

QUALITY CONTROL

How does REBEL STEEL address Quality Control ?

Our main steel supplier, (Kirby South East Asia Co. Ltd, holds 3rd party accreditation to ISO 9001:2008. Certificate No. 682302 (copy attached)

- All our structural steel will be inspected and certified by our own engineers in Australia.
- All our structural steel will be 300+ grade steel (meeting or exceeding Australian requirements)
- Kirby Building Systems engineered and designed buildings will meet or exceed Australian standards
- Any redesign done by Kirby Building Systems will be checked and certified by our engineers in Australia.
- Mill certificates for steel supplied are issued as well as full weld test reports.

REBEL STEEL works to the Standards as per the attached list.

QUESTION :: What experience does REBEL STEEL have ?

The three main players in REBEL STEEL have in excess of 100 years first hand experience in Property Development, Building and the Steel Fabrication Business.



CERTIFICATE OF REGISTRATION

The Management System of

KIRBY SOUTHEAST ASIA CO., LTD.

Road No. 8, Nhon Trach III IZ, Nhon Trach District, Dong Nai Province, Viet Nam

has been assessed and complying with

ISO 9001:2008

for the following activities

**Manufacture and Supply of Pre Engineering
Steel Building and Accessories**

Date of Issue: 10 March 2011

Date of Expiry: 09 March 2014

Initial Certification: 10 March 2011

Certificate No. 682302

The validity of this certificate can be verified from the following website

www.gicg.co.uk

A handwritten signature in black ink, appearing to be 'GICG', written over a horizontal line.

Guardian Independent Certification Ltd

Registered in England

Sovereign House 212-224 Shaftesbury Avenue London England WC2H 8HQ





Accredited by Member of the IAF MLA



127975

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ORIGINAL

1. Exporter: JINAN IRON AND STEEL CO., LTD 21 GONGYERU ROAD, JINAN, CHINA		Certificate No. CCPIT 100615330		
2. Consignee: TO ORDER OF HAWHENG STEEL (VIETNAM) CO., LTD		CERTIFICATE OF ORIGIN OF THE PEOPLE'S REPUBLIC OF CHINA		
3. Means of transport and route: SHIPMENT FROM YANCHAI FORT, CHINA TO YUENH STEEL PORT, VIETNAM BY SEA		5. For certifying authority use only		
4. Country/region of destination: VIETNAM				
6. Marks and numbers:	7. Number and kind of packages, description of goods:	8. H.S. Code:	9. Quantity:	10. Number and date of invoice:
MARKS: SIZE/STEEL GRADE/ LOT/NO/PRODUCER'S NAME/PROBIECES SYMBOL:	101 PIECES (BY ONE THOUSAND SIX HUNDRED AND NINETY ONE) ONLY OF HOT ROLLED STEEL PLATE OUTER BOX	72.08	227.496MTS	J002B341CC JIN 20.2016
		SAO Y BAN CHINH Ngày 21 tháng 01 năm 2016		
GIAM ĐOC <i>Phu Phong Ho</i>				
11. Declaration by the exporter: The undersigned hereby declares that the above details and statements are correct and that all the goods were produced in China and that they comply with the Rules of Origin of the People's Republic of China.		12. Certification: It is hereby certified that the declaration by the exporter is correct.		
JINAN IRON AND STEEL COMPANY LTD 济南钢铁股份有限公司  Authorized signatory				
JINAN CHINA JUN 20 2016 Place and date, signature and stamp of authorized signatory		JINAN, CHINA JUN 20 2016 Place and date, signature and stamp of certifying authority		



ULTRASONIC EXAMINATION REPORT

Report No. : UT/ 48 /11
 Procedure No : QCM-08
 Date : 10/06/2011
 Page : 1 of 1

JOB No.: 155A		Part Name: BEAM	
Examination Code: AWS D1.1 - 2008		Welding process: FCAW	
Ultrasonic Flaw Detector	Probe	0°	45° 60° 70°
			Calibration & Reference block
Brand: OLYMPUS	Brand/ Model	PANAMETRICS	
Model: Epoch LTC	Wave	5920	3240 3240 3240
Serial: 080054107	Serial	638825	637984 637595 636193
Cable: Lemo - Lemo	Frequency	2.25MHZ	4MHZ 4MHZ 4MHZ
Couplant: Glycerin/ Cellulose	Size	0.5 in. Dia.	8 x 9 8 x 9 8 x 9

MATERIAL INFORMATION

Surface Condition: GOOD	Preparation: GRINDING	Material of base metal: Q345B	Drawing No: 73,55,56
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EVALUATION

