

1) Qty 1 = Sample 1 = S235 TS = 420
 YS = 275
 2) Qty 1 = Sample 2 = S275 TS = 430
 YS = 275
 3) Qty 1 = Sample 3 = S235 TS = 420
 YS = 275

JOB NO: 190420-
 REPORT NO:

MECHANICAL TESTING CONSIGNMENT NOTE

From / Customer : LMC Engineering Sdn Bhd Date : 24.01.2019
 Tel. No. / Fax No. : 03 56366122 - 013 276 8877 Quantity of Sample Sent : 3
 Project : EFT - Grand Capito

To carry-out Mechanical Testing as follows :-

- 1. Tensile Test : 1) Sample 1 : TS = 420
YS = 275 (Longitudinal / Transverse / Through Thickness / All Weld / Subsize / Rebar)
- 2. Shear Test : 2) Sample 2 : TS = 430 Overlay Bolt Others: _____
YS = 275
- 3. Bend Test : 3) Sample 3 : TS = 420 Face Root Side
YS = 275
- 4. Charpy Impact Test : BM YS = 275 HAZ FL FL + 1 FL + 2 FL + 5
 Test Temperature : _____ °C

5. Hardness Test : _____ HV HB HRC Location: Cross-sectional / Surface

- 6. Macro Etch : _____
- 7. Microstructure : _____
- 8. Nick Break / Fracture Test : _____
- 9. Proof Load Test (Bolt/Nut) : _____
- 10. Flattening Test : _____



16. NDT
 i. RT: X-RAY Gamma Ray Film: _____
 ii. DPT iii. MPI iv. UT
 17. PWHT : _____ (Please fill up the PWHT Form)
 18. Others Testing : _____
 (Please Specify)

- 11. Flaring / Drift / Ring-Expanding Test : _____
- 12. Chemical Analysis : _____ Spectrometer XRF Elements: _____
- 13. Corrosion Test : ASTM G 48 (A) ASTM A 262 (A / B / E) Others : _____
- 14. Ferrite Count : Metallography ASTM E 562 Ferritescope
 (Manual) (Machine)

- 15. Other Details : a) WPS No. / Heat No. / Sample ID : N/A
 b) Sample Description : G-Chain / Angle 100 x 50
 c) Material Specification / Grade : Sample 1 = 235 2 = 275 3 = 235
 d) Material Thickness / Diameter : 5mm thk
 e) Welding Process : N/A
 f) Weld Configuration : N/A
 g) Weld Position : N/A
 h) Welder's Name / Particular : N/A
 i) I/C No. / Welder No. : N/A
 j) Test Method / Test Specification : N/A

19. Witness By (if any) : _____ 20. Testing Date : _____

NOTE : Customer shall be responsible to collect the remaining test sample within 14 days, otherwise it shall be disposed without notice

REQUESTED BY : (Customer) Signature :  Name : YONG KAR YORN Contact No. / Email : Assistant Project Manager LMC ENGINEERING SDN BHD (please cop and sign) 013 276 8877	RECEIVED BY : (NUSATEK) Signature :  Name : _____ Date : <u>24/1/19</u> (please cop and sign)
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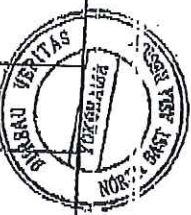
INSPECTION CERTIFICATE

Certificate No. : H54514970001
 Order No. : 5830085
 Contract No. : 01-B02-00026
 Specification : MS EN 10025-2-S275-JR+AR
 Commodity : C-CHANNEL
 Project Name :
 Purchaser : METAL ONE CORPORATION
 Agency :
 Customer :
 Destination :
 Date : 18. MAR. 2016
 Page(s) : 1

OSAKA STEEL CO., LTD.
 HEAD OFFICE
 6-1 DOSHU-MACHI 3-CHOME, CHUO-KU, OSAKA 541-0245, JAPAN
 FAX NO. 06-6244-0000
 SAIGAI WORKS
 1-CHIKO-YAMATA-ARACHI, SAKAI-SHI, OSAKA 590-0001, JAPAN

