Marlboro BRF010-1(43)

TYPE III REINFORCING CERTIFICATIONS FOR ABUTMENTS 1 & 2, AND WINGWALLS 1, 2, 3 & 4

VERMONT AGENCY OF TRANSPORTATION
MATERIALS && RESEARCH SECTION
CERTIFICATION && INDEPENDENT ASSURANCE UNIT

TYPE "D" RECORD OF CERTIFICATION FROM MANUFACTURER

NAME OF MANUFACTURER: North American Stainless

ADDRESS: 10320 S. Medallion Dr., Cincinnati, OH 45241

WE HEREBY CERTIFY: **REINFORCING STEEL, LEVEL III**

IN THE QUANTITY OF: Abutment #1 & #2, Wing Wall #2, #3, & #4 18,455 LB

FURNISHED BY: Contractors Materials Company / Dimension Fabricators, Inc.
(Contractor or Supplier)

FOR USE ON: **0260 MARLBORO BRF 010-1(43)**

IDENTIFIED BY: Mill Markings

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: 507.13 AND THAT PROCESSING, PRODUCT TESTING AND INSPECTION CONTROL OF RAW MATERIALS ARE IN CONFORMITY WITH ALL APPLICABLE SPECIFICATIONS, DRAWINGS AND/OR STANDARDS OF ALL MATERIALS FURNISHED.

By:
Signature of Authorized

Subscribed and sworn to before me

CAROL A. PUGLISI
Notary Public, State of New York
No. 01PU6119884
Qualified in Schenectady County,
Commission Expires Dec. 6, 2016

Notary

Commission Expiring

JOEL C PATRIE

Name (Type or

DIMENSION FAB.

Title:

Company Status or

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 && Research Section
2178 Airport Road, Unit B
Berlin, Vermont 05641
Attention: C && IA Supervisor

TA 562
Rev 02/03

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the agent.

NAME OF CARRIER	CARRIER'S NO.	DATE	SHIPPER'S NO.
Jones Bros Trucking		6/4/14	4603

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Original Shipping Order, the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

FROM SHIPPER:
(ORIGIN)
CONTRACTORS MATERIALS COMPANY
10320 S. MEDALLION DR.
CINCINNATI, OH 45241
(513) 956-3167 (513) 956-3173

TO CONSIGNEE: Renaud Construction

STREET: Vermont Rte 9 0.87 miles

DESTINATION: West of Marlboro/Brattleboro Marlboro, VT

ZIP CODE

DELIVERING CARRIER: Joel

ROUTE: 518-374-1936

CAR OR VEHICLE INITIALS & NO.

NO. PACKAGES	KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	*WEIGHT (SUBJECT TO CORR.)	CLASS OR RATE	✓	CHARGES (FOR CARRIER USE ONLY)
1	lot Stainless Steel	19449	50		
	Rebar # 47554, 47557,				
	47556, 47558, 47560, 47562				

REMIT C.O.D. TO:

COD AMT. $

C.O.D. FEE:
☑ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____
(Signature of Consignor)

TOTAL CHARGES $

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

CONTRACTORS MATERIALS COMPANY
10320 S. MEDALLION DR., CINCINNATI, OH 45241

Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper

2

DIMENSION

DIMENSION FABRICATORS, INC
2000 SEVENTH STREET
SCOTIA, NEW YORK 12302

JOB NUMBER	RELEASE NUMBER	RFQ DELIVERY DATE	PAGE
C14-245	002		1 of 1

JOB NAME: VAOT BRF-010(43) MARLBORO PROJ — CC: 3N6

CUSTOMER: DIMENSION FABRICATORS — BY: JWP

MATERIAL TYPE: Rebar, Grade 2304, Stainless — REFERENCE: — DRAWING ID: — DESCRIPTION: ABUTMENT #1

Itm	Qty	Size	Length	Mark	Shape	Lbs	A	B	C	D	E	F/R	G	H	J	K	O	BC
1	85	S8	12-07	1A801.3	17	2871		2-07	10-00									DD05
2	17	S8	18-08	1A702.3		852												0
	102.					3723.												
3	14	S7	19-10	1A701.3		566												0
	14.					566.												
4	36	S6	6-06	1A602.3	3	350			5-00	1-06				3-06		3-063		E01
5	36	S6	6-01	1A601.3	1	327	0-08	4-09					0-08		0-06			E
	72.					677.												
6	11	S5	26-09	1A507.3	S10	308		12-01	2-07	12-01								M05
7	17	S5	22-01	1A506.3	S10	393		9-09	2-07	9-09								M05
8	22	S5	14-11	1A503.3	22	344		2-05	12-06					2-04		0-08		E
9	86	S5	12-07	1A502.3	17	1134		2-07	10-00									E03
10	2	S5	9-04	1A505.3	22	20		5-04	4-00					2-06		4-09		E
11	112	S5	7-05	1A504.3	S10	871		2-05	2-07	2-05								M05
12	12	S5	20-10	1A501.3		262												S
	262.					3332.												

