

Vermont Agency of Transportation
Certification & Independent Assurance Unit
Type "D" record of certification from manufacturer

Name of Manufacturer: Independence Tube Corp NUCOR Steel Dynamics
6226 W. 74th St PO Box 2259 PO Box 13948
Address: Chicago, IL 60638 MT Pleasant, SC Roanoke, VA 24038
29465

We hereby certify: **STRUCTURAL STEEL (I-91 - BRIDGE NO. 59N)**

714 Structural Steel including bolts

In the quantity of: 1.00 LS (Plan Quantity)

Furnished by: Coastal Steel Services, LLC 423 A EAST MAIN ST.
SEASPORT, ME 04974

For use on: **13A106 0115 BRADFORD-NEWBURY IM BPNT(14)**

Identified by: HEAT NOS. 440055, 1506618, JK3414, 342861

Conforms to all requirements of the State of Vermont Agency of Transportation 2011 standard specifications, pertinent project plans, and special provisions for the above stated contract for item or items listed as follows: 506.75 and that processing, product testing and inspection control of raw materials are in conformity with all applicable specification, drawings and/or standards of all materials furnished.

Subscribed and sworn to before me

By: [Signature]
(Signature of Authorized Representative)

this 25 day of January 20 16

Name: Richard E. Nickerson
(Type or Print)

[Signature]
(Notary Public)

Title: Co-owner
(Company Status or Affiliation)

Callin B Whalen
Notary Public • State Of Maine
My Commission Expires September 5, 2019

Commission Expiring on

Certifications for materials requiring a type "C" or "D" certification, when specified by contract provisions, must be accompanied by mill test reports showing chemical and physical analyses.

This certification is to be completed by the manufacturer of the materials and not by the supplier or dealer. This certification is to be sent to:

Vermont Agency of Transportation
Materials Section
2178 Airport Rd, Unit B
Berlin, VT 05641





Independence Tube

6226 W. 74th St
Chicago, IL 60638
708-496-0380
Fax: 708-563-1950

independencetube.com
itctube.com
Certificate Number: MAR 302195

Sold By:
INDEPENDENCE TUBE CORPORATION
6226 W. 74th St.
Chicago, IL 60638
Tel: 708-496-0380
Fax: 708-563-1950

Purchase Order No: NE-490781
Sales Order No: MAR 286614 - 13
Bill of Lading No: MAR 167265 - 8
Invoice No: MAR 659777 - 6

Shipped: 6/11/2015
Invoiced: 6/11/2015

Sold To:
914 - INFRA METALS-WALLINGFORD
55 PENT HIGHWAY
WALLINGFORD, CT 06492

Ship To:
2 - INFRA-METALS (RAIL)
55 PENT HIGHWAY
TRACK #953
WALLINGFORD, CT 06492

CERTIFICATE of ANALYSIS and TESTS

Certificate No: MAR 302195

Customer Part No:

Test Date: 6/8/2015

TUBING A500C

Total Pieces Total Weight
8 6,086

8" X 4" X 1/4" X 40'

Bundle Tag	Mill	Heat	Specs	Y/T Ratio	Pieces	Weight
926657	39	440055	YLD=63600/TEN=77050/ELG=30.4	0.8254	8	6,086

Mill #: 39 Heat #: 440055 Carbon Eq: 0.3597 Heat Src Origin: MELTED AND MANUFACTURED IN THE USA

C	Mn	P	S	Si	Al	Cu	Cr	Mo	V	Ni	Cb
0.2100	0.8400	0.0160	0.0050	0.0200	0.0500	0.0100	0.0300	0.0100	0.0020	0.0100	0.0020

LEED Information (based on the most recent LEED information from the producing mill)

Method	Location	Recycled Content	Post Consumer	Post Industrial
BOF	Gary, IN	18.5%	4.5%	14.0%

Certification:

I certify that the above results are a true and correct copy of records prepared and maintained by Independence Tube Corporation. Sworn this day, 6/8/2015

WE PROUDLY MANUFACTURE ALL OUR PRODUCT IN THE USA. INDEPENDENCE TUBE PRODUCT IS MANUFACTURED, TESTED, AND INSPECTED IN ACCORDANCE WITH ASTM STANDARDS. MATERIAL IDENTIFIED AS A500 GRADE B(C) MEETS BOTH ASTM A500 GRADE B AND A500 GRADE C SPECIFICATIONS.