DI 16040770

Dimensions	Quantity (P.)	Mass (kg)	Heat No.	Chemical Composition (%)											Tensile Test			Impact Test	
				C x100	Si x100	Mn x100	P x100	S x100	Cu x100	Ni x100	Cr x100	Mo x100	N x1000	CEV x100	Yield	TS	EL		
75X40X5	360	39840	120472	10	24	58	25	15	15	5	20	2	6	38	25	290	458	37	104
75X40X5	192	7968	120472	10	24	58	25	15	15	5	20	2	6	38	25	289	455	33	104
100X50X5	340	30349	120471	9	18	53	25	23	21	7	22	2	7	95	25	317	454	41	79
100X50X5	336	22255	120547	10	20	52	25	25	18	8	20	2	6	102	25	304	449	40	92
125X65X6	384	36374	120703	11	20	50	23	19	16	7	19	2	6	89	25	307	457	33	128
125X65X6	120	14320	119875	10	19	49	25	19	18	7	18	2	5	106	24	326	470	34	152
150X75X9	96	20736	119857	10	17	49	25	21	20	7	19	2	5	101	24	307	442	36	122
150X75X9	708	31104	120536	11	19	49	24	22	19	8	22	3	7	107	24	289	447	34	126
Σ TOTAL	2796	197645																	



REVIEWED
 WITNESSED
 Bureau Veritas Japan
 S. SHIRASAKA

Leader of Quality Control Group
 KOICHIRO ISHIZAKA

TYPE OF INSPECTOR CERTIFICATE: EN10204 3.1



MS
 Certified by JAS (JIS G 3102-2011)
 Certification No. JPC000949

We hereby certify that the material herein has been made and tested in accordance with the above specification and also with the requirements called for the above order.

Verified True Copy

MILL: TANGSHAN YUANDONG STEEL CO., LTD

LAOTIN VILLAGE, POUHOUR TOWN, OUBOUSS, TANGSHAN, HEBEI, CHINA. TEL NO. 0086-22-6076902

MILL'S TEST CERTIFICATE



CERTIFICATE NO.:

GT-MY-160319B

DESCRIPTION OF GOODS:

HOT ROLLED SECTION OF NON-ALLOY STRUCTURAL STEEL (C-CHANNEL)

NO.:

STANDARD:

MS EN 10925-2:2011 S235JR

SIZE (MM)	LENGTH (MM)	WEIGHT (KG)	NO. OF BUNDLES	HEAT NO.	GRADE	CHEMICAL COMPOSITION %						MECHANICAL PROPERTIES			
						C	Mn	P	S	CU	N	J.S (Mpa)	Y.S (Mpa)	EL. (%)	Bend Test
100 X 50 X 3.3 MM X 6M	6	399.806	163	YX016060134	S235JR	≤0.19	≤1.50	≤0.045	≤0.045	≤0.60	≤0.014	360-510	≥205	≥26	
100 X 50 X 5.0 MM X 6M ✓	6	99.740	37	YX016060145	S235JR	0.14	0.44	0.023	0.032	0.01	0.0042	420	215	27	
125 X 65 X 5.2 MM X 6M ✓	6	198.966	79	YX016060155	S235JR	0.17	0.42	0.021	0.032	0.02	0.0046	422	202	28	
160 X 75 X 6.5 MM X 6M	6	198.202	74	YX016060187	S235JR	0.16	0.46	0.024	0.033	0.03	0.0046	420	285	28	
150 X 75 X 6.5 MM X 12M	12	99.101	37	YX016060196	S235JR	0.16	0.44	0.023	0.031	0.02	0.0042	424	260	29	
TOTAL :		985.815	390			0.15	0.43	0.025	0.029	0.02	0.0045	421	279	28	

Certified True Copy

SIGNED BY: MS OUYANG; ISSUING DATE: 07/08/2016

STAMP OF MILL:



Signature: Ouyang

REMARKS: A. CONDITION OF SUPPLY: HOT ROLLED; B. MATERIALS DELIVERED ON THEORETICAL WEIGHT.

NOTE:
 1. NUMBER OF ORIGINAL SET: THREE (3)
 2. INVALID WITHOUT THE STAMP OF MILL AND THE SIGNATURE OF MS OUYANG; INVALID FOR COPY.
 3. PLEASE CONTACT US TO CONFIRM THE AUTHENTICITY, IF NEEDED.
 EXCLUSIVE AUTHORIZED EXPORTER (SHIPPER): TANGSHAN YUANDONG INTERNATIONAL TRADE CO., LTD
 ATN: MS OUYANG; TEL: 0086-22-60769001; E-MAIL: all@yuandong-steel.com