WEIGHT SUMMARY

	TOTAL			STRAIGHT			LIGHT BENDING			HEAVY BENDING		
SIZE	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS
Rebar, Grade 2304, Stainless												
S5	7	262	3332	1	12	262	3	140	1572	3	110	1498
S6	2	72	677	0	0	0	0	0	0	2	72	677
S7	1	14	566	1	14	566	0	0	0	0	0	0
S8	2	102	3723	1	17	852	0	0	0	1	85	2871
	12	450	8298	3	43	1680	3	140	1572	6	267	5046

Total Weight: 8,298 Lbs

Longest Length: 26-09

DIMENSION

DIMENSION FABRICATORS, INC.
2000 SEVENTH STREET
SCOTIA, NEW YORK 12302

JOB NUMBER	RELEASE NUMBER	REQ DELIVERY DATE	PAGE
C14-245	004		1 of 1

JOB NAME: VAOT BRF-010(43) MARLBORO PROJ — CC: 3N9

CUSTOMER: DIMENSION FABRICATORS — BY: JWP

MATERIAL TYPE	REFERENCE	DRAWING ID	DESCRIPTION
Rebar, Grade 2304, Stainless			ABUTMENT #2

Itm	Qty	Size	Length	Mark	Shape	Lbs	A	B	C	D	E	F/R	G	H	J	K	O	BC
1	85	S8	12-08	2A801.3	17	2892		2-07	10-01									DD05
	85.					2892.												
2	16	S7	18-10	2A702.3		614												0
3	17	S7	17-06	2A701.3		606												0
	33.					1220.												
4	36	S6	6-06	2A602.3	22	350		5-00	1-06					1-05		3-06		E02
5	36	S6	6-01	2A601.3	1	327	0-08	4-09					0-08		0-06			E
	72.					677.												
6	11	S5	26-11	2A506.3	S10	310		12-02	2-07	12-02								M05
7	12	S5	22-01	2A507.3	S10	278		9-09	2-07	9-09								M05
8	22	S5	15-02	2A505.3	30	350		2-05	12-09					2-04		0-08		E03
9	22	S5	14-11	2A503.3	22	344		2-05	12-06					2-04		0-08		E
10	85	S5	12-08	2A502.3	17	1129		2-07	10-01									E03
11	107	S5	7-05	2A504.3	S10	832		2-05	2-07	2-05								M05
12	30	S5	22-01	2A501		694												S
13	12	S5	20-10	2A501.3		262												S
	301.					4199.												

WEIGHT SUMMARY

	TOTAL			STRAIGHT			LIGHT BENDING			HEAVY BENDING		
SIZE	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS
Rebar, Grade 2304, Stainless												
S5	8	301	4199	2	42	956	3	130	1420	3	129	1823
S6	2	72	677	0	0	0	0	0	0	2	72	677
S7	2	33	1220	2	33	1220	0	0	0	0	0	0
S8	1	85	2892	0	0	0	0	0	0	1	85	2892
	13	491	8988	4	75	2176	3	130	1420	6	286	5392

Total Weight: 8,988 Lbs

Longest Length: 26-11

DIMENSION

DIMENSION FABRICATORS, INC.
2000 SEVENTH STREET
SCOTIA, NEW YORK 12302

JOB NUMBER	RELEASE NUMBER	REQ DELIVERY DATE	PAGE
C14-245	003		1 of 1

JOB NAME	CC
VAOT BRF-010(43) MARLBORO PROJ	3N8

CUSTOMER	BY
DIMENSION FABRICATORS	JWP

MATERIAL TYPE	REFERENCE	DRAWING ID	DESCRIPTION
Rebar, Grade 2304, Stainless			WINGWALL #1

Itm	Qty	Size	Length	Mark	Shape	Lbs	A	B	C	D	E	F/R	G	H	J	K	O	BC
1	11	S5	25-03	1W501.3	S10	291		12-01	1-01	12-01								M05
2	11	S5	6-05	1W502.3	S10	74		2-08	1-01	2-08								M05
	22.					365.												

WEIGHT SUMMARY

	TOTAL			STRAIGHT			LIGHT BENDING			HEAVY BENDING		
SIZE	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS
Rebar, Grade 2304, Stainless												
S5	2	22	365	0	0	0	2	22	365	0	0	0
	2	22	365	0	0	0	2	22	365	0	0	0

Total Weight: 365 Lbs

Longest Length: 25-03

DIMENSION

DIMENSION FABRICATORS, INC
2000 SEVENTH STREET
SCOTIA, NEW YORK 12302

JOB NUMBER	RELEASE NUMBER	REQ DELIVERY DATE	PAGE
C14-245	005		1 of 1

JOB NAME	CC
VAOT BRF-010(43) MARLBORO PROJ	3NA

CUSTOMER	BY
DIMENSION FABRICATORS	JWP

MATERIAL TYPE	REFERENCE	DRAWING ID	DESCRIPTION
Rebar, Grade 2304, Stainless			WINGWALL #3

Itm	Qty	Size	Length	Mark	Shape	Lbs	A	B	C	D	E	F/R	G	H	J	K	O	BC
1	11	S5	24-11	3W501.3	S10	287		11-11	1-01	11-11								M05
2	11	S5	6-05	3W502.3	S10	74		2-08	1-01	2-08								M05
	22.					361.												