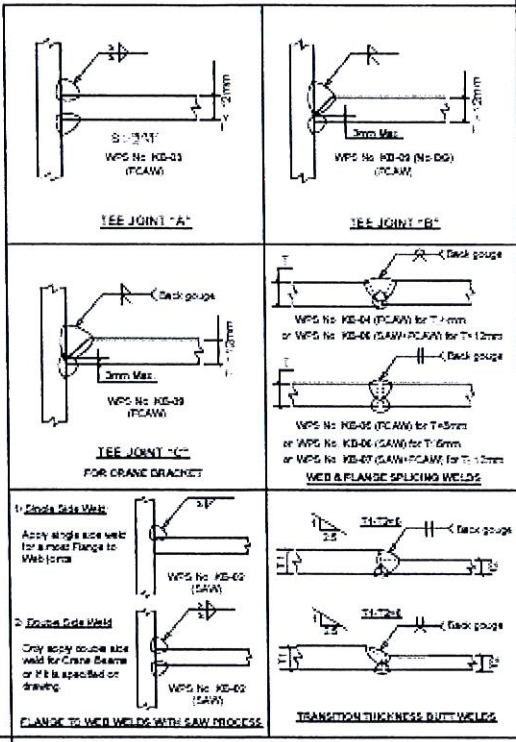
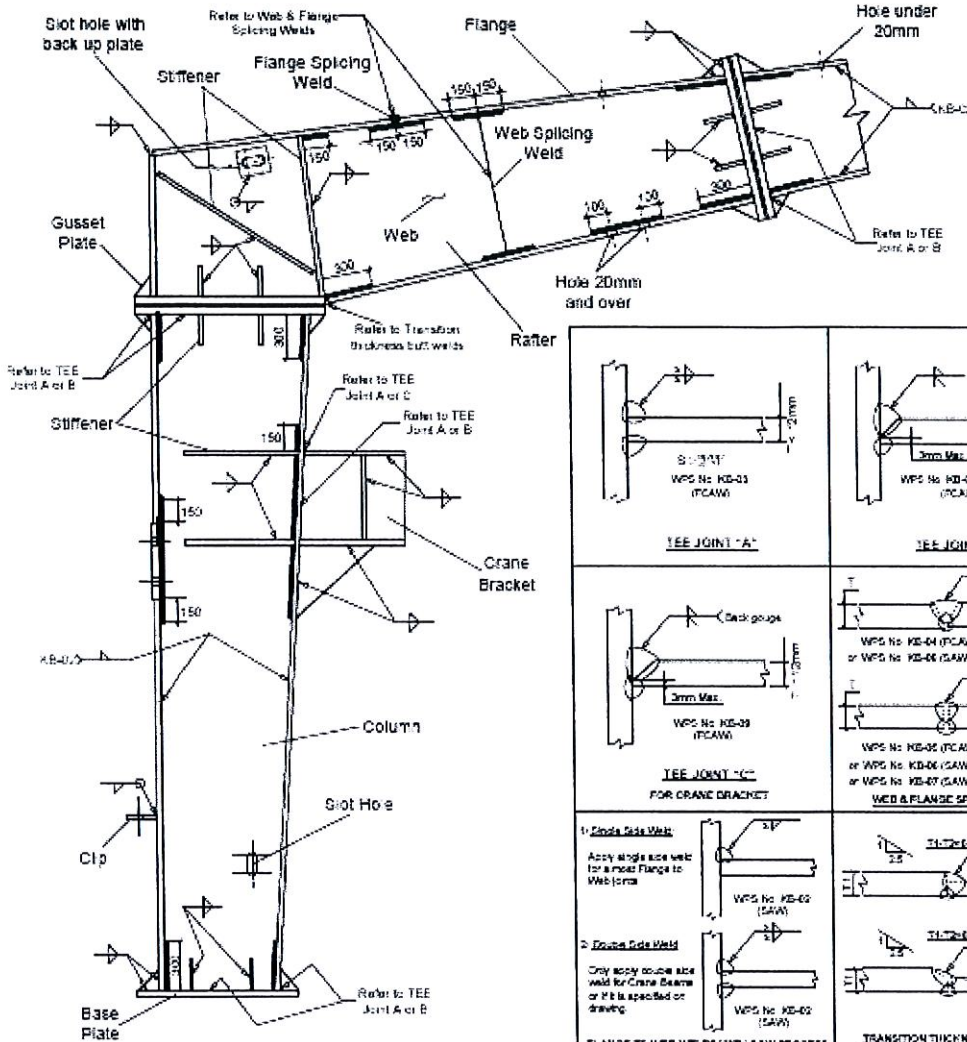
Part No / Sl. No	Joint	Welder No	Thk. (mm)	Indication Amplitude (dB)				Location	Length (mm)	Indication rate Type				Comment		Remarks
				a	b	c	d=a-b-c			A	B	C	D	Acc	Rej	
B73-1	BW	439	-	-	-	-	-	-	-	-	-	-	-	Acc		
B73-2	BW	111	-	-	-	-	-	-	-	-	-	-	-	Acc		
B55-1	BW	469	-	-	-	-	-	-	-	-	-	-	-	Acc		
B55-2	BW	236	-	-	-	-	-	-	-	-	-	-	-	Acc		
B56	BW	115	-	-	-	-	-	-	-	-	-	-	-	Acc		

NOTE:

BW: Butt Welds (include: Web to Web, Flange to Flange).
 FW: Fillet Welds (include: Web to Flange, Web to Base plate and Flange to Base plate).
 Acc: Accepted.
 Rej: Rejected.

