

Inspection Order No. :

BOSS No. :

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Date of issue: Dec 15, 2015

INSPECTION REPORT

(non-negotiable)

- Description and Quantity of Commodity(as per PI declared):

Galvanized steel pipe / 1500pcs

- Name & Address Of Buyer:

- Name & Address Of Seller:

RELIANCE METAL RESOURCE CO.,LTD
Hi-Tech Building C, #909, Nankai District Tianjin, China

- Inspection Date & Place:

Dec 15th, 2015, Tianjin city, China;

- Packing list No.:

PL744, Date: Dec, 9th, 2015

-Performa Invoice:

20151110744 Date: Nov 10th, 2015

- Nature Of Inspection:

Item	Comment
Quantity check	Acceptable with note
Packing check randomly	Acceptable
Marking check randomly	Acceptable
Visual quality check randomly	Acceptable
Dimension check randomly	Acceptable
Zinc thickness check	Acceptable
Loading supervision	Acceptable
Gross weight check	Subjected to buyer's evaluation

- Inspector:

Jimmy Zhao

Jimmy Zhao

- Reviewed by

Willow

Willow Liu

This is to report that we, SGS-CSTC Tianjin Branch at the request of [RELIANCE METAL RESOURCE CO., LTD]conducted the following inspection:

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SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd.

Industrial Service

[V: 00 Nov.2012]

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Member of the SGS Group (Société Générale de Surveillance)



Instrument checklist

During the inspection, the following instrument calibration status has been checked for inspection:

Inner equipment

No.	MEASURING INSTRUMENT DESCRIPTION (Including measuring range and equipment No.)	CALIBRATION STATUS	CERTIFICATE NO. (OPTIONAL)
1	Steel tape (IND-TJ-JC20m-12)	EFFECTIVELY	EFFECTIVELY
2	Vernier caliper (IND-TJ-KC-17)	EFFECTIVELY	EFFECTIVELY
3	Micrometer (IND-TJ-WJ-03)	EFFECTIVELY	EFFECTIVELY
4	Paint film thickness gauge(IND-TJ-TC-05)	EFFECTIVELY	EFFECTIVELY

Inspection Finding:

1. Quantity Check:

- Reference documents:
 - Packing list: PL744, Date: Dec, 9th, 2015
- Method of quantity check
 - Quantity check by bundles totally and inner pieces check randomly.
 - Sample size: ANSI/ASQ Z1.4-2008 S-4, according to actually bundles, total 17 bundles.

The cargos were storage in warehouse when SGS inspector arrived at inspection location, quantity check was performed by SGS inspector as per packing list provided by client, actual finding as follow table:

Item	Galvanized steel pipe (mm)	Sample size (bundles)	Bundle quantity		Inner quantity		Total quantity (pcs)	
			Req. quantity (bundles)	Act. quantity (bundles)	Req. Quantity/bundle (pcs)	Act. Quantity/bundle (pcs)	Req. quantity	Act. quantity
1	60x4.5x5800	2	N/A	8	N/A	61	500	500
			N/A	1	N/A	12		
2	48.3x4.0x5800	2	N/A	11	N/A	91	1000	1001

Note : for size 48.3x4.0x5800 total 1001 pcs which is 1 piece more than the required quantity.

Result: The result of quantity check was acceptable with above note.

2. Packing check

- Sample size:
 - ANSI/ASQ Z1.4-2008 L-II, according to actually bundles, total 6 bundles.
- Reference documents:
 - Performa Invoice: 20151110744, Date: Nov 10th, 2015

Packing check was performed by SGS inspector randomly, actual finding were as below:

- ✓ The pipes were packed in bundles and fastened by galvanized steel strips at 4 different portions (3 steel strips at both bundle ends, 2 steel stripes at body of the bundle).
- ✓ No other packing was found, such as waterproof cloth, lifting belt etc.

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Result: The result of packing check was acceptable due to no specific requirements from client.

3. Marking check

- ♦ Sample size:
 - ANSI/ASQ Z1.4-2008 L-II, according to actually pieces, totals 130pcs.
- ♦ Reference documents:
 - Performa Invoice: 20151110744, Date: Nov 10th, 2015

No marking was found on pipe body during the inspection.

