MRR #006

STRAIGHT BILL OF LADING - SHORT FORM - ORIGINAL - NOT NEGOTIABLE
AMERICAN ALLOY STEEL, INC.

CARRIER: ITM

FROM: AMERICAN ALLOY STEEL, INC.
6230 N HOUSTON-ROSSLYN
HOUSTON, TX. 77091
1-713-462-8081

DATE: 03/08/2021

BILL OF LADING: 678583

CONSIGNED TO: TECHFORM-MONTAL
DESTINATION : 3139 BOUL DES ENTREPRISES
TERREBONNE, QC
J6X 4J9
CANADA

CUSTOMS: SEAMONT BROKERAGE
PH:514-931-0306/FAX:514-363-5564

SUBJECT TO SECTION 7 OF CONDITIONS OF APPLICABLE BILL OF LADING, 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.

*** FREIGHT CHARGES: PREPAID

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 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 SAID PROPERTY, THAT EVERY 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 THE UNIFORM FREIGHT CLASSIFICATION 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, INCLUDING THOSE ON THE BACK THEREOF, 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.

Permanent post-office address of shipper:
AMERICAN ALLOY STEEL, INC.
P.O.BOX 40469
HOUSTON, TX 77240

Load must be secured
before leaving premises.

Driver Signature/Date
ITM

QTY	DESCRIPTION OF ARTICLES	WGT (LBS)	PL NO	SO NO	PO NO
	--- C L A S S - 50 S T E E L ----				
11	5/16" X 96" X 480"	44924	709064	677336	341-1001-TX
11	T O T A L S	44924			

11 LOOSE STEEL PLATES
1 ENVELOPE
ENVELOPE MUST DELIVER WITH FREIGHT

LOADED BY_____ DATE_____ PER ATTACHED PACKING LIST(S)

RECEIVED BY_____ DATE_____

Time In: _____ Signature: _____ Time Out: _____ Signature: _____

AMERICAN ALLOY STEEL, INC.
6230 N. Houston-Rosslyn
HOUSTON, TX 77091
PHONE (713) 462-8081 FAX (713) 462-0527

PACKING LIST

PACKING LIST NO 709064 S/O NO 677336 DATE: 03/05/2021

SOLD TO: 308500 PHONE: 1-902-429-0272
INUKSHUK CONSTRUCTION LIMITED
1869 UPPER WATER STREET SUITE AH202
HALIFAX, NS B3J 1S9

SHIP TO: 3
TECHFORM-MONTAL
3139 BOUL DES ENTREPRISES
TERREBONNE, QC
J6X 4J9

CUSTOMER BUYER NAME:M.LOSIER PHONE NO: 1-902-429-0272

CUST PO NUMBER	FOB POINT	--- SHIP VIA --	SHIPPING REF	TERMS	DATE REQ
341-1001-TX	DELIVERED	ITM		PPD	04/05/2021

1 SET OF MTRs IS REQUIRED WITH SHIPMENT

LN#	ITM	QTY	THKNSS	MATERIAL/ITEM DESCRIPTION	UNT WGT	EXT WGT
				ASME SA 516 GRADE 70, KILLED, FINE GRAIN, NORMALIZED		
1	1	11	5/16"	96" X 480"	4084	44924

Total Pieces on this Packing List 11

Total Weight on this Packing List 44924

Canada Customs and Revenue Agency | Agence des douanes et du revenu du Canada

CANADA CUSTOMS INVOICE
FACTURE DES DOUANES CANADIENNES

1. Vendor (name and address) - Vendeur (nom et adresse)

American Alloy Steel
6230 N. Houston Rosslyn Rd
Houston, TX 77091
Tel: (713) 462-8081 Fax: (713) 462-1638

2. Date of direct shipment to Canada - Date d'expédition directe vers le Canada

03/05/2021

3. Other references (include purchaser's order no.)
Autres références (inclure le n° de commande de l'acheteur)

PO# 341-1001-TX S/O: 677336

4. Consignee (name and address) - Destinataire (nom et adresse)

TECHFORM-MONTAL
3139 BOUL DES ENTREPRISES
TERREBONNE, QC J6X 4J9
CANADA

5. Purchaser's name and address (if other than consignee)
Nom et adresse de l'acheteur (s'il diffère du destinataire)

AMERICAN ALLOY STEEL
6230 N. HOUSTON ROSSLYN RD.
HOUSTON, TX 77091
USA

6. Country of transhipment - Pays de transbordement

USA

7. Country of origin of goods
Pays d'origine des marchandises

USA

IF SHIPMENT INCLUDES GOODS OF DIFFERENT ORIGINS AGAINST ITEMS IN 12. SI L'EXPEDITION COMPREND DES MARCHANDISES D'ORIGINES DIFFERENTES, PRECISEZ LEUR PROVENANCE EN 12

8. Transportation: Give mode and place of direct shipment to Canada
Transport: Precisez model et point d'expedition directe vers le Canada

ITM
CUSTOMS: SEAMONT BROKERAGE
PH#514-931-0306

9. Conditions of sale and terms of payment
(i.e. Sale, consignment shipment, leased goods, etc.)
Conditions de vente et modalitiés de palement
(p. ex. vente, expédition en consignation, location de marchandises, etc.)

SALE

10. Currency of settlement - Devises du palement

US FUNDS

11. Number of packages Nombre de colis	12. Specification of commodities (kind of packages, marks and numbers, general description and characteristics, i.e., grad,e quality) Désignation des articles (nature des colis, marques et numéros, description générale et caractéristiques, p. ex, classe, qualité)	13. Quantity (state unit) Quantité (précisez l'unité)	Selling price - Prix de vente	
			14. Unit Price Prix unitaire	15. Total
	STEEL PLATE 5/16" x 96" x 480" - USA	11	$3349.00	$36839.00

18. If any of fields 1 to 17 are included on an attached commercial invoice, check this box
Si tout renseignement relativement aux zones 1 à 17 figure sur une ou des factures commerciales ci-attachees, cochez cette case ☑
Commercial Invoice No. / N° de la facture commerciale 3051001-2

16. Total Weight - Poids Total		17. Invoice total Total de la facture
Net	Gross - Brut	
44924 LBS	44924 LBS	$36839.00

19. Exporter's name and address (if other than vendor)
Nom et adresse de l'exportateur (s'il differe du vendeur)

20. Originator (name and address) - Expéditeur d'origine (nom et adresse)

21. CCRA ruling (if applicable) - Décision de l'Agence (s'il y a lieu)

22. If fields 23 to 25 are not applicable, check this box ☐
Si les zones 23 à 25 sont sans objet, cochez cette case

23. If included in field 17 indicate amount:
Si compris dans le total à la zone 17, précisez:

(i) Transportation charges, expenses and insurance from the place of direct shipment to Canada
Les frais de transport, dépenses et assurances à partir du point d'expédition directe vers le Canada

(ii) Costs for construction, erection and assembly incurred after importation into Canada
Les coûts de construction ,d'érection et d'assemblage après importation au Canada