Evaluated by: KIRBY SOUTH EAST ASIA Name: Nong Duc Bien ASNT-SNT-TC-1A/UT LEVEL II Signature: Date: 11/06/2011	 Reviewed/Approved by Customer (If Applicable): Name: Signature: Date:
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MAIN FRAME

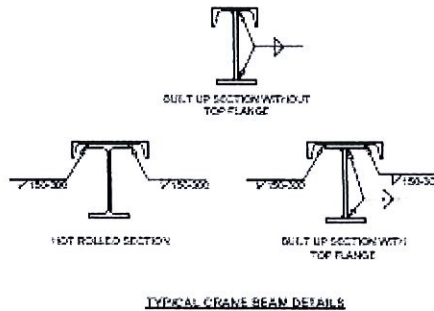


MINIMUM FILLET WELD SIZES

Thickness of thicker plate (T) (mm)	Minimum size of fillet weld (S) (mm)
$T \leq 6$	5
$6 < T \leq 12$	5
$12 < T \leq 20$	6
$20 < T$	8

Notes:

1. Reference Table 5.8 - AWS D1.1 - 2008
2. Fillet size need not exceed the thickness of the thinner part to be joint



TYPICAL CRANE BEAM DETAILS

GENERAL NOTES

1. All units on this drawing are expressed in Millimeters
2. All fillet weld sizes should meet the requirement of AWS D1.1 - Table 5.8 (except Tee joint 'A')
3. All butt welds must be full penetration
4. Welds shown on specific shop details shall supersede this drawing for particular detail only



KIRBY SOUTH EAST ASIA Co. LTD

Prepared by
Date: 08 Dec 2010
Job No: S-TD

TITLE

WELD MAP & JOINT DETAILS

Approved by
Date: 08 Dec 2010
DWG No: WSD-001

Scale
Rev No: 2

APPLICABLE STANDARDS

The buildings included in this proposal will be fabricated in accordance with the **Latest Australian Codes** described as follows :

Structural Design

Buildings will be designed and certified in accordance with **AS 4100**

Structural design actions – General Principals **AS 1170**

All Designs and Structures will be certified by our qualified engineers.

Structural Steel

All Structural Steel shall be in compliance with **AS 1163 C300+**

Cold formed Steel

Cold formed steel shall be in compliance with **AS 4600**

Structural Steel Welding

Structural steel welding will be in accordance with **AS 1554 Class 1** .

Metal Finishing

Where required – preparation and re-treatment of Surfaces will be in accordance with **AS 1627**

Design and installation of Sheet Roofing and Wall Cladding

Design and installation will be in accordance with **AS 1562**.

Roof and Wall Cladding

Roof and Wall Cladding will be in accordance with **AS 1397- Substrate**
and **AS 2728 – Paint Coating**

Erection of Steel

Erection of all steel will be in accordance with **AS 3828-1998**.

Rebel Steel Consultant Team

Structural Engineering

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Associate Director
Australian Consulting Engineers
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Design and Drafting Services

David Wang
WFJ Engineering Pty Ltd
Tel: 02 8004-0741
Fax: 02 9957-4237
Mob: 0425-226-189
Email: wfjeng@ozemail.com.au

Metallurgical Services (we send a welding specialist to oversee fabrication)

Rizwan Ali
Managing Director
ARL Laboratory Services Pty Ltd
Ph No: 61(0) 2 9737 9686
Fax No: 61(0) 2 9737 9721
Mob No: 61(0) 400 379 686
Email: rizwan@arllabservices.com.au
Web: www.arllabservices.com.au

Rigging Services

Stan Beard
Managing Director
Penrith Rigging Pty Ltd
138 Wilson Rd Hinchinbrook
NSW 2168 Ph: 0418 278 197

Rebel Steel References

Gibson Avenue, Padstow

- Two large factory units, total building area about 4500 SQM on Gibson Avenue, Padstow, approx. 130Metric tons of Fabricated steel, tilt-up construction.
Contact:- Harry Hanna 0404 025 988

Gatwood Cl, Padstow

- One free standing factory, approx. 2200 SQM, tilt-up construction, approx. 60 Metric tons of fabricated steel.
Contact:- Mousa Nader:- 0414 867 845

Eastern Creek, GMW

- A recycling facility building, approx. 8200SQM + large awnings etc. building area is 51M X 160M approx. 14M Apex,
Contact:- Jason French:- 0402 047 930

Buddhist Temple, Schofields

- Buddhist Temple : Approx 40 Metric tons
Contact: Ranji Premaratne - 0421 554 588