Result:

- ♦ The result of marking check was acceptable due to no specific requirements form client.

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4. Dimension check:

- ♦ Sample size:
→ ANSI/ASQ Z1.4-2008 S-4, according to actually pieces, total 33 pieces.
- ♦ Reference documents:
→ Performa Invoice: 20151110744, Date: Nov 10th, 2015

During the inspection, dimension check was performed randomly by SGS inspector, the selected pipes were marked by SGS inspector with No.1~No.33.

Actual finding were as follow table:

Item	Specification (mm)	Sample size (quantity/samples)	Outer diameter Pipe ends (mm)	Wall thickness (mm)	Length (mm)
Acceptable Tolerance			± 0.3	± 0.2	± 20
1	60x4.5x5800	500pcs / 13pcs	60.0~60.2	4.4~4.5	5805~5810
2	48.3x4.0x5800	1000pcs / 20pcs	48.3~48.4	4.0~4.1	5805~5810

Note:

1. The dimension check was performed on the pipes which were necessary and available, according to practical situation on site due to supplier did not open the packing.
2. The length of the pipe was measured from one side end to another end along the pipe body with steel tape.
3. Four measured points were selected randomly for thickness check at pipe ends with micrometer.
4. Two measured points were selected randomly for outer diameter check at pipe ends with vernier caliper.

Result:

- ♦ The result of dimension check was acceptable according to requirements of Performa Invoice.

5. Visual Quality Check:

- ♦ Sample size:
→ ANSI/ASQ Z1.4-2008 L-II, according to actually pieces, totals 130pcs.
- ♦ Reference documents:
→ Performa Invoice: 20151110744, Date: Nov 10th, 2015

During the inspection, visual quality check was performed randomly by SGS inspector. Actual finding were as below:

- a) The pipes were silvery color and plain ends.
- b) An internal visible weld seam was found on every inspected pipe.
- c) No other visible defects, such as damage, crack, deformation, etc. were found during the inspection.

Result:

- ♦ The result of visual check was acceptable due to no other specific requirements from client.

6. Zinc thickness check:

- ♦ Sample size:
→ ANSI/ASQ Z1.4-2008 S-4, according to actually pieces, total 33 pieces.
- ♦ Reference documents:
→ Performa Invoice: 20151110744, Date: Nov 10th, 2015

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During the inspection, Zinc thickness check was performed randomly for the pipes by SGS inspector. Actual finding were as follow table:

Item	Specification (mm)	Sample size (quantity/samples)	Zinc thickness (um)
Acceptable Tolerance			≥30.8um
1	60x4.5x5800	500pcs / 13pcs	36.9~69.5
2	48.3x4.0x5800	1000pcs / 20pcs	34.8~57.1

- Note:
1. The Zinc thickness was checked by paint film thickness gauge.
 2. The tolerance of Zinc thickness was calculate by 220g/m²

Result:

- The result of Zinc thickness check was acceptable according to requirements of Performa Invoice.

7. Loading supervision:

The above commodities were stuffed into 2x20FT containers under SGS supervision as following details:

No.	Container No.	Size.	Shipping Co. Seal No.	SGS Seal No.	Quantity of bundles
1	CMAU1196192	22G1	D8363216	B3493373	10
2	ECMU1868371	22G1	D8363212	B3394621	10

Remark:

- The result of loading supervision was subject to the client's evaluation as no detail requirements was provided .

8. Gross weight check:

SGS inspector witnessed weight check process and actual finding as below table:

Truck No.	Empty weight (kg)	Filled with goods (kg)	Gross weight (kg)
1	17060	59930	42870
Total			42870

Remark:

1. **The supplier/manufacturer did not submit the calibration certificate of weighbridge. so the above weight value was just for reference and SGS inspector can not verify the actual weight value.**

Result:

- The result of gross weight check was subjected to buyer's evaluation due to above comments