WEIGHT SUMMARY

	TOTAL			STRAIGHT			LIGHT BENDING			HEAVY BENDING		
SIZE	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS
Rebar, Grade 2304, Stainless												
S5	2	22	361	0	0	0	2	22	361	0	0	0
	2	22	361	0	0	0	2	22	361	0	0	0

Total Weight: 361 Lbs

Longest Length: 24-11

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DIMENSION

DIMENSION FABRICATORS, INC
2000 SEVENTH STREET
SCOTIA, NEW YORK 12302

JOB NUMBER	RELEASE NUMBER	REQ. DELIVERY DATE	PAGE
C14-245	006		1 of 1

JOB NAME: VAOT BRF-010(43) MARLBORO PROJ — CC: 3NB

CUSTOMER: DIMENSION FABRICATORS — BY: JWP

MATERIAL TYPE	REFERENCE	DRAWING ID	DESCRIPTION
Rebar, Grade 2304, Stainless			WINGWALL #4

Itm	Qty	Size	Length	Mark	Shape	Lbs	A	B	C	D	E	F/R	G	H	J	K	O	BC
1	12	S5	20-03	4W501.3	S10	255		9-07	1-01	9-07								M05
2	11	S5	6-05	4W502.3	S10	74		2-08	1-01	2-08								M05
	23.					329.												

WEIGHT SUMMARY

	TOTAL			STRAIGHT			LIGHT BENDING			HEAVY BENDING		
SIZE	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS
Rebar, Grade 2304, Stainless												
S5	2	23	329	0	0	0	2	23	329	0	0	0
	2	23	329	0	0	0	2	23	329	0	0	0

Total Weight: 329 Lbs

Longest Length: 20-03

DIMENSION

DIMENSION FABRICATORS, INC
2000 SEVENTH STREET
SCOTIA, NEW YORK 12302

JOB NUMBER	RELEASE NUMBER	REQ. DELIVERY DATE	PAGE
C14-245	007		1 of 1

JOB NAME: VAOT BRF-010(43) MARLBORO PROJ — CC: 3NC

CUSTOMER: DIMENSION FABRICATORS — BY: JWP

MATERIAL TYPE	REFERENCE	DRAWING ID	DESCRIPTION
Rebar, Grade 2304, Stainless			MECHANICAL COUPLERS

Itm	Qty	Size	Length	Mark	Shape	Lbs	A	B	C	D	E	F/R	G	H	J	K	O	BC
** THE FOLLOWING ITEM HAS END PREPS - Right: BARSLICE BPI Std Barsplicer **																		
1	8	S7	3-06	7SSM		57												T
** THE FOLLOWING ITEM HAS END PREPS - Left: BARSLICE BPI Std Barsplicer **																		
2	8	S7	3-06	7SSF		57												T
	16.					114.												

FABRICATION INSTRUCTIONS: mark 7SSF - COUPLER TO BE ATTACHED

WEIGHT SUMMARY

	TOTAL			STRAIGHT			LIGHT BENDING			HEAVY BENDING		
SIZE	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS	ITEMS	PIECES	LBS
Rebar, Grade 2304, Stainless												
S7	2	16	114	2	16	114	0	0	0	0	0	0
	2	16	114	2	16	114	0	0	0	0	0	0

END PREP SUMMARY BY BAR SIZE

Rebar, Grade 2304, Stainless

END PREP	S7	TOTAL
BARSLICE BPI Std	16	16
	16	16

Total Weight: 114 Lbs

Longest Length: 3-06

actors Materials Company Cincinn

ster Bundle Check List

Session: 004438 Fab Shop: Cincinnati, OH Fab Date: 5/28/2014
Run: 136675 Shift: Shift 1 Caption:

6

Job Name: VAOT BRF-010(43) MARLBORO PROJ Job: C14-245 Description: ABUTMENT #1
Customer: DIMENSION FABRICATORS Release: 002 Ship Date: 5/28/2014

Master Bundle	Load	Color / Shape	Size	Grade	Coating	Bend Class	No. Of Tags	Pieces	Lbs	Longest Length
4M			S8	2304	Stn	DD	1	28	946	12-07
5M			S8	2304	Stn	DD	1	28	946	12-07
6M			S8	2304	Stn	DD	1	29	980	12-07
10M			S8	2304	Stn	0	1	17	852	18-08
11M			S7	2304	Stn	0	1	14	566	19-10
14M			S6	2304	Stn	E	2	72	677	6-06
27M			S5	2304	Stn	S	1	12	262	20-10
29M			S5	2304	Stn	M	2	28	701	26-09
36M			S5	2304	Stn	M	1	56	435	7-05
37M			S5	2304	Stn	M	1	56	435	7-05
43M			S5	2304	Stn	E	1	2	20	9-04
44M			S5	2304	Stn	E	2	108	1,478	14-11
				Control Code: 3N6		Total:	15	450	8,298	26-09

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ster Bundle Check List

Session: 004438 Fab Shop: Cincinnati, OH Fab Date: 5/28/2014
Run: 136675 Shift: Shift 1 Caption:

8

Job Name: VAOT BRF-010(43) MARLBORO PROJ Job: C14-245 Description: WINGWALL #1
Customer: DIMENSION FABRICATORS Release: 003 Ship Date: 5/28/2014

laster Bundle	Load	Color / Shape	Size	Grade	Coating	Bend Class	No. Of Tags	Pieces	Lbs	Longest Length
30M			S5	2304	Stn	M	1	11	291	25-03
38M			S5	2304	Stn	M	1	11	74	6-05
				Control Code: 3N8		Total:	2	22	365	25-03