(iii) Export packing
Le coût de l'emballage d'exportation

24. If not included in field 17 indicate amount:
Si non compris dans le total à la zone 17, précisez:

(i) Transportation charges, expenses, and insurance from the place of direct shipment to Canada
Les frais de transport, dépenses et assurances jusqu'au point d'expédition directe vers le Canada

(ii) Amounts for commissions other than buying commissions
Les commissions autres que celles versées pour l'achat

(iii) Export packing
Le coût de l'emballage d'exportation

25. Check (if applicable):
Cochez (s'il y a lieu):

(i) Royalty payments or subsequent proceeds are paid or payable by the purchaser
Des redevances ou produits ont été ou seront versés par l'acheteur ☐

(ii) The purchaser has supplied goods or services for use in the production of these goods
L'acheteur a fourni des marchandises ou des services pour la production de ces marchandises ☐

AMERICAN ALLOY STEEL, INC.
6230 N Houston-Rosslyn
P.O. Box 40469
HOUSTON, TX 77240-0469
PHONE (713) 462-8081 FAX (713) 462-0527

PINVOICE NO. 3051001-2 DATE: 03/05/2021

SHOP ORDER: 677336 ORDER LOC: TX ORDER DATE: 02/12/2021

SOLD TO: 308500 PHONE: 1-902-429-0272
INUKSHUK CONSTRUCTION LIMITED
1869 UPPER WATER STREET SUITE AH202
HALIFAX, NS B3J 1S9
CANADA
FAX: 1-902-429-7762

SHIP TO: 3
TECHFORM-MONTAL
3139 BOUL DES ENTREPRISES
TERREBONNE, QC
J6X 4J9
CANADA

CUST PO NO	BUYER NAME	---SALESMEN----
341-1001-TX	M.LOSIER	FCL/SEL/ /CAN

FOB POINT	SHIP VIA	TERMS	FED ID
DELIVERED	ITM	PPD	74-1688398

SHIPPING REF	MTRs REQD W/INV	W/SHP	SHIP WGT	PARTIAL OK	REQD SHIP
	0	1	44924	N	04/05/2021

ITEM	QTY	THKNSS	MATERIAL/ITEM DESCRIPTION	PRC EACH	PRC EXTD
			ASME SA 516 GRADE 70, KILLED, FINE GRAIN, NORMALIZED		
1	11	5/16"	96" X 480"	3349.00	36839.00

TOTAL AMOUNT (excl applicable taxes) 36839.00 USD

Please examine the above carefully and notify your American Alloy Steel salesman of any changes, otherwise the order will be shipped as shown.

UNITED STATES–MEXICO–CANADA AGREEMENT (USMCA)

CERTIFICATE OF ORIGIN

1. CERTIFIER NAME AND ADDRESS: DANIEL VENEGAS 6230 NORTH HOUSTON ROSSLYN ROAD HOUSTON, TX 77040 TEL:713-462-8081 EMAIL:DANIEL@AASTEEL.COM TAX ID NUMBER: 1-74-1688398-5	2. EXPORTER NAME AND ADDRESS: AMERICAN ALLOY STEEL, INC. 6230 NORTH HOUSTON ROSSLYN ROAD HOUSTON, TX 77040 TEL:713-462-8081 FAX:713-462-1638 TAX ID NUMBER: 1-74-1688398-5
3. PRODUCER NAME AND ADDRESS: ARCELORMITTAL BURNS HARBOR PLATE US HWY 12 BURNS HARBOR, IN USA TEL: N/A EMAIL: N/A TAX ID NUMBER: N/A	4. IMPORTER NAME AND ADDRESS: AMERICAN ALLOY STEEL 6230 N. HOUSTON ROSSLYN RD. HOUSTON, TX 77091 USA TEL: N/A EMAIL: N/A TAX ID NUMBER: N/A

5. DESCRIPTION OF GOOD(S): STEEL PLATE	6. H.S. TARIFF CLASSIFICATION NUMBER	7. ORIGIN CRITERION	8. COUNTRY OF ORIGIN
SO# 677336 PO# 341-1001-TX			
ITEM# 1 – 11 PCS 5/16" x 96" x 480"	7208.51.0030	B	USA

I CERTIFY THAT:

-THE GOODS DESCRIBED IN THIS DOCUMENT QUALIFY AS ORIGINATING AND THE INFORMATION CONTAINED IN THIS DOCUMENT IS TRUE AND ACCURATE. I ASSUME RESPONSIBILITY FOR PROVING SUCH REPRESENTATIONS AND AGREE TO MAINTAIN AND PRRESENT UPON REQUEST OR TO MAKE AVAILABLE DURING A VERIFICATION VISIT, DOCUMENTATION NECESSARY TO SUPPORT THIS CERTIFICATION.

-THIS CERTIFICATE CONSISTS OF ___ PAGES, INCLUDING ALL ATTACHMENTS.

9. CERTIFIER'S SIGNATURE: Daniel Venegas	COMPANY NAME: AMERICAN ALLOY STEEL, INC.
CERTIFIER'S NAME: DANIEL VENEGAS	CERTIFIER'S TITLE: Traffic Coordinator
DATE: 03/05/2021	CERTIFIER TYPE (IMPORT, EXPORTER, PRODUCER): EXPORTER

AMERICAN ALLOY STEEL, INC.

6230 N. HOUSTON ROSSLYN ROAD
HOUSTON, TEXAS 77091
Phone: 713-462-8081 Fax: 713-462-8209

M.T.R. COVER SHEET
03/05/2021

Customer Name	:	INUKSHUK CONSTRUCTION LIMITED	**Control Number:**		1088263
Address	:		**Queued By**	:	Alex Garza
City, State Zip	:	HALIFAX, NS B3J 1S9	**Page Number**	:	1
Attention	:	M.LOSIER	**Total Pages**	:	26
Phone Number	:	1-902-429-0272	**Fax Number**	:	1-902-429-7762
Reference Number	:	677336			
Notes 1	:	P.O. NO. 341-1001-TX			

THE INFORMATION YOU REQUESTED IS ATTACHED.
THANK YOU FOR YOUR BUSINESS !