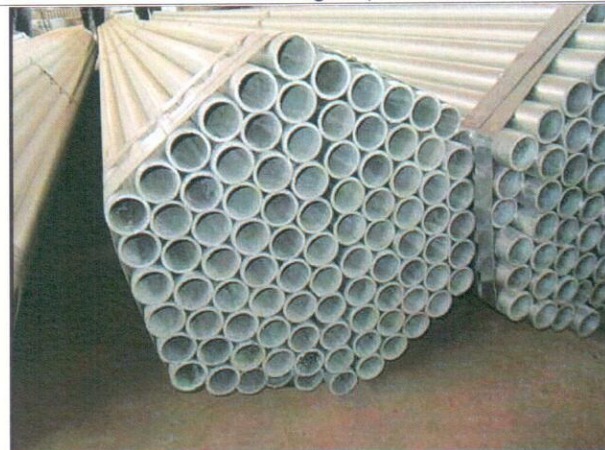
In accordance with Client's instructions, the Company's involvement has been limited to witnessing/observing a third party's intervention(s) at the third party's laboratory/test house or other facilities and installations used for the intervention(s). The Company's sole responsibility was to be present at the time of the third party's intervention(s) to forward the results, or confirm the occurrence, of the intervention(s). The Company is not responsible for the condition or calibration of apparatus, instruments and measuring devices used, the analysis methods applied the qualifications, actions or omissions of the third party's personnel or the analysis results.



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THIS REPORT ONLY REFLECTED OUR ACTUAL FINDINGS. THE INSPECTION WAS DONE TO THE BEST OF OUR KNOWLEDGE AND ABILITY AND WITH DUE CARE. THE FINDINGS ARE VALID AS FOR TIME AND PLACE OF INSPECTION.

Attachment: Photos during inspection



Quantity check



Quantity check



Visual quality check



Visual quality check

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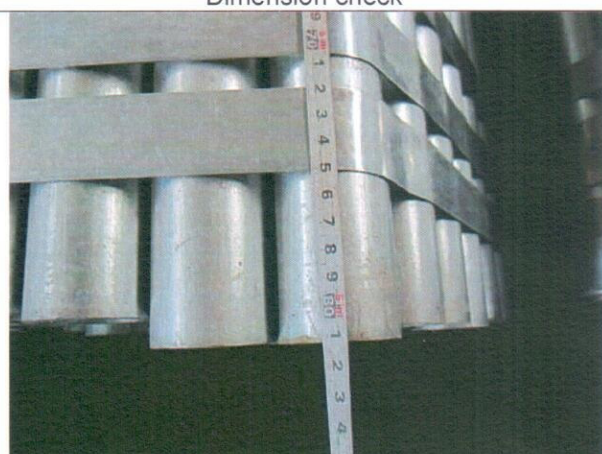
Dimension check



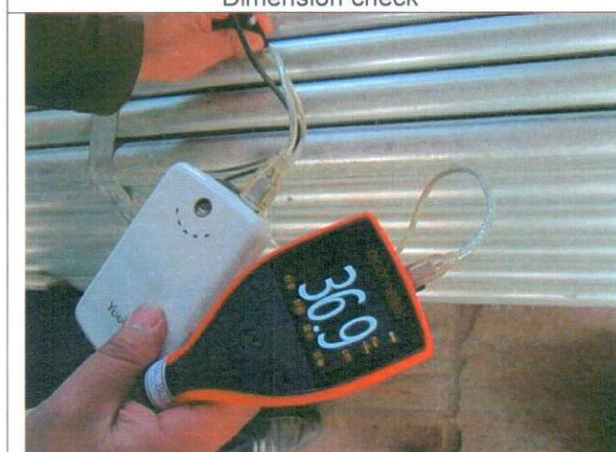
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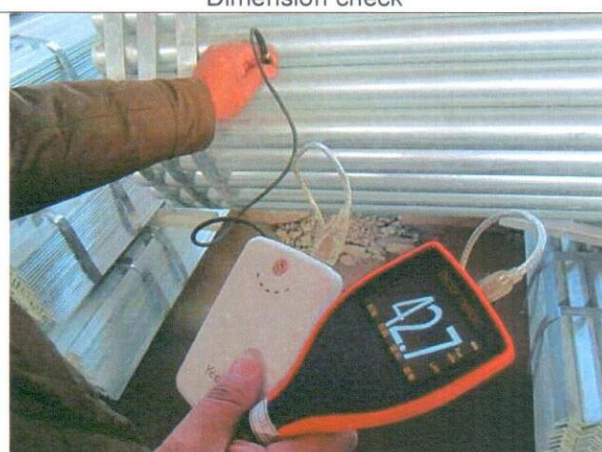
Dimension check



