : Sep 15, 2014
Page: 1 of 3

XIAMEN GOOMAX ENERGY TECHNOLOGY CO., LTD
905# JORDAN BUILDING, HIGH-TECH PARK, HULI DISTRICT, XIAMEN CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Name : MID CLAMP, RAIL
Material : AL6005-T5
Buyer : Xiamen Goomax Energy Technology Co., Ltd
Manufacturer : Xiamen Goomax Energy Technology Co., Ltd
Test Performed : Selected test(s) as requested by applicant
Date of Receipt : Sep 09, 2014
Test Period : Sep 09, 2014 to Sep 15, 2014
Test result(s) : Please refer to the following page(s)
*****To be continued*****

Signed for and on behalf of
SGS-CSTC Ltd.



Dean Cheng
Technical Engineer



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XMML 069206
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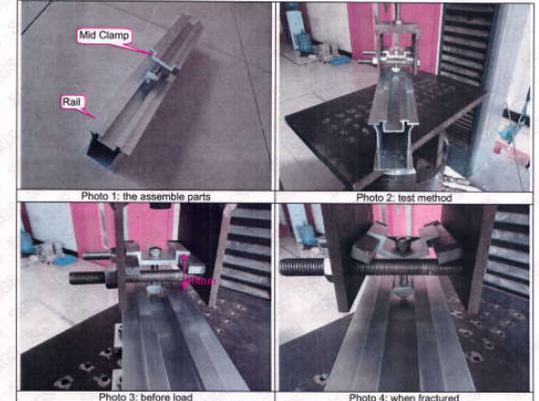
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SGS

TEST REPORT

No. : XMML140904524
Date : Sep 15, 2014
Page: 3 of 3

Photo(s):



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SGS TEST REPORT

No. : XMML141106073
 Date : Dec 03, 2014
 Page: 1 of 4

XIAMEN GOOMAX ENERGY TECHNOLOGY CO., LTD
 905# JORDAN BUILDING, HIGH-TECH PARK, HUIJI DISTRICT, XIAMEN CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Name : RAIL CLAMP
 Material : AL6005-T5
 Buyer : Xiamen Goomax Energy Technology Co., Ltd
 Manufacturer : Xiamen Goomax Energy Technology Co., Ltd
 Test Performed : Selected test(s) as requested by applicant
 Date of Receipt : Nov 26, 2014
 Test Period : Nov 26, 2014 to Dec 02, 2014
 Test result(s) : Please refer to the following page(s)
 *****To be continued*****

Signed for
 SGS-CSTC Standards Technical
 Services Co., Ltd. XM Branch Testing Center

Dean Cheng
 Dean Cheng
 Authorized signatory



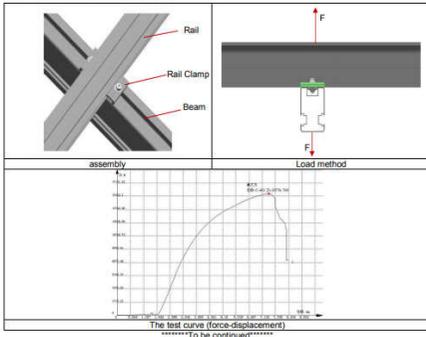
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SGS TEST REPORT

No. : XMML141106073
 Date : Dec 03, 2014
 Page: 2 of 4

Test Result:
 Sample description: Metal assembly
 Test item: Load test
 Test method: according to the client's requirements, fix the Rail by using the Clamp (fixed torque 20N·m) on the beam which based on the test machine. Apply the force by two symmetrical formers with the separation distance of 100mm. Determine the maximum force.
 Test rate: 2mm/min.
 Test result: The maximum force is 15.78kN.




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 Page: 3 of 4




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 Page: 4 of 4




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www.gamcorp.com.au melbourne@gamcorp.com.au
 Suite 4, 346 Ferntree Gully Rd, Nesting Hill VIC 3168
 Tel: 03 9543 2211 Fax: 03 9543 4046



Our Ref: 3344-GM-U1 / LvS
 11 July 2017

XIAMEN GOOMAX ENERGY TECHNOLOGY CO.,LTD
 Suite 905, Jordan Building, High-tech Park, Hull District
 Xiamen, China

Array Frame Engineering Certificate

RE: Single Pole GM Solar system (single support) – assessment for wind regions A in Australia and New Zealand

Gamcorp (Melbourne) Pty Ltd, being Structural Engineers within the meaning of Australian and NZ Building Regulations, have carried out a structural design check of the Single Pole GM Solar system (single support) within Australian and New Zealand's wind region A. The design check has been based on the information and drawings of the system and its components, provided by Xiamen Goomax Energy Technology Co.,LTD.

We find the Single Pole GM Solar system (single support) to be structurally sufficient for Australian and New Zealand use, based on the following conditions:

- Wind Loads to AS/NZ1170.2:2011, Amendment 3-2012:
 - Wind Terrain Category 2;
 - Wind average recurrence interval of 500 years (VR=45m/s);
 - Wind region A;
- Solar Panel length 1.64m, width 0.992m, mass 19kg;
- Tilt angle 30 degrees;
- Frame material: Q235 for the post, other members Aluminium AL/6005-T5;
- Maximum frame spacing S=3.2m* and possible footing options:
 - 1) driven post, L=2.5m in soil**;
 - 2) post embedded in concrete pier ø300mm, 1.5m in soil**.