AASI PLATE NUMBER	HEAT # / SLAB #	MILL
5236100	811S00740 T030113	MITTAL
5236101	811S00740 T030113	MITTAL
5236102	813S60780 T030117	MITTAL
5236103	813S60780 T030116	MITTAL
5236106	813S60780 T030115	MITTAL
5236107	811S00740 T030114	MITTAL
5236108	811S00740 T030112	MITTAL
5236109	811S00740 T030112	ARCELORMITTAL
5236110	813S60780 T030116	ARCELORMITTAL
5236111	811S00740 T030114	ARCELORMITTAL
5236112	811S00740 T030110	ARCELORMITTAL

03/05/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236100
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69103 | DATE SHIPPED 01-28-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 007204

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS INCHES	WIDTH OR DIA. INCHES	LENGTH INCHES	WEIGHT POUNDS	YIELD POINT PSI	TENSILE STRENGTH PSI	AF FRAC. ELONG. IN	RED. % %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA2085 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030112	811S00740	1	5/16	96	480	4084	53100	74600	8	26		
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030113 →	811S00740	2	5/16	96	480	8168	55100	75800	8	25		
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030114	811S00740	1	5/16	96	480	4084	51400	71200	8	26		
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030112		811S00740			.312	V	2/3	L	-50	79	78	81						
T030113		811S00740			.312	V	2/3	L	-50	75	71	70						
T030114		811S00740			.312	V	2/3	L	-50	77	80	112						

Certified true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAD GRAIN SIZE
811S00740	.17	1.07	.011	.006	.32	9.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	

AMERICAN ALLOY PLATE #5236100

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

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FARID HASSANI PER MNT
SUPV. QUALITY ASSURANCE

03/05/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236101
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69103 | DATE SHIPPED 01-28-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 007204

SOLD TO: AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO: AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030112	811S00740	1	5/16	96	480			4084	53100	74600	8	26
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030113 →	811S00740	2	5/16	96	480			8168	55100	75800	8	25
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030114	811S00740	1	5/16	96	480			4084	51400	71200	8	26
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP °F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILLS 1	2	3
T030112		811S00740			.312	V	2/3	L	-50	79	78	81						
T030113		811S00740			.312	V	2/3	L	-50	75	71	70						
T030114		811S00740			.312	V	2/3	L	-50	77	80	112						

Certified true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MO/AD GRAIN SIZE
811S00740	.17	1.07	.011	.006	.32	9.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	

AMERICAN ALLOY PLATE #S23LL21

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

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SUPV. QUALITY ASSURANCE FARID HASSANI PER MWT

03/05/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236102
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO.	DATE SHIPPED	CAR OR VEHICLE NO.
803-69103	01-28-21	IHB-MCCOO-BNSF LMIC 007204

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030115	813S60780	2	5/16	96	480		8168	55800	76800	8	25	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030116	813S60780	1	5/16	96	480		4084	53400	75300	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030117 →	813S60780	2	5/16	96	480		8168	56400	77100	8	25	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP °F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030115		813S60780			.312	V	2/3	L	-50	73	87	85						
T030116		813S60780			.312	V	2/3	L	-50	119	77	81						
T030117		813S60780			.312	V	2/3	L	-50	122	74	39						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MO/AIO GRAIN SIZE
813S60780	.17	1.08	.013	.004	.34	3.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY PLATE # S2BLUEY

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MMT
SUPV. QUALITY ASSURANCE

03/05/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236103
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69103 | DATE SHIPPED 01-28-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 007204

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS INCHES	WIDTH OR DIA. INCHES	LENGTH INCHES	WEIGHT POUNDS	YIELD POINT PSI	TENSILE STRENGTH PSI	AF FRAC. ELONG. IN	RED. %
	T030115		813S60780	2	5/16	96	480	8168	55800	76800	8	25
	T030116		813S60780	1	5/16	96	480	4084	53400	75300	8	26
	T030117		813S60780	2	5/16	96	480	8168	56400	77100	8	25

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030115 813S60780 2 5/16 96 480 8168 55800 76800 8 25
N 1650 DEG F - 15 MIN
(M55)MFST REF#:2

T030116 → 813S60780 1 5/16 96 480 4084 53400 75300 8 26
N 1650 DEG F - 15 MIN
(M55)MFST REF#:2

T030117 813S60780 2 5/16 96 480 8168 56400 77100 8 25
N 1650 DEG F - 15 MIN
(M55)MFST REF#:2

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP °F	CHARPY IMPACT: ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030115		813S60780			.312	V	2/3	L	-50	73	87	65						
T030116		813S60780			.312	V	2/3	L	-50	119	77	81						
T030117		813S60780			.312	V	2/3	L	-50	122	74	39						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MO/AIS GRAIN SIZE
813S60780	.17	1.08	.013	.004	.34	3.21	2	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003

AMERICAN ALLOY PLATE #S2361103

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MNT
SUPV. QUALITY ASSURANCE

03/05/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236106
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69103 | DATE SHIPPED 01-28-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 007204

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GE 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030115 →	813S60780	2	5/16	96	480	8168	55800	76800	8	25		
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030116	813S60780	1	5/16	96	480	4084	53400	75300	8	26		
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030117	813S60780	2	5/16	96	480	8168	56400	77100	8	25		
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030115		813S60780			.312	V	2/3	L	-50	73	87	65						
T030116		813S60780			.312	V	2/3	L	-50	119	77	81						
T030117		813S60780			.312	V	2/3	L	-50	122	74	39						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
D03/16/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MIXED GRAIN SIZE
813S60780	.17	1.08	.013	.004	.34	3.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY
PLATE #623L10

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MNT
SUPV. QUALITY ASSURANCE

03/05/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236107
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69103 | DATE SHIPPED 01-28-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 007204

SOLD TO
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030112	811S00740	1	5/16	96	480		4084	53100	74600	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030113	811S00740	2	5/16	96	480		8168	55100	75800	8	25	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030114 →	811S00740	1	5/16	96	480		4084	51400	71200	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP °F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030112		811S00740			.312	V	2/3	L	-50	79	76	81						
T030113		811S00740			.312	V	2/3	L	-50	75	71	70						
T030114		811S00740			.312	V	2/3	L	-50	77	80	112						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MOLIND GRAIN SIZE
811S00740	.17	1.07	.011	.006	.32	9.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	

AMERICAN ALLOY PLATE #

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MMT
SUPV. QUALITY ASSURANCE

03/05/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236108
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE REPORT OF TEST AND ANALYSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69103 | DATE SHIPPED 01-28-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 007204

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS INCHES	WIDTH OR DIA. INCHES	LENGTH INCHES	WEIGHT POUNDS	YIELD POINT PSI	TENSILE STRENGTH PSI	AF FRAC. ELONG. IN	RED. %	%

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030112 →	811S00740	1	5/16	96	480	4084	53100	74600	8	26			
			N 1650 DEG F - 15 MIN										
(M55)MFST REF#:2													
T030113	811S00740	2	5/16	96	480	8168	55100	75800	8	25			
			N 1650 DEG F - 15 MIN										
(M55)MFST REF#:2													
T030114	811S00740	1	5/16	96	480	4084	51400	71200	8	26			
			N 1650 DEG F - 15 MIN										
(M55)MFST REF#:2													

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030112		811S00740			.312	V	2/3	L	-50	79	78	81						
T030113		811S00740			.312	V	2/3	L	-50	75	71	70						
T030114		811S00740			.312	V	2/3	L	-50	77	80	112						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	EQUIAX GRAIN SIZE
811S00740	.17	1.07	.011	.006	.32	9.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	

AMERICAN ALLOY PLATE #5236108

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MNT
SUPV. QUALITY ASSURANCE

03/05/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236109
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLBES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO.	DATE SHIPPED	CAR OR VEHICLE NO.
803-69100	01-28-21	IHB-MCCOO-BNSF ATW 317180

SOLD TO
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ,
ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME
SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION,
CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT
NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN
10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030112	811S00740	1	5/16	96	480			4084	53100	74600	8	26