Dimension check



Zinc thickness check



Zinc thickness check

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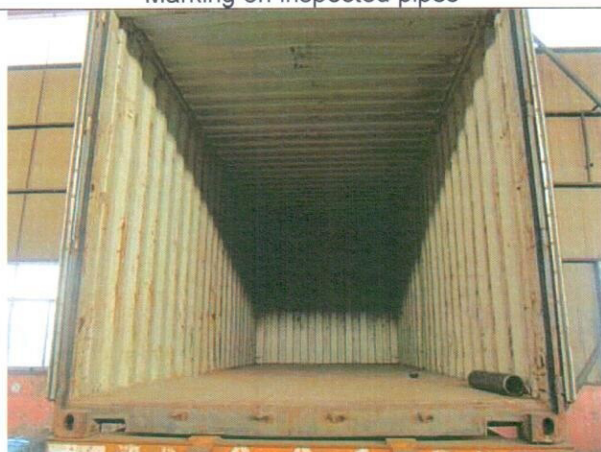




Marking on inspected pipes



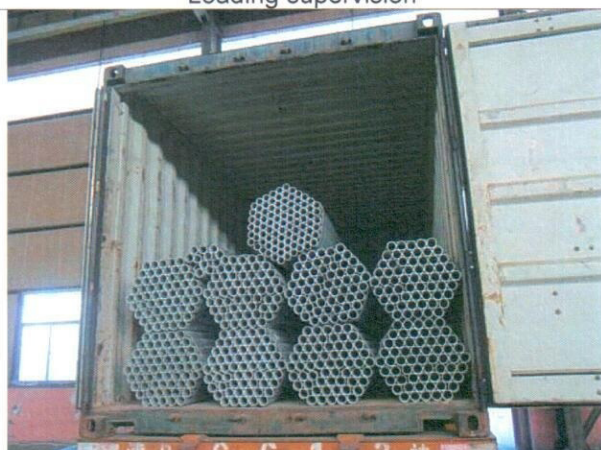
Marking on inspected pipes



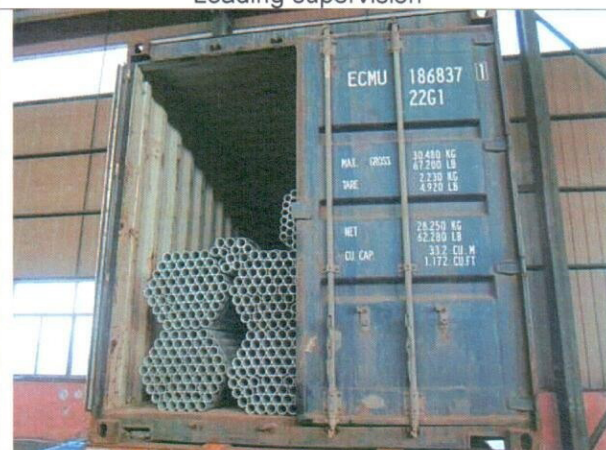
Loading supervision



Loading supervision



Loading supervision



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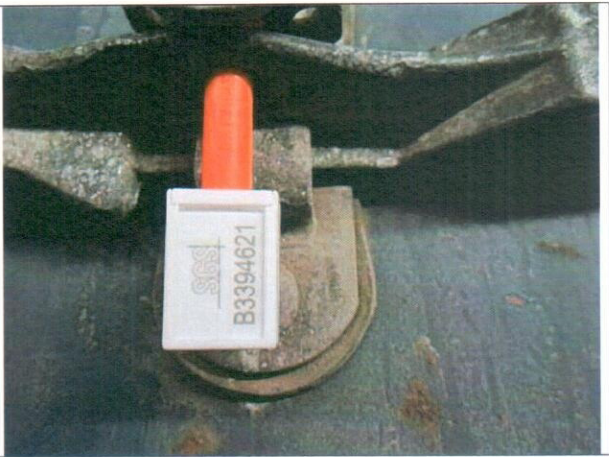