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ster Bundle Check List

Session: 004438 Fab Shop: Cincinnati, OH Fab Date: 5/28/2014
Run: 136675 Shift: Shift 1 Caption:

9

Job Name: VAOT BRF-010(43) MARLBORO PROJ Job: C14-245 Description: ABUTMENT #2
Customer: DIMENSION FABRICATORS Release: 004 Ship Date: 5/28/2014

Master Bundle	Load	Color / Shape	Size	Grade	Coating	Bend Class	No. Of Tags	Pieces	Lbs	Longest Length
7M			S8	2304	Stn	DD	1	28	953	12-08
8M			S8	2304	Stn	DD	1	28	953	12-08
9M			S8	2304	Stn	DD	1	29	987	12-08
12M			S7	2304	Stn	0	2	33	1,220	18-10
15M			S6	2304	Stn	E	2	72	677	6-06
28M			S5	2304	Stn	S	2	42	956	22-01
31M			S5	2304	Stn	M	2	23	588	26-11
39M			S5	2304	Stn	M	1	53	412	7-05
40M			S5	2304	Stn	M	1	54	420	7-05
45M			S5	2304	Stn	E	3	129	1,823	15-02
				Control Code: 3N9		Total:	16	491	8,989	26-11

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Cincinn

ster Bundle Check List

Session: 004438 Fab Shop: Cincinnati, OH Fab Date: 5/28/2014
Run: 136675 Shift: Shift 1 Caption:

A

Job Name: VAOT BRF-010(43) MARLBORO PROJ Job: C14-245 Description: WINGWALL #3
Customer: DIMENSION FABRICATORS Release: 005 Ship Date: 5/28/2014

Master Bundle	Load	Color / Shape	Size	Grade	Coating	Bend Class	No. Of Tags	Pieces	Lbs	Longest Length
32M			S5	2304	Stn	M	1	11	287	24-11
41M			S5	2304	Stn	M	1	11	74	6-05
				Control Code: 3NA		Total:	2	22	361	24-11

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ster Bundle Check List

Session: 004438 Run: 136675 Fab Shop: Cincinnati, OH Shift: Shift 1 Fab Date: 5/28/2014 Caption:

B

Job Name: VAOT BRF-010(43) MARLBORO PROJ Job: C14-245 Description: WINGWALL #4
Customer: DIMENSION FABRICATORS Release: 006 Ship Date: 5/28/2014

aster Bundle	Load	Color / Shape	Size	Grade	Coating	Bend Class	No. Of Tags	Pieces	Lbs	Longest Length
33M			S5	2304	Stn	M	1	12	255	20-03
42M			S5	2304	Stn	M	1	11	74	6-05
				Control Code: 3NB		Total:	2	23	329	20-03

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ractors Materials Company

Cincinr

ster Bundle Check List

Session: 004438
Run: 136675

Fab Shop: Cincinnati, OH
Shift: Shift 1

Fab Date: 5/28/2014
Caption:

IC

Job Name: VAOT BRF-010(43) MARLBORO PROJ
Customer: DIMENSION FABRICATORS

Job: C14-245
Release: 007

Description: MECHANICAL COUPLERS
Ship Date: 5/28/2014

Master Bundle	Load	Color / Shape	Size	Grade	Coating	Bend Class	No. Of Tags	Pieces	Lbs	Longest Lengt
13M			S7	2304	Stn	T	2	15	107	3-06
				Control Code: 3NC		Total:	2	15	107	3-06

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NORTH AMERICAN STAINLESS

METALLURGICAL TEST REPORT

6870 Highway 4
Ghent, KY 410
(502) 347-6000

ate: 842661 01

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
10320 SOUTH MEDALLION DRIVE
CINCINNATI OH 45241

Date: 6/10/2013 Page
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: .6250 in
Leg Length:
Length:
Corrosion:

r: 4554 001
er: LP 1039 2
der: 0000005540

Item Code:

UCT DESCRIPTION:

ing Bar
304
55-12 Grade 60 (Grade 75 at 0.2% offset YS only)
eat Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIRECTIV
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINA

Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bund
3462	WC73763	3374													

ICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Chemical Analysis per AS

Supplier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.020	.08	22.61	.18	1.79	.11	.175	3.71	.034

SI %
.40

ANICAL PROPERTIES

l d o i c r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	203.0	82.54	114.43	61.07	20.89	60.00
R L	203.0	82.54	114.43	61.07	20.89	60.00

by certifies that the analysis on this certification is correct. Based upon the results and the accuracy
t methods used, the material meets the specifications stated. These results relate only to the items
d this report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical Dept.Mgr.