N 1650 DEG F - 15 MIN

(M55)MFST REF#:2

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030112		811S00740			.312	V	2/3	L	-50	79	78	81						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
J.K 2/24/2021

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MCUAID GRAIN SIZE
811S00740	.17	1.07	.011	.006	.32	9.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MNT
SUPV. QUALITY ASSURANCE

AMERICAN ALLOY PLATE #5236109

03/05/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236110
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO.	DATE SHIPPED	CAR OR VEHICLE NO.
803-69105	01-29-21	IHB-MCCOO-BNSF LMIC 200040

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030110	811S00740	1	5/16	96	480			4084	54500	75100	8	26
(M55)MFST REF#:2			N 1650 DEG F - 15 MIN										
T030114	811S00740	1	5/16	96	480			4084	51400	71200	8	26
(M55)MFST REF#:2			N 1650 DEG F - 15 MIN										
T030116	813S60780	1	5/16	96	480			4084	53400	75300	8	26
(M55)MFST REF#:2			N 1650 DEG F - 15 MIN										

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP. F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030110		811S00740			.312	V	2/3	L	-50	73	71	61						
T030114		811S00740			.312	V	2/3	L	-50	77	80	112						
T030116		813S60780			.312	V	2/3	L	-50	119	77	81						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
J.P 3/3/2021

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAD GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	
813S60780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MNT
SUPV. QUALITY ASSURANCE

AMERICAN ALLOY
PLATE # 5236110

03/05/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236111
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69105 | DATE SHIPPED 01-29-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 200040

SOLD TO
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY THICKNESS INCHES	WIDTH OR DIA. INCHES	LENGTH INCHES	WEIGHT POUNDS	YIELD POINT PSI	TENSILE STRENGTH PSI	AF FRAC. ELONG. IN	RED. % %
			QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.									
			PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR. 60 PVQ 2019 EDITION, CH-V SA2085 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1									
			NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)									
			CO# 125823 GH 377-1561A									
			PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL									
			MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER									
	T030110	811S00740	1	5/16	96	480		4084	54500	75100	8	26
	(M55)MFST REF#:2			N 1650 DEG F - 15 MIN								
→	T030114	811S00740	1	5/16	96	480		4084	51400	71200	8	26
	(M55)MFST REF#:2			N 1650 DEG F - 15 MIN								
	T030116	813S60780	1	5/16	96	480		4084	53400	75300	8	26
	(M55)MFST REF#:2			N 1650 DEG F - 15 MIN								

Q-QUENCH TEMPERATURE
T-TEMPER TEMPERATURE
N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030110		811S00740			.312	V	2/3	L	-50	75	71	61						
T030114		811S00740			.312	V	2/3	L	-50	77	80	112						
T030116		813S60780			.312	V	2/3	L	-50	119	77	81						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
J.V 3/3/2021

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MIXED GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	
813S60780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

SHPLTRPT.TIF

SUPV. QUALITY ASSURANCE

FARID HASSANI PER MWT

AMERICAN ALLOY
PLATE # 5236111

03/05/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236112
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69105 | DATE SHIPPED 01-29-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 200040

SOLD TO
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY THICKNESS INCHES	WIDTH OR DIA. INCHES	LENGTH INCHES	WEIGHT POUNDS	YIELD POINT PSI	TENSILE STRENGTH PSI	AF FRAC. ELONG. IN	RED. % %
			QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.									
			PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1									
			CO# 125823 GH 377-1561A									
			PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL									
→			MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER									
	T030110	811S00740	1	5/16	96	480		4084	54500	75100	8	26
	(M55)MFST REF#:2				N 1650 DEG F - 15 MIN							
	T030114	811S00740	1	5/16	96	480		4084	51400	71200	8	26
	(M55)MFST REF#:2				N 1650 DEG F - 15 MIN							
	T030116	813S60780	1	5/16	96	480		4084	53400	75300	8	26
	(M55)MFST REF#:2				N 1650 DEG F - 15 MIN							

Q-QUENCH TEMPERATURE
T-TEMPER TEMPERATURE
N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030110		811S00740			.312	V	2/3	L	-50	75	71	61						
T030114		811S00740			.312	V	2/3	L	-50	77	80	112						
T030116		813S60780			.312	V	2/3	L	-50	119	77	81						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
3/3/2021

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MOLIAD GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	
813S60780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

SUPV. QUALITY ASSURANCE FARID HASSANI PER MWT

AMERICAN ALLOY
PLATE # 5236112

STRAIGHT BILL OF LADING - SHORT FORM - ORIGINAL - NOT NEGOTIABLE
AMERICAN ALLOY STEEL, INC.

CARRIER: ITM

FROM: AMERICAN ALLOY STEEL, INC.
6230 N HOUSTON-ROSSLYN
HOUSTON, TX. 77091
1-713-462-8081

DATE: 03/17/2021

BILL OF LADING: 679464

CONSIGNED TO: TECHFORM-MONTAL
DESTINATION : 3139 BOUL DES ENTREPRISES
TERREBONNE, QC
J6X 4J9
CANADA

CUSTOMS: SEAMONT BROKERAGE
PH:514-931-0306/FAX:514-363-5564

SUBJECT TO SECTION 7 OF CONDITIONS OF APPLICABLE BILL OF LADING, 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.

*** FREIGHT CHARGES: PREPAID

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 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 SAID PROPERTY, THAT EVERY 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 THE UNIFORM FREIGHT CLASSIFICATION 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, INCLUDING THOSE ON THE BACK THEREOF, 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.

Permanent post-office address of shipper:
AMERICAN ALLOY STEEL, INC.
P.O.BOX 40469
HOUSTON, TX 77240

Load must be secured
before leaving premises.

Driver Signature/Date

ITM

QTY	DESCRIPTION OF ARTICLES	WGT (LBS)	PL NO	SO NO	PO NO
	--- C L A S S - 50 S T E E L ---				
9	5/16" X 96" X 480"	36756	709215	677336	341-1001-TX
3	1/4" X 96" X 480"	9801	709215	677336	341-1001-TX
	" X FREIGHT, CUSTOMS & BROKERAGE (BASED ON 4 FTL)		709215	677336	341-1001-TX
12	T O T A L S	46557			

12 LOOSE STEEL PLATES
1 ENVELOPE
ENVELOPE MUST DELIVER WITH FREIGHT

LOADED BY _____ DATE _____ PER ATTACHED PACKING LIST(S)

RECEIVED BY _____ DATE _____

MRR #007

STRAIGHT BILL OF LADING - SHORT FORM - ORIGINAL - NOT NEGOTIABLE
AMERICAN ALLOY STEEL, INC.

CARRIER: ITM

FROM: AMERICAN ALLOY STEEL, INC.
6230 N HOUSTON-ROSSLYN
HOUSTON, TX. 77091
1-713-462-8081

DATE: 03/17/2021

BILL OF LADING: 679464

CONSIGNED TO: TECHFORM-MONTAL
DESTINATION : 3139 BOUL DES ENTREPRISES
TERREBONNE, QC
J6X 4J9
CANADA

CUSTOMS: SEAMONT BROKERAGE
PH:514-931-0306/FAX:514-363-5564

SUBJECT TO SECTION 7 OF CONDITIONS OF APPLICABLE BILL OF LADING, 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.