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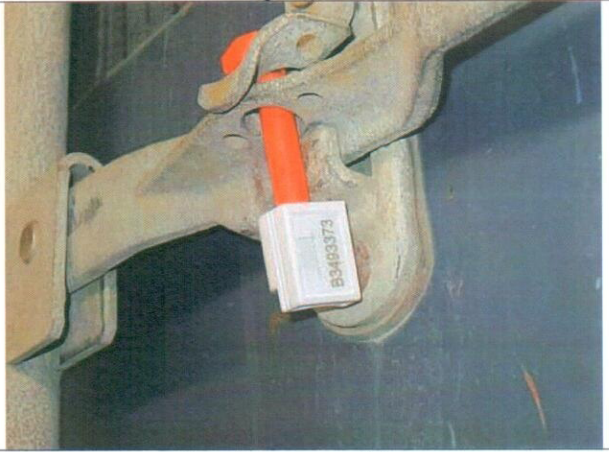
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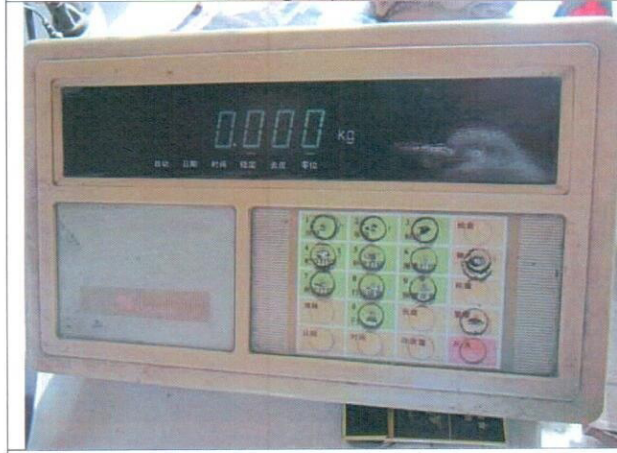
Loading supervision



Loading supervision



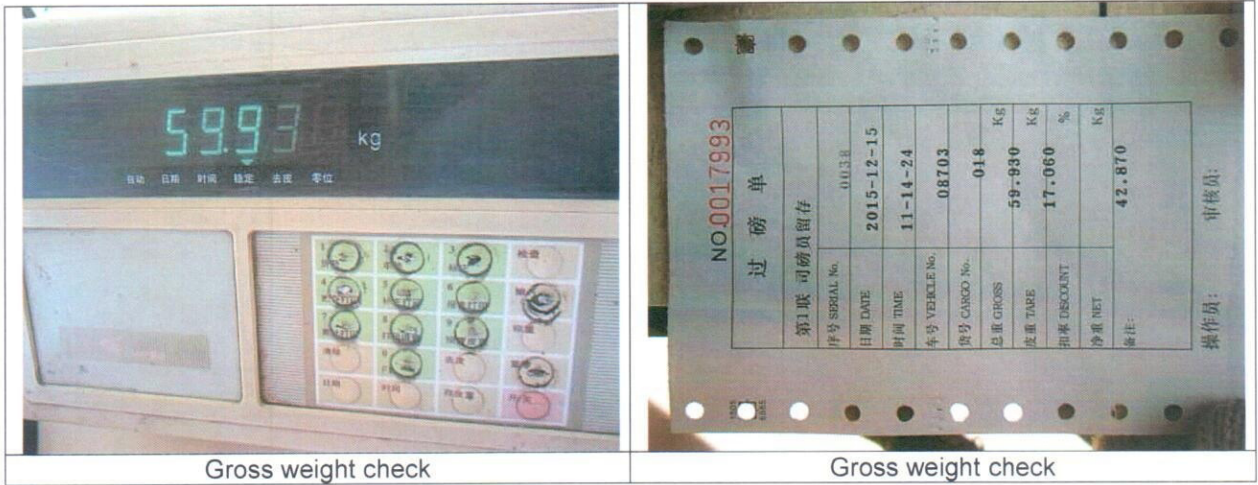
Loading supervision



Gross weight check



Gross weight check



End of report

FOR AND ON BEHALF OF
SGS-CSTC STANDARDS
TECHNICAL SERVICES CO., LTD.



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