Notes:

- This certification is applicable for Single Pole GM Solar system (single support) with dimensions as shown on page 2 of this letter. Contact Gamcorp for customised system or if the site conditions do not covered by the soil classes considered in this assessment.
 - For concrete piers foundation use 25 MPa strength concrete (minimum).

*The maximum frame spacing is based on the structural capacity of the frame in the edge (perimeter) zone of array. We recommend to perform tests on site for the geotechnical capacity of the driven post. The spacing may need to be decreased to achieve the available geotechnical capacity of the driven post following from the test results.

**Footing option 2 recommended for 'Firm' soils with allowable end bearing capacity of 100 kPa (clay sands, sandy clays, damp sands). Other piers sizes are possible. Contact Gamcorp for site specific conditions (to find out whether a more cost effective solution is possible).

Construction is to be carried out strictly on accordance with the instruction manual. This work was designed in accordance with the provisions of Australian Building Regulations and in accordance with sound, widely accepted engineering principles.

Yours faithfully,
 Gamcorp (Melbourne) Pty Ltd

M. Gamble	L. Van Spaandonk
Managing Director	Principal Engineer
MAICD	MIEAust NER

ISO 9001:2008 Registered Firm
 Certificate No: AU1222



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 Suite 4, 346 Ferntree Gully Rd, Nesting Hill VIC 3168
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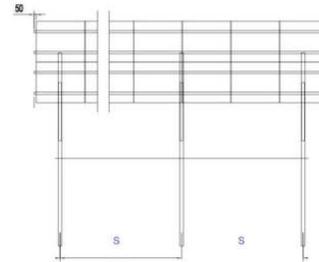


Fig. 1

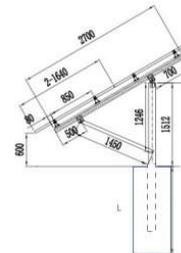
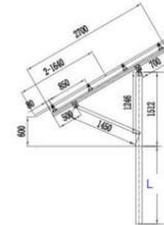


Fig. 2

Attachments:
 5 drawings with member sections.

ISO 9001:2008 Registered Firm
 Certificate No: AU1222

IQNet
THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CQM has issued an IQNet recognized certificate that the organization:

Goomax Metal Co.,Ltd., Fujian

For the subsidiary site and certification scope to the attachment
has implemented and maintains a

Occupational health and safety Management System
which fulfils the requirements of the following standard:

OHSAS 18001:2007
Issued on: 2018-06-19
Expires on: 2021-03-11

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand alone document

Registration Number: CN-00218S11370R2M

Alex Stoichititu
General Manager of CQM

Ji XiaoDong
General Manager of CQM

IQNet Partners*
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IQNet
THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CQM has issued an IQNet recognized certificate that the organization:

Annex (1) to IQNet Certificate Number CN-00218S11370R2M

Organization	Certification Address(Past Code)	Product and its process
Goomax Metal Co.,Ltd., Fujian	Gumei Industrial Zone, Meiyang Village, Dongtian Town, Naitan, Fujian, P.R.China(362303)	Design, production and relevant management activities of aluminum alloy profiles(substrate, anodized profiles, electrophoresis coating profiles, powder coating profiles, thermal profiles)
Goomax Metal Co.,Ltd., Fujian	Liantang Section, Nantong Highway, Ximei Sub-district, Naitan, Fujian, P.R.China(362300)	Production and relevant management activities of decorative stainless steel pipe, bracket for solar power station

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Issued on: 2018-06-19
Expires on: 2021-03-11

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand alone document

Alex Stoichititu
President of IQNet

Ji XiaoDong
General Manager of CQM

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CERTIFICATE

Occupational Health and Safety Management Systems Certificate

Certificate Number: 00218S11370R2M
CQM hereby certifies that

Goomax Metal Co.,Ltd., Fujian

United Social Credit Code:9135052759920194
Domicile: Gumei Industrial Zone, Meiyang Village, Dongtian Town, Naitan, Fujian, P.R.China

has implemented and maintains a Occupational Health and Safety Management System which fulfils the requirements of the following standards

GB/T 28001-2011/OHSAS 18001:2007
Occupational health and safety management systems—Requirements

For the subsidiary site and certification scope to the attachment

Issued on: 2018-06-19
Effective date: 2018-06-19
Validity Date: 2021-03-11
Registration Number: CQM-35-2006-0137-0003

The validity of the certificate can be checked on www.cqm.com.cn, Copyright © Certification and CQM website

Alex Stoichititu
President of IQNet

Ji XiaoDong
General Manager of CQM

CHINA QUALITY MARK CERTIFICATION GROUP
Address: No.33, Zhongguo Road, Haidian District, Beijing, 100080, P.R. China
http://www.cqm.com.cn

CERTIFICATE

Occupational Health and Safety Management Systems Certificate

Attachment (Page 1 of 1)
Certificate Number: 00218S11370R2M

Organization	Certification Address(Past Code)	This certificate is valid to the following product/processes
Goomax Metal Co.,Ltd., Fujian	Gumei Industrial Zone, Meiyang Village, Dongtian Town, Naitan, Fujian, P.R.China(362303)	Design, production and relevant management activities of aluminum alloy profiles(substrate, anodized profiles, electrophoresis coating profiles, powder coating profiles, thermal profiles)
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Alex Stoichititu
President of IQNet

Ji XiaoDong
General Manager of CQM

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