*** FREIGHT CHARGES: PREPAID

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 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 SAID PROPERTY, THAT EVERY 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 THE UNIFORM FREIGHT CLASSIFICATION 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; INCLUDING THOSE ON THE BACK THEREOF, 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.

Permanent post-office address of shipper:
AMERICAN ALLOY STEEL, INC.
P.O.BOX 40469
HOUSTON, TX 77240

Load must be secured
before leaving premises.

Driver Signature/Date

ITM

QTY	DESCRIPTION OF ARTICLES	WGT (LBS)	PL NO	SO NO	PO NO
	--- C L A S S - 50 S T E E L ----				
9	5/16" X 96" X 480"	36756	709215	677336	341-1001-TX
3	1/4" X 96" X 480"	9801	709215	677336	341-1001-TX
	" X FREIGHT, CUSTOMS & BROKERAGE (BASED ON 4 FTL)		709215	677336	341-1001-TX
12	T O T A L S	46557			

12 LOOSE STEEL PLATES
1 ENVELOPE
ENVELOPE MUST DELIVER WITH FREIGHT

LOADED BY_____ DATE_____ PER ATTACHED PACKING LIST(S)

RECEIVED BY_____ DATE_____

Canada Customs and Revenue Agency | Agence des douanes et du revenu du Canada

CANADA CUSTOMS INVOICE
FACTURE DES DOUANES CANADIENNES

1. Vendor (name and address) - Vendeur (nom et adresse)

American Alloy Steel
230 N. Houston Rosslyn Rd
Houston, TX 77091
Tel: (713) 462-8081 Fax: (713) 462-1638

2. Date of direct shipment to Canada - Date d'expédition directe vers le Canada

03/17/2021

3. Other references (include purchaser's order no.)
Autres références (inclure le n° de commande de l'acheteur)

PO# 341-1001-TX S/O: 677336

4. Consignee (name and address) - Destinataire (nom et adresse)

TECHFORM-MONTAL
3139 BOUL DES ENTREPRISES
TERREBONNE, QC J6X 4J9
CANADA

5. Purchaser's name and address (if other than consignee)
Nom et adresse de l'acheteur (s'il diffère du destinataire)

AMERICAN ALLOY STEEL
6230 N. HOUSTON ROSSLYN RD.
HOUSTON, TX 77091
USA

6. Country of transhipment - Pays de transbordement

USA

7. Country of origin of goods
Pays d'origine des marchandises

USA

IF SHIPMENT INCLUDES GOODS OF DIFFERENT ORIGINS AGAINST ITEMS IN 12. SI L'EXPEDITION COMPREND DES MARCHANDISES D'ORIGINES DIFFERENTES, PRECISEZ LEUR PROVENANCE EN 12

8. Transportation: Give mode and place of direct shipment to Canada
Transport: Precisez model et point d'expedition directe vers le Canada

ITM
CUSTOMS: SEAMONT BROKERAGE
PH#514-931-0306 FAX#514-363-5564

9. Conditions of sale and terms of payment
(i.e. Sale, consignment shipment, leased goods, etc.)
Conditions de vente et modalitiés de palement
(p. ex. vente, expédition en consignation, location de marchandises, etc.)

SALE

10. Currency of settlement - Devises du palement

US FUNDS

11. Number of packages Nombre de colis	12. Specification of commodities (kind of packages, marks and numbers, general description and characteristics, i.e., grad,e quality) Désignation des articles (nature des colis, marques et numéros, description générale et caractéristiques, p. ex, classe, qualité)	13. Quantity (state unit) Quantité (précisez l'unité)	Selling price - Prix de vente	
			14. Unit Price Prix unitaire	15. Total
	STEEL PLATE			
	5/16" x 96" x 480" - USA	9	$3349.00	$30141.00
	1/4" x 96" x 480" - USA	3	$2679.00	$8037.00

18. If any of fields 1 to 17 are included on an attached commercial invoice, check this box
Si tout renseignement relativement aux zones 1 à 17 figure sur une ou des factures commerciales ci-attachees, cochez cette case ☑
Commercial Invoice No. / N° de la facture commerciale 0321336/001IX

16. Total Weight - Poids Total

Net	Gross - Brut
46557 LBS	46557 LBS

17. Invoice total
Total de la facture

$38178.00

19. Exporter's name and address (if other than vendor)
Nom et adresse de l'exportateur (s'il differe du vendeur)

20. Originator (name and address) - Expéditeur d'origine (nom et adresse)

21. CCRA ruling (if applicable) - Décision de l'Agence (s'il y a lieu)

22. If fields 23 to 25 are not applicable, check this box ☐
Si les zones 23 à 25 sont sans objet, cochez cette case

23. If included in field 17 indicate amount:
Si compris dans le total à la zone 17, précisez:

(i) Transportation charges, expenses and insurance from the place of direct shipment to Canada
Les frais de transport, dépenses et assurances à partir du point d'expédition directe vers le Canada

(ii) Costs for construction, erection and assembly incurred after importation into Canada
Les coûts de construction ,d'érection et d'assemblage après importation au Canada

(iii) Export packing
Le coût de l'emballage d'exportation

24. If not included in field 17 indicate amount:
Si non compris dans le total à la zone 17, précisez:

(i) Transportation charges, expenses, and insurance from the place of direct shipment to Canada
Les frais de transport, dépenses et assurances jusqu'au point d'expédition directe vers le Canada

(ii) Amounts for commissions other than buying commissions
Les commissions autres que celles versées pour l'achat

(iii) Export packing
Le coût de l'emballage d'exportation

25. Check (if applicable):
Cochez (s'il y a lieu):

(i) Royalty payments or subsequent proceeds are paid or payable by the purchaser
Des redevances ou produits ont été ou seront versés par l'acheteur ☐

(ii) The purchaser has supplied goods or services for use in the production of these goods
L'acheteur a fourni des marchandises ou des services pour la production de ces marchandises ☐

AMERICAN ALLOY STEEL, INC.
6230 N Houston-Rosslyn
P.O. Box 40469
HOUSTON, TX 77240-0469
PHONE (713) 462-8081 FAX (713) 462-0527

PINVOICE NO. 0321336/001TX **DATE: 03/17/2021**

SHOP ORDER: 677336

SOLD TO: 308500 PHONE: 1-902-429-0272
INUKSHUK CONSTRUCTION LIMITED
1869 UPPER WATER STREET SUITE AH202
HALIFAX, NS B3J 1S9
CANADA
FAX: 1-902-429-7762

SHIP TO: 3
TECHFORM-MONTAL
3139 BOUL DES ENTREPRISES
TERREBONNE, QC
J6X 4J9

CUST PO NO	BUYER NAME	---SALESMEN----
341-1001-TX	M.LOSIER	FCL/SEL/ /CAN

FOB POINT	SHIP VIA	TERMS	TAX ID
DELIVERED	ITM	PPD	74-1688398

SHIPPING REF	MTRs REQD W/INV	W/SHP	SHIP WGT	PARTIAL OK	REQD SHIP
	0	1	46557	N	04/05/2021

ITEM	QTY	THKNSS	MATERIAL/ITEM DESCRIPTION	PRC EACH	PRC EXTD
			ASME SA 516 GRADE 70, KILLED, FINE GRAIN, NORMALIZED		
1	9	5/16"	96" X 480"	3349.00	30141.00
2	3	1/4"	96" X 480"	2679.00	8037.00

TOTAL AMOUNT (excl applicable taxes) 38178.00 US DLRS

Please examine the above carefully and notify your American Alloy Steel salesman of any changes, otherwise the order will be shipped as shown.

UNITED STATES–MEXICO–CANADA AGREEMENT (USMCA)

CERTIFICATE OF ORIGIN

1. CERTIFIER NAME AND ADDRESS:	2. EXPORTER NAME AND ADDRESS:
DANIEL VENEGAS 6230 NORTH HOUSTON ROSSLYN ROAD HOUSTON, TX 77040 TEL:713-462-8081 EMAIL:DANIEL@AASTEEL.COM TAX ID NUMBER: 1-74-1688398-5	AMERICAN ALLOY STEEL, INC. 6230 NORTH HOUSTON ROSSLYN ROAD HOUSTON, TX 77040 TEL:713-462-8081 FAX:713-462-1638 TAX ID NUMBER: 1-74-1688398-5
3. PRODUCER NAME AND ADDRESS: ARCELORMITTAL BURNS HARBOR PLATE US HWY 12 BURNS HARBOR, IN USA TEL: N/A EMAIL: N/A TAX ID NUMBER: N/A	4. IMPORTER NAME AND ADDRESS: AMERICAN ALLOY STEEL 6230 N. HOUSTON ROSSLYN RD. HOUSTON, TX 77091 USA TEL: N/A EMAIL: N/A TAX ID NUMBER: N/A

5. DESCRIPTION OF GOOD(S): STEEL PLATE SO# 677336 PO# 341-1001-TX	6. H.S. TARIFF CLASSIFICATION NUMBER	7. ORIGIN CRITERION	8. COUNTRY OF ORIGIN
ITEM# 1 – 8 PCS 5/16" x 96" x 480"	7208.51.0030	B	USA

I CERTIFY THAT:

-THE GOODS DESCRIBED IN THIS DOUCUMENT QUALIFY AS ORIGINATING AND THE INFORMATION CONTAINED IN THIS DOCUMENT IS TRUE AND ACCURATE. I ASSUME RESPONSIBILITY FOR PROVING SUCH REPRESENTATIONS AND AGREE TO MAINTAIN AND PRESENT UPON REQUEST OR TO MAKE AVAILABLE DURING A VERIFICATION VISIT, DOCUMENTATION NECESSARY TO SUPPORT THIS CERTIFICATION.

-THIS CERTIFICATE CONSISTS OF ___ PAGES, INCLUDING ALL ATTACHMENTS.

10. CERTIFIER'S SIGNATURE: Daniel Venegas	COMPANY NAME: AMERICAN ALLOY STEEL, INC.
CERTIFIER'S NAME: DANIEL VENEGAS	CERTIFIER'S TITLE: Traffic Coordinator
DATE: 03/17/2021	CERTIFIER TYPE (IMPORT, EXPORTER, PRODUCER): EXPORTER

UNITED STATES–MEXICO–CANADA AGREEMENT (USMCA)

CERTIFICATE OF ORIGIN

1. CERTIFIER NAME AND ADDRESS:	2. EXPORTER NAME AND ADDRESS:
DANIEL VENEGAS 6230 NORTH HOUSTON ROSSLYN ROAD HOUSTON, TX 77040 TEL:713-462-8081 EMAIL:DANIEL@AASTEEL.COM TAX ID NUMBER: 1-74-1688398-5	AMERICAN ALLOY STEEL, INC. 6230 NORTH HOUSTON ROSSLYN ROAD HOUSTON, TX 77040 TEL:713-462-8081 FAX:713-462-1638 TAX ID NUMBER: 1-74-1688398-5
3. PRODUCER NAME AND ADDRESS:	4. IMPORTER NAME AND ADDRESS:
NUCOR PLATE MILL P.O. BOX 279 WINTON, NC 27986 USA TEL: N/A EMAIL: N/A TAX ID NUMBER: N/A	AMERICAN ALLOY STEEL 6230 N. HOUSTON ROSSLYN RD. HOUSTON, TX 77091 USA TEL: N/A EMAIL: N/A TAX ID NUMBER: N/A

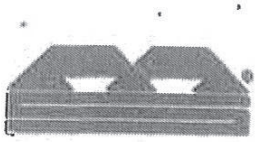
5. DESCRIPTION OF GOOD(S): STEEL PLATE SO# 677336 PO# 341-1001-TX	6. H.S. TARIFF CLASSIFICATION NUMBER	7. ORIGIN CRITERION	8. COUNTRY OF ORIGIN
ITEM# 1 – 1 PC 5/16" x 96" x 480"	7208.51.0030	B	USA
ITEM# 2 – 3 PCS 1/4" x 96" x 480"	7208.52.0000	B	USA

I CERTIFY THAT:

-THE GOODS DESCRIBED IN THIS DOCUMENT QUALIFY AS ORIGINATING AND THE INFORMATION CONTAINED IN THIS DOCUMENT IS TRUE AND ACCURATE. I ASSUME RESPONSIBILITY FOR PROVING SUCH REPRESENTATIONS AND AGREE TO MAINTAIN AND PRESENT UPON REQUEST OR TO MAKE AVAILABLE DURING A VERIFICATION VISIT, DOCUMENTATION NECESSARY TO SUPPORT THIS CERTIFICATION.

-THIS CERTIFICATE CONSISTS OF ___ PAGES, INCLUDING ALL ATTACHMENTS.

10. CERTIFIER'S SIGNATURE: Daniel Venegas	COMPANY NAME: AMERICAN ALLOY STEEL, INC.
CERTIFIER'S NAME: DANIEL VENEGAS	CERTIFIER'S TITLE: Traffic Coordinator
DATE: 03/17/2021	CERTIFIER TYPE (IMPORT, EXPORTER, PRODUCER): EXPORTER



AMERICAN ALLOY STEEL, INC.

6230 N. HOUSTON ROSSLYN ROAD
HOUSTON, TEXAS 77091
Phone: 713-462-8081 Fax: 713-462-8209

M.T.R. COVER SHEET
03/17/2021

Customer Name	:	INUKSHUK CONSTRUCTION LIMITED	**Control Number:**		1089308
Address	:		**Queued By**	:	Alex Garza
City, State Zip	:	HALIFAX, NS B3J 1S9	**Page Number**	:	1
Attention	:	M.LOSIER	**Total Pages**	:	
Phone Number	:	1-902-429-0272	**Fax Number**	:	1-902-429-7762
Reference Number	:	677336			
Notes 1	:	P.O. NO. 341-1001-TX			

THE INFORMATION YOU REQUESTED IS ATTACHED.
THANK YOU FOR YOUR BUSINESS !

AASI PLATE NUMBER	HEAT # / SLAB #	MILL
5236099	811S00740 T030110	ARCELORMITTAL
5236114	813S60780 T030119	MITTAL
5236115	813S60780 T030118	MITTAL
5236116	811S00740 T030111	MITTAL
5236117	811S00740 T030111	MITTAL
5236118	813S60780 T030120	MITTAL
5239608	813S60780 T030119	MITTAL
5239609	813S60780 T030118	MITTAL
5239636	1600012 03	NUCOR MILL

03/17/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236099
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO.	DATE SHIPPED	CAR OR VEHICLE NO.
803-68843	01-20-21	THB-MCCOO-BNSF LMIC 007002

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030110	811S00740	1	5/16	96	480		4084	54500	75100	8	26	
			N	1650 DEG F -	15 MIN							

(M55)MFST REF#:2

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030110		811S00740			INCHES .312	V	2/3	L	-50	75	71	61						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL.
J.P 3/8/2021

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MOLIARD GRAIN SIZE
811S00740	.17	1.07	.011	.006	.32	9.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	

AMERICAN ALLOY
PLATE #5236099

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/17/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236114
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANALYSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69511 | DATE SHIPPED 02-04-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF BVRY 062064

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030111	811S00740	2	5/16	96	480		8168	54800	75600	8	25		
			N 1650 DEG F - 15 MIN										
(M55)MFST REF#:2													
T030118	813S60780	2	5/16	96	480		8168	54000	75500	8	26		
			N 1650 DEG F - 15 MIN										
(M55)MFST REF#:2													
T030119 →	813S60780	2	5/16	96	480		8168	53700	75800	8	26		
			N 1650 DEG F - 15 MIN										
(M55)MFST REF#:2													

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030111		811S00740			.312	V	2/3	L	-50	104	79	87						
T030118		813S60780			.312	V	2/3	L	-50	116	115	114						
T030119		813S60780			.312	V	2/3	L	-50	82	82	72						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
3/17/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAD GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	
813S60780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY
PLATE #5236114

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/17/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX . . S.O.#: 677336 AA PL#: 5236115
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSIS

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69511 | DATE SHIPPED 02-04-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF BVRY 062064

SOLD TO
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN %	%

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030111	811S00740	2	5/16	96	480	8168	54800	75600	8	25			
			N 1650 DEG F - 15 MIN										
(M55)MFST REF#:2													
T030118 →	813S60780	2	5/16	96	480	8168	54000	75500	8	26			
			N 1650 DEG F - 15 MIN										
(M55)MFST REF#:2													
T030119	813S60780	2	5/16	96	480	8168	53700	75800	8	26			
			N 1650 DEG F - 15 MIN										
(M55)MFST REF#:2													

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030111		811S00740			.312	V	2/3	L	-50	104	79	87						
T030118		813S60780			.312	V	2/3	L	-50	116	115	114						
T030119		813S60780			.312	V	2/3	L	-50	82	82	72						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
3/17/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MIXED GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	
813S60780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY PLATE # S236115

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

SHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/17/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236116
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANALYSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO.	DATE SHIPPED	CAR OR VEHICLE NO.
803-69511	02-04-21	IHB-MCCOO-BNSF BVRY 062064

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS INCHES	WIDTH OR DIA. INCHES	LENGTH INCHES	WEIGHT POUNDS	YIELD POINT PSI	TENSILE STRENGTH PSI	AF FRAC. ELONG. IN	RED. % %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA2085 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030111 →	811800740	2	5/16	96	480	8168	54800	75600	8	25		
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030118	813860780	2	5/16	96	480	8168	54000	75500	8	26		
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030119	813860780	2	5/16	96	480	8168	53700	75800	8	26		
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP °F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EX[3] MILS 1	2	3
T030111		811800740			.312	V	2/3	L	-50	104	79	87						
T030118		813860780			.312	V	2/3	L	-50	116	115	114						
T030119		813860780			.312	V	2/3	L	-50	82	82	72						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
3/17/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MIQUAID GRAIN SIZE
811800740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	
813860780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY
PLATE# 5236116

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/17/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P:O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236117
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69511 | DATE SHIPPED 02-04-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF BVRY 062064

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030111 →	811S00740	2	5/16	96	480			8168	54800	75600	8	25	
			N 1650 DEG F - 15 MIN										
(M55)MFST REF#:2													
T030118	813S60780	2	5/16	96	480			8168	54000	75500	8	26	
			N 1650 DEG F - 15 MIN										
(M55)MFST REF#:2													
T030119	813S60780	2	5/16	96	480			8168	53700	75800	8	26	
			N 1650 DEG F - 15 MIN										
(M55)MFST REF#:2													

Q-QUENCH TEMPERATURE | T-TEMPER TEMPERATURE | N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030111		811S00740			.312	V	2/3	L	-50	104	79	87						
T030118		813S60780			.312	V	2/3	L	-50	116	115	114						
T030119		813S60780			.312	V	2/3	L	-50	82	82	72						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
3/17/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MOLVD GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	
813S60780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY PLATE # 5236117

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/17/2021. From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236118
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANALYSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69511 | DATE SHIPPED 02-04-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF BVRY 062064

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030120	813860780	1	5/16	96	480	4084	53200	75500	8	26		
			N	1650 DEG F -	15 MIN							

(M55)MFST REF#:2

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	CHARPY IMPACT: THICKNESS	TYPE	SIZE	DIR	TEST TEMP F	ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
					INCHES													
T030120		813860780			.312	V	2/3	L	-50	73	68	80						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
3/17/21

HEAT NUMBER	CHEMICAL ANALYSIS: C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MODIFIED GRAIN SIZE
813860780	.17	1.08	.013	.004	.34	3.21	2.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY
PLATE # 5236118

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MMT
SUPV. QUALITY ASSURANCE

03/17/2021, From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P:O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5239608
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANALYSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO.	DATE SHIPPED	CAR OR VEHICLE NO.
803-69511	02-04-21	IHB-MCCOO-BNSF BVRY 062064

SOLD TO: AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO: AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030111	811S00740	2	5/16	96	480		8168	54800	75600	8	25
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030118	813S60780	2	5/16	96	480		8168	54000	75500	8	26
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030119 →	813S60780	2	5/16	96	480		8168	53700	75800	8	26
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP °F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030111		811S00740			.312	V	2/3	L	-50	104	79	87						
T030118		813S60780			.312	V	2/3	L	-50	116	115	114						
T030119		813S60780			.312	V	2/3	L	-50	82	82	72						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
3/17/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAID GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002		.002	.004	.003
813S60780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002		.002	.003	.003

AMERICAN ALLOY
PLATE # 5239608

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MNT
SUPV. QUALITY ASSURANCE

03/17/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5239609
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANALYSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69511 | DATE SHIPPED 02-04-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF BVRY 062064

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS INCHES	WIDTH OR DIA. INCHES	LENGTH INCHES	WEIGHT POUNDS	YIELD POINT PSI	TENSILE STRENGTH PSI	AF FRAC. ELONG. IN	RED. % %
	T030111		811800740	2	5/16	96	480	8168	54800	75600	8	25
					N 1650 DEG F - 15 MIN							
	T030118		813860780	2	5/16	96	480	8168	54000	75500	8	26
					N 1650 DEG F - 15 MIN							
	T030119		813860780	2	5/16	96	480	8168	53700	75800	8	26
					N 1650 DEG F - 15 MIN							

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA2085 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

(M55)MFST REF#:2

(M55)MFST REF#:2

(M55)MFST REF#:2

Q-QUENCH TEMPERATURE | T-TEMPER TEMPERATURE | N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030111		811800740			.312	V	2/3	L	-50	104	79	87						
T030118		813860780			.312	V	2/3	L	-50	116	115	114						
T030119		813860780			.312	V	2/3	L	-50	82	82	72						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
3/17/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MOLARD GRAIN SIZE
811800740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	
813860780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY PLATE # 5239609

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/17/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5239636
Item: 1 (1 PC) 5/16" X 96" X 480"

AMERICAN ALLOY
PLATE # 5239636

NUCOR
PLATE MILL

P.O.Box 279
Winton, NC 27986
(252) 356-3700

Mill Test Report

1505 River Rd
Cofield, NC 27922
(252) 356-3700

NUCOR
It's Our Nature.

Issuing Date : 02/04/2021 B/L No. : 581266 Load No. : 593742 Our Order No. : 184010/1 Cust. Order No. : 125998

Vehicle No: LW 62025

Specification: 0.3125" x 96.000" x 480.000"
ASTM A516 70/65/60-17/ASME SA516-70/65/60 PVQ 2019/2017
Normalized Plate NACE MR0175 Annex 2.1.2 (2015), MR0103 (2016)
Section 2.1.2 Compliant (2015) 13.1.1, 13.1.2)Vacuum Degassed

Marking : 125998

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7238
MILE 664 LN SEG 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
1600012	0.18	1.04	0.008	0.001	0.17	0.22	0.10	0.09	0.02	0.033	0.004	0.003	0.002	0.0019	0.0021	0.0003	0.009	0.40	0.26

Plate Serial No	Pieces	Tons	Tensile Test Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"	Heat Treat Norm (°F)	Time (min)	Temper (°F)	Time (min)
1600012-03	1	2.04	H-T	53,200	78,300	33.9		1650	16		

Plate Serial No	Pieces	Tons	Charpy Impacts Dir.	Absorbed Energy (Ft-lbs) (ft-lbs) 1	(ft-lbs) 2	(ft-lbs) 3	(ft-lbs) Ave	Min	Lateral Expansion (in.) (in.) 1	(in.) 2	(in.) 3	(in.) Ave	(in.) Min	Shear (%) (%) 1	(%) 2	(%) 3	(%) Ave	Min	Temp (°F)	Size
1600012-03	1	2.04	H-L	54.7	40.8	52.6	49.4	15											-50	5mm

Certified a true copy of the
original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
2/3/21

HOT ROLLED CARBON STEEL PLATE
TEST COUPONS TAKEN FROM HEAT TREATED PLATE
Piece frequency charpy;

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material. Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted in Specification. For Mexico shipments:nhc-SalesMX@nucor.com
Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((Cr+Mo+V)/5)+((Cu+Ni)/15)
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
Melted and Manufactured in the USA. ISO 9001:2015 certified. PED 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant.
DIN 50049 3.1.B/EN 10204 3.1B(2004), DIN EN 10204 3.1(2005) compliant. For ABS grades only, Quality Assurance certificate QA-3624366

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications, including customer specifications.

T. A. Depretis, Metallurgist

2/4/2021 5:56:04 PM

AMERICAN ALLOY STEEL, INC.

6230 N. HOUSTON ROSSLYN ROAD
HOUSTON, TEXAS 77091
Phone: 713-462-8081 Fax: 713-462-8209

M.T.R. COVER SHEET
03/17/2021

Customer Name : INUKSHUK CONSTRUCTION LIMITED
Address :
City, State Zip : HALIFAX, NS B3J 1S9
Attention : M.LOSIER
Phone Number : 1-902-429-0272
Reference Number : 677336
Notes 1 : P.O. NO. 341-1001-TX

Control Number: 1089316
Queued By : Alex Garza
Page Number : 1
Total Pages : 4
Fax Number : 1-902-429-7762

THE INFORMATION YOU REQUESTED IS ATTACHED.
THANK YOU FOR YOUR BUSINESS !

AASI PLATE NUMBER	HEAT # / SLAB #	MILL
5232725	0200021 01	NUCOR PLATE
5232726	0200021 01	NUCOR PLATE
5232727	0200021 01	NUCOR PLATE

03/17/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5232725
Item: 2 (1 PC) 1/4" X 96" X 480"

NUCOR PLATE MILL
P.O.Box 279
Winton, NC 27986
(252) 358-3700

Mill Test Report

AMERICAN ALLOY PLATE # 5232725

1505 River Rd
Cofield, NC 27922
(252) 358-3700

NUCOR It's Our Nature

Issuing Date: 01/17/2021 B/L No.: 579490 Load No.: 592185 Our Order No.: 180671/6

Vehicle No: ALY 91698

Specification: 0.2500" x 96.000" x 480.000"
ASTM A516 70/65/60/485-17/ASME SA516-70/65/60/485 PVQ 2019/2017
Normalized Plate NACE MR0175 Annex 2.1.2 (2015), MR0103 (2010)
Section 2.1.2 (2015) 13.1.1, 13.1.2) Compliant

Marking: 125135

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Cust. Order No.: 125135

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7226
MILE 664 LN SEG 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
0200021	0.19	0.96	0.010	0.000	0.21	0.16	0.05	0.04	0.01	0.027	0.004	0.000	0.001		0.0010	0.0001	0.000	0.38	0.28

Tensile Test

Plate Serial No	Pieces	Tons	Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"
0200021-01	4	6.53	H-T	49,400	71,900	40.0	

Heat Treat

Norm (°F)	Time (min)	Temper (°F)	Time (min)
1650	14		

Charpy Impacts

Plate Serial No	Pieces	Tons	Dir.	Absorbed Energy (Ft-lbs) (ft-lbs) 1	(ft-lbs) 2	(ft-lbs) 3	(ft-lbs) Ave	Min	Lateral Expansion (in.) (in.) 1	(in.) 2	(in.) 3	(in.) Ave	(in.) Min	Shear (%) (%) 1	(%) 2	(%) 3	(%) Ave	Min	Temp (°F)	Size
0200021-01	4	6.53	H-L	60.5	56.2	62.4	59.4	15											-50	5mm

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
J.K 2/26/2021

HOT ROLLED CARBON STEEL PLATE
TEST COUPONS TAKEN FROM HEAT TREATED PLATE
Place frequency charpy;

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material. Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted in Specification. For Mexico shipments:nhc-Sales