ERIC HESS

NORTH AMERICAN STAINLESS

METALLURGICAL TEST REPORT

6870 Highway
Ghent, KY 410
(502) 347-6000

cate: 839883 05

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
10320 SOUTH MEDALLION DRIVE
CINCINNATI OH 45241

Date: 5/30/2013 Page
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: .6250 in
Leg Length:
Length:
Corrosion:

er: 4554 001
er: LP 2525 1
der: 0000005468 Item Code:

UCT DESCRIPTION:

cing Bar
304
55-12 Grade 60 (Grade 75 @ 0.2% offset YS only)
eat Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7014A-1 EU DIREC
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINA

Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bund
3448	WC72057	3426	WC72059	3340	WC72070	3394	WC72071	3368							

ICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per AS

Supplier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.020	.08	22.61	.18	1.79	.11	.175	3.71	.034

SI %
.40

IANICAL PROPERTIES

l d o i c r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	214.0	99.66	116.87	87.03	21.18	75.00
R L	214.0	99.66	116.87	87.03	21.18	75.00
R L	214.0	99.66	116.87	87.03	21.18	75.00
R L	214.0	99.66	116.87	87.03	21.18	75.00
R L	214.0	99.66	116.87	87.03	21.18	75.00

by certifies that the analysis on this certification is correct. Based upon the results and the accuracy
t methods used, the material meets the specifications stated. These results relate only to the items
d this report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical Dept.Mgr.

ERIC HESS

NORTH AMERICAN STAINLESS

METALLURGICAL TEST REPORT

6870 Highw
Ghent, KY 4
(502) 347-60

e: 931992 02

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
C/O BUCKLEY MANUFACTURING
CINCINNATI OH 45215

Date: 3/25/2014 P
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: .6250 in
Leg Length:
Length:
Corrosion:

4554 003
LP 15609 2
: 0000007590

Item Code: 05SS2304

CT DESCRIPTION:

g Bar

12 Grade 60 (Grade 75 at 0.2% offset YS only)
Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIREC
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED A
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAM

ght	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	B
422	WD04674	3436	WD04675	3434											

CAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per

plier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.018	.08	22.17	.31	1.61	.20	.163	3.75	.030

	SI %
	.48

NICAL PROPERTIES

l d o i c r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	226.0	110.45	124.57	96.00	20.54	75.00
R L	226.0	110.45	124.57	96.00	20.54	75.00
R L	226.0	110.45	124.57	96.00	20.54	75.00

certifies that the analysis on this certification is correct. Based upon the results and the accuracy
ethods used, the material meets the specifications stated. These results relate only to the items
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ERIC HESS

NORTH AMERICAN STAINLESS

METALLURGICAL TEST REPORT

6870 Highwa
Ghent, KY 4
(502) 347-60

e: 931992 01

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
C/O BUCKLEY MANUFACTURING
CINCINNATI OH 45215

Date: 3/25/2014 Pa
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: .6250 in
Leg Length:
Length:
Corrosion:

4554 003
LP 15609 2
: 0000007590

Item Code: 05SS2304

CT DESCRIPTION:

g Bar

12 Grade 60 (Grade 75 at 0.2% offset YS only)
Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIRECT
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AN
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMI

ght	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bu
430	WD04676	3476	WD04677	3436											

CAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per

plier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.018	.08	22.17	.31	1.61	.20	.163	3.75	.030

SI %
.48

NICAL PROPERTIES

l d o i c r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	217.0	92.77	122.41	70.48	24.84	60.00
R L	217.0	92.77	122.41	70.48	24.84	60.00
R L	217.0	92.77	122.41	70.48	24.84	60.00

certifies that the analysis on this certification is correct. Based upon the results and the accuracy
ethods used, the material meets the specifications stated. These results relate only to the items
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ERIC HESS

NORTH AMERICAN STAINLESS

METALLURGICAL TEST REPORT

6870 Highwa
Ghent, KY 4
(502) 347-60

e: 891747 01

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
10320 SOUTH MEDALLION DRIVE
CINCINNATI OH 45241

Date: 11/18/2013 Pa
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: .7500 in
Leg Length:
Length:
Corrosion:

4554 001
LP 10050 1
: 0000007011

Item Code: 06SS2304

CT DESCRIPTION:

g Bar

12 Grade 60 (Grade 75 at 0.2% offset YS only)
Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIRECT
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AN
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMI

ght	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bu
450	WC91779	3466	WC91786	3354											

CAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per

plier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.023	.09	22.54	.26	1.69	.16	.171	3.78	.028

SI %
.63

NICAL PROPERTIES

l d o i c r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	245.0	85.67	117.19	65.42	23.71	60.00
R L	245.0	85.67	117.19	65.42	23.71	60.00
R L	245.0	85.67	117.19	65.42	23.71	60.00

certifies that the analysis on this certification is correct. Based upon the results and the accuracy ethods used, the material meets the specifications stated. These results relate only to the items is report cannot be reproduced, except in its entirety, without the written approval of NAS

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NORTH AMERICAN STAINLESS

METALLURGICAL TEST REPORT

6870 Highw
Ghent, KY
(502) 347-60

e: 900928 01

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
C/O BUCKLEY MANUFACTURING
CINCINNATI OH 45215

Date: 12/17/2013 P
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: 1.0000 in
Leg Length:
Length:
Corrosion:

4554 003
SN 9757 2
: 0000007220
Item Code:

CT DESCRIPTION:

g Bar
12 Grade 60 (Grade 75 at 0.2% offset YS only)
Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIREC
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED A
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAM

ght	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	B
460	WC94616	3438	WC94617	3420	WC94618	3472	WC94628	3446							

CAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per

plier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P
	US	.020	.11	22.93	.29	1.65	.35	.183	3.81	.029

SI %
.45

NICAL PROPERTIES

l d o i c r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	200.0	80.87	116.23	67.58	25.26	60.00
R L	200.0	80.87	116.23	67.58	25.26	60.00
R L	200.0	80.87	116.23	67.58	25.26	60.00
R L	200.0	80.87	116.23	67.58	25.26	60.00
R L	200.0	80.87	116.23	67.58	25.26	60.00

certifies that the analysis on this certification is correct. Based upon the results and the accuracy ethods used, the material meets the specifications stated. These results relate only to the items is report cannot be reproduced, except in its entirety, without the written approval of NAS

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NORTH AMERICAN STAINLESS

METALLURGICAL TEST REPORT

6870 Highwa
Ghent, KY 4
(502) 347-60

e: 900928 02

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
C/O BUCKLEY MANUFACTURING
CINCINNATI OH 45215

Date: 12/17/2013 Pa
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: 1.0000 in
Leg Length:
Length:
Corrosion:

4554 003
SN 9757 2
: 0000007220

Item Code:

CT DESCRIPTION:

g Bar

12 Grade 60 (Grade 75 at 0.2% offset YS only)
Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIRECT
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AN
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMI

ght	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bu
432	WC94609	3480	WC94612	3464											

CAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per

plier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.018	.10	22.61	.28	1.75	.24	.173	3.82	.027

SI %
.46

NICAL PROPERTIES

l d o i c r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	206.0	86.75	114.41	63.04	26.14	60.00
R L	206.0	86.75	114.41	63.04	26.14	60.00
R L	206.0	86.75	114.41	63.04	26.14	60.00

ertifies that the analysis on this certification is correct. Based upon the results and the accuracy
thods used, the material meets the specifications stated. These results relate only to the items
is report cannot be reproduced, except in its entirety, without the written approval of NAS

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NORTH AMERICAN STAINLESS

METALLURGICAL TEST REPORT

6870 Highwa
Ghent, KY 4
(502) 347-60

e: 918038 01

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
C/O BUCKLEY MANUFACTURING
CINCINNATI OH 45215

Date: 2/12/2014 Pa
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: 1.0000 in
Leg Length:
Length:
Corrosion:

4554 003
LP 13807 1
: 000007454

Item Code:

CT DESCRIPTION:

g Bar

12 Grade 60 (Grade 75 at 0.2% offset YS only)
Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIRECT
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AN
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMI

ght	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bu
474	WC99861	3480	WC99862	3438	WC99863	3476	WC99864	3474	WC99865	3486	WC99867	3456			

CAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per

plier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.024	.07	22.58	.25	1.60	.14	.183	3.76	.029

	SI %
	.40

NICAL PROPERTIES

l d o i c r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	194.0	79.52	105.57	81.91	30.75	75.00
R L	194.0	79.52	105.57	81.91	30.75	75.00
R L	194.0	79.52	105.57	81.91	30.75	75.00
R L	194.0	79.52	105.57	81.91	30.75	75.00
R L	194.0	79.52	105.57	81.91	30.75	75.00
R L	194.0	79.52	105.57	81.91	30.75	75.00
R L	194.0	79.52	105.57	81.91	30.75	75.00

ertifies that the analysis on this certification is correct. Based upon the results and the accuracy
ethods used, the material meets the specifications stated. These results relate only to the items
is report cannot be reproduced, except in its entirety, without the written approval of NAS

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ERIC HESS

NORTH AMERICAN STAINLESS

METALLURGICAL TEST REPORT

6870 Highwa
Ghent, KY 4
(502) 347-60

e: 931987 02

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
C/O BUCKLEY MANUFACTURING
CINCINNATI OH 45215

Date: 3/25/2014 Pa
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: .8750 in

4554 003
LP 15609 1
: 0000007590

Item Code: 07SS2304

Leg Length:
Length:
Corrosion:

CT DESCRIPTION:

y Bar

12 Grade 60 (Grade 75 at 0.2% offset YS only)
Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIRECT
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AN
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMI

ght	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bu
.82	WD03965	3406	WD03993	3356	WD04016	3432	WD04018	3316	WD04020	3408	WD04023	3308			

CAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per

plier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.020	.10	22.75	.28	1.68	.25	.185	3.80	.029

	SI %
	.48

NICAL PROPERTIES

l d o i r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	199.0	75.14	109.43	61.43	29.48	60.00
R L	199.0	75.14	109.43	61.43	29.48	60.00
R L	199.0	75.14	109.43	61.43	29.48	60.00
R L	199.0	75.14	109.43	61.43	29.48	60.00
R L	199.0	75.14	109.43	61.43	29.48	60.00
R L	199.0	75.14	109.43	61.43	29.48	60.00
R L	199.0	75.14	109.43	61.43	29.48	60.00

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Technical Dept.Mgr.