Mihai (Mike) Popa, Corporate Metallurgist

CURRENT STANDARDS:

-A252-10
-A500/A500M-13
-A513-13
-A53/A53M-12
-A847/A847M-14
-A1085/A1085M-15



DELIVER TO: Receiving
CAMDEN YARDS STEEL COMP

Berkeley Division of NUCOR Corporation
ISO/TS 16949 Registered

METALLURGICAL TEST REPORT

P.O. Box 2259
Mt. Pleasant, SC 29465

Nucor Steel - Berkeley
a division of NUCOR corporation

Phone: 843-336-6000
Sales Fax: 843-336-6150

Issuance Date 5/23/15 MTR# 1286156

MTR BER INQUIRIES@NUCOR.COM

Sold M AND A HOLDINGS CO LLC
To: DBA CAMDEN YARDS STEEL CO
2500 BROADWAY DRAWER 14
CAMDEN, NJ 08104

Ship CAMDEN YARDS STEEL CO.
To: 2500 BROADWAY DRAWER 14
CAMDEN, NJ 08104

Ship Date 5/23/15
Bill of Lading # 1135036
Vehicle # NYC 631705

Gauge x Width .3630 MIN X 48.0000 MIN HR HOT ROLL COIL
CONVERSION TO / ASTM A36 / REV: 2014

P/O # 005821
Mill Order # 370431-11
Part # .363X48 A36

Total Wgt 188280.00 LB

Heat	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	V	Nb	N	Ti	B	Ca
1506615	.18	.46	.011	.003	.03	.10	.03	.03	.01	.006	.026	.002	.000	.006	.001	.000	.002
1506618	.19	.49	.017	.002	.03	.09	.03	.04	.00	.005	.024	.003	.000	.006	.001	.000	.002

Heat/Coil#	YIELD STRENGTH (ksi)		TENSILE STRENGTH (ksi)		ELONGATION (% IN 2")		HARDNESS (Rockwell B)	N Value	
	long.	trans.	long.	trans.	long.	trans.		long.	trans.
1506615-4		50.1		70.4		34	71		.18
1506615-5		50.4		70.0		35	72		.17
1506618-4		49.8		70.8		32	70		.17
1506618-5		49.1		69.3		40	76		.19

Coil (tag) 1506615-7 1506615-8
(47060.00 LB) (47120.00 LB)

Coil (tag) 1506618-1 1506618-2
(47040.00 LB) (47060.00 LB)

Mill Test Reports according to EN10204 3.1

All material is sold subject to the description, specifications and terms and conditions set forth on the face and reverse side of Nucor Steel - Berkeley's sales order acknowledgment.

Tensile Testing, when applicable, is performed in accordance with ASTM A-370 specifications. Specimen is machined to standard rectangular test configuration (Figure 3 of ASTM A-370) with a 2" gage length. Yield Strength is determined at 0.2% offset.

This material has been produced in compliance with the chemistry and established rolling practices of the ordered specification. If material is ordered to a chemical composition only and if physical testing is not a requirement of the customer's order, testing is not performed by the producer.

We hereby certify the above information is correct as contained in the records of the corporation.
Kevin Skero Robert Moses ** 100% MELTED AND MANUFACTURED IN THE USA **
Hot Mill Metallurgist Chief Metallurgist

Customer Name: COASTAL STEEL SERVICE LLC
 Customer PO#: 2063
 Invoice No: 735340
 Shipper No: 713572
 Heat Number: JK3414



Steel Dynamics - Roanoke Bar Division
 P.O. Box 13848 Roanoke, VA 24038
 Office: 640-342-1831 Fax: 640-342-8437

Test and Inspection Report

NO. 94030-3
 ROANOKE

INFRA-METALS CO. - CT.

55 FENT HIGHWAY
 WALLINGFORD CT 6492-0000

Date 5/04/15

HEAT NUMBER	SIZE	1-YIELD PT. KSI	ULTIMATE KSI	ELONG 8 IN. TEST	BEND TEST	GRADE					
JK3414	ANGLES 2 1/2 X 2 1/2 X 5/16	53.7	74.3	30.3		A36/A529					
PURCHASE ORDER NUMBER	NUMBER PIECES	2-YIELD PT. KSI	ULTIMATE KSI	ELONG 8 IN. TEST	BEND TEST	GRADE					
NE-490300	50 PIECES 40'	55.7	76.5	31.0		A36/A529					
HEAT NUMBER	SIZE	1-YIELD PT. MPA	ULTIMATE MPA	ELONG 203mm TEST	BEND TEST	GRADE					
JK3414	ANGLES 63.5 X 63.5 X 7.9	370.3	512.3	30.3		A36/A529					
PURCHASE ORDER NUMBER	NUMBER PIECES	2-YIELD PT. MPA	ULTIMATE MPA	ELONG 203mm TEST	BEND TEST	GRADE					
NE-490300	50 PIECES 40'	384.0	527.5	31.0		A36/A529					
C	MN	S	P	SI	CR	NI	MO	CU	V	NB	CE
.14	1.00	.031	.010	.22	.14	.13	.04	.26	.021	.002	.41

MERCURY, RADIUM OR OTHER ALPHA SOURCE MATERIALS IN ANY FORM HAVE NOT BEEN USED IN THE PRODUCTION OF THIS MATERIAL. NO WELD REPAIR HAS BEEN PERFORMED.

Approved ABS QA Mill. Certificate No. 12-MMPQA-676

This material was melted and manufactured in the USA by basic Electric Furnace processes to meet specification: ASTM A36-14, A529-14 GR50, ASTM A572-15 GR50, A709-13A GR35 & GR50, ASME SA36-13 (01JUL13)

The tensile values stated in either inch-pound units or SI units are to be regarded as separate as defined in the ASTM scope for this material. Unless a metric specification is ordered, this material has been tested and meets the requirements of the inch-pound ranges.

This is to certify the above to be a true and accurate report as contained in the records of this company.

Engineer of Tests: Lewis E. Leftwich Jr.



Independence Tube

6226 W. 74th St
Chicago, IL 60638
708-496-0380
Fax: 708-563-1950

independencetube.com
itctube.com
Certificate Number: MAR 91465

Sold By:
INDEPENDENCE TUBE CORPORATION
6226 W. 74th St.
Chicago, IL 60638
Tel: 708-496-0380
Fax: 708-563-1950

Purchase Order No: NE-75907
Sales Order No: MAR 249017 - 1
Bill of Lading No: MAR 145160 - 5
Invoice No: MAR 610830 - 1

Shipped: 10/29/2013
Invoiced: 10/29/2013

Sold To:
914 - INFRA-METALS
55 PENT HIGHWAY
WALLINGFORD, CT 06492

Ship To:
1 - INFRA-METALS (TRUCK)
55 PENT HIGHWAY
WALLINGFORD, CT 06492

CERTIFICATE of ANALYSIS and TESTS

Certificate No: MAR 91465

Customer Part No:

Test Date: 10/21/2013

TUBING A500C

Total Pieces Total Weight
9 6,847

7" X 5" X 1/4" X 40'

Bundle Tag	Mill	Heat	Specs	Y/T Ratio	Pieces	Weight
763424	39	342861	YLD=57990/TEN=71540/ELG=34	0.8106	9	6,847

Mill #: 39 Heat #: 342861 Carbon Eq: 0.3425 Heat Src Origin: MELTED AND MANUFACTURED IN THE USA

C	Mn	P	S	Si	Al	Cu	Cr	Mo	V	Ni
0.2000	0.7900	0.0100	0.0040	0.0200	0.0500	0.0300	0.0300	0.0100	0.0010	0.0100

LEED Information (based on the most recent LEED information from the producing mill)

Method	Location	Recycled Content	Post Consumer	Post Industrial
BOF	Gary, IN	18.5%	4.5%	14.0%

MELTED & MFG USA

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