ERIC HESS

NORTH AMERICAN STAINLESS

METALLURGICAL TEST REPORT

6870 Highwa
Ghent, KY 4
(502) 347-60

e: 929172 03

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
C/O BUCKLEY MANUFACTURING
CINCINNATI OH 45215

Date: 3/17/2014 P
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: .8750 in
Leg Length:
Length:
Corrosion:

4554 003
LP 15609 1
: 0000007590

Item Code: 07SS2304

CT DESCRIPTION:

g Bar

12 Grade 60 (Grade 75 at 0.2% offset YS only)
Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIRECT
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AN
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAM

ght	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	B
828	WD03711	3846	WD03712	3870	WD03713	3850	WD03721	3860	WD03880	3816					

CAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per

plier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.012	.07	22.82	.28	1.62	.19	.187	3.70	.031

	SI %
	.33

NICAL PROPERTIES

l d o i c r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	204.0	76.51	111.77	72.72	29.04	60.00
R L	204.0	76.51	111.77	72.72	29.04	60.00
R L	204.0	76.51	111.77	72.72	29.04	60.00
R L	204.0	76.51	111.77	72.72	29.04	60.00
R L	204.0	76.51	111.77	72.72	29.04	60.00
R L	204.0	76.51	111.77	72.72	29.04	60.00

certifies that the analysis on this certification is correct. Based upon the results and the accuracy
ethods used, the material meets the specifications stated. These results relate only to the items
is report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical Dept.Mgr.

ERIC HESS

NORTH AMERICAN STAINLESS

METALLURGICAL TEST REPORT

6870 Highw
Ghent, KY 4
(502) 347-60

e: 931993 03

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
C/O BUCKLEY MANUFACTURING
CINCINNATI OH 45215

Date: 3/25/2014 P
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: .6250 in
Leg Length:
Length:
Corrosion:

4554 003
LP 15609 2
: 0000007590

Item Code: 05SS2304

CT DESCRIPTION:

g Bar

12 Grade 60 (Grade 75 at 0.2% offset YS only)
Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIREC
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED A
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAM

ght	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	B
402	WD04596	3382	WD04597	3436	WD04598	3452	WD04601	3374							

CAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per

plier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.018	.08	22.17	.31	1.61	.20	.163	3.75	.030

SI %
.48

NICAL PROPERTIES

l d o i c r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	226.0	110.45	124.57	96.00	20.54	75.00
R L	226.0	110.45	124.57	96.00	20.54	75.00
R L	226.0	110.45	124.57	96.00	20.54	75.00
R L	226.0	110.45	124.57	96.00	20.54	75.00
R L	226.0	110.45	124.57	96.00	20.54	75.00

ertifies that the analysis on this certification is correct. Based upon the results and the accuracy
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Technical Dept.Mgr.

ERIC HESS

NORTH AMERICAN STAINLESS

METALLURGICAL TEST REPORT

6870 Highwa
Ghent, KY 4
(502) 347-60

e: 923677 01

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
C/O BUCKLEY MANUFACTURING
CINCINNATI OH 45215

Date: 2/27/2014 P
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: .6250 in
Leg Length:
Length:
Corrosion:

4554 003
LP 13725 1
: 0000007420

Item Code:

CT DESCRIPTION:

g Bar

12 Grade 60 (Grade 75 at 0.2% offset YS only)
Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIREC
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED A
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAM

ght	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	B
368	WD01879	3424	WD01883	3430	WD01884	3128	WD01887	3426							

CAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per

plier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.023	.14	22.19	.22	1.63	.14	.179	3.74	.029

SI %
.51

NICAL PROPERTIES

l d o i c r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	215.0	81.47	122.28	71.37	20.11	60.00
R L	215.0	81.47	122.28	71.37	20.11	60.00
R L	215.0	81.47	122.28	71.37	20.11	60.00
R L	215.0	81.47	122.28	71.37	20.11	60.00
R L	215.0	81.47	122.28	71.37	20.11	60.00

certifies that the analysis on this certification is correct. Based upon the results and the accuracy ethods used, the material meets the specifications stated. These results relate only to the items is report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical Dept.Mgr.

NORTH AMERICAN STAINLESS

METALLURGICAL TEST REPORT

6870 Highwa
Ghent, KY 4
(502) 347-600

e: 923952 01

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
C/O BUCKLEY MANUFACTURING
CINCINNATI OH 45215

Date: 2/28/2014 Pa
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: .6250 in
Leg Length:
Length:
Corrosion:

4554 003
LP 13725 1
: 0000007420

Item Code:

CT DESCRIPTION:

g Bar

12 Grade 60 (Grade 75 at 0.2% offset YS only)
Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIRECT
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AN
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMI

ght	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bu
450	WD01996	3772													

CAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per

plier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.023	.14	22.19	.22	1.63	.14	.179	3.74	.029

SI %
.51

NICAL PROPERTIES

l d o i c r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	215.0	81.47	122.28	71.37	20.11	60.00
R L	215.0	81.47	122.28	71.37	20.11	60.00

certifies that the analysis on this certification is correct. Based upon the results and the accuracy
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NORTH AMERICAN STAINLESS

METALLURGICAL TEST REPORT

6870 Highwa
Ghent, KY 4
(502) 347-60

e: 907979 02

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
C/O BUCKLEY MANUFACTURING
CINCINNATI OH 45215

Date: 1/13/2014 Pa
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: .6250 in
Leg Length:
Length:
Corrosion:

4554 003
LP 12395 2
: 0000007220
Item Code:

CT DESCRIPTION:

g Bar

12 Grade 60 (Grade 75 at 0.2% offset YS only)
Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIRECT
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AN
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMI

ght	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bu
792															

CAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per

plier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.018	.10	22.61	.28	1.75	.24	.173	3.82	.027

SI %
.46

NICAL PROPERTIES

l d o i c r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	223.0	86.10	117.84	61.58	22.05	60.00

certifies that the analysis on this certification is correct. Based upon the results and the accuracy
ethods used, the material meets the specifications stated. These results relate only to the items
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METALLURGICAL TEST REPORT

6870 Highwa
Ghent, KY 4
(502) 347-600

: 923738 01

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
C/O BUCKLEY MANUFACTURING
CINCINNATI OH 45215

Date: 2/27/2014 Pa
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: .6250 in
Leg Length:
Length:
Corrosion:

4554 003
LP 13725 1
: 0000007420

Item Code:

CT DESCRIPTION:

Bar

12 Grade 60 (Grade 75 at 0.2% offset YS only)
Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIRECT
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AN
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMI

ght	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bu
28	WD01893	3436	WD01895	3402	WD01898	3430									

CAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Chemical Analysis per

plier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.023	.14	22.19	.22	1.63	.14	.179	3.74	.029

SI %
.51

NICAL PROPERTIES

d i r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	215.0	81.47	122.28	71.37	20.11	60.00
R L	215.0	81.47	122.28	71.37	20.11	60.00
R L	215.0	81.47	122.28	71.37	20.11	60.00
R L	215.0	81.47	122.28	71.37	20.11	60.00

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METALLURGICAL TEST REPORT

6870 Highwa
Ghent, KY 4
(502) 347-600

e: 923111 01

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
C/O BUCKLEY MANUFACTURING
CINCINNATI OH 45215

Date: 2/26/2014 Pa
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: .6250 in
Leg Length:
Length:
Corrosion:

4554 003
LP 13725 1
: 0000007420

Item Code:

CT DESCRIPTION:

g Bar

12 Grade 60 (Grade 75 at 0.2% offset YS only)
Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIRECT
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AN
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMI

ght	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bu
426	WD01671	3434	WD01672	3414	WD01673	3432	WD01675	3412	WD01676	3434	WD01677	3388	WD01683	3430	

CAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per

plier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.023	.14	22.19	.22	1.63	.14	.179	3.74	.029

SI %
.51

NICAL PROPERTIES

l d o i c r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	215.0	81.47	122.28	71.37	20.11	60.00
R L	215.0	81.47	122.28	71.37	20.11	60.00
R L	215.0	81.47	122.28	71.37	20.11	60.00
R L	215.0	81.47	122.28	71.37	20.11	60.00
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R L	215.0	81.47	122.28	71.37	20.11	60.00
R L	215.0	81.47	122.28	71.37	20.11	60.00

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METALLURGICAL TEST REPORT

6870 Highwa
Ghent, KY 4
(502) 347-60

e: 907979 02

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
C/O BUCKLEY MANUFACTURING
CINCINNATI OH 45215

Date: 1/13/2014 Pa
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: .6250 in
Leg Length:
Length:
Corrosion:

4554 003
LP 12395 2
: 0000007220
Item Code:

CT DESCRIPTION:

g Bar

12 Grade 60 (Grade 75 at 0.2% offset YS only)
Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIRECT
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AN
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMI

ght	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bu
792															

CAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per

plier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.018	.10	22.61	.28	1.75	.24	.173	3.82	.027

SI %
.46

NICAL PROPERTIES

d i r	HB No.	.2YS KSI	UTS KSI	YS 0.35 35YS	EU Elo-8" %	YS Grade ksi
R L	223.0	86.10	117.84	61.58	22.05	60.00

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METALLURGICAL TEST REPORT

6870 Highwa
Ghent, KY 4
(502) 347-60

e: 904141 01

Mail To:
CONTRACTORS MATERIALS CO.
ACCOUNTS PAYABLE
CINCINNATI OH 45241

Ship To:
CONTRACTORS MATERIALS CO.
C/O BUCKLEY MANUFACTURING
CINCINNATI OH 45215

Date: 12/31/2013 Pa
Steel: 2304/EN1.4362
Finish: HR- Pickled
Dia/Thk: .6250 in
Leg Length:
Length:
Corrosion:

4554 003
LP 12395 2
: 0000007220

Item Code:

CT DESCRIPTION:

g Bar

12 Grade 60 (Grade 75 at 0.2% offset YS only)
Condition: Hot rolled & Pickled.

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7008 EU DIRECT
2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AN
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMI

ght	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bundle	Weight	Bu
814	WC95525	4800	WC95530	3352											

CAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per

plier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
	US	.018	.10	22.61	.28	1.75	.24	.173	3.82	.027

SI %
.46

NICAL PROPERTIES

l d o i c r	HB No.	.2YS KSI	UTS KSI	YS 0.35 EU 35YS	Elo-8" %	YS Grade ksi
R L	223.0	86.10	117.84	61.58	22.05	60.00
R L	223.0	86.10	117.84	61.58	22.05	60.00
R L	223.0	86.10	117.84	61.58	22.05	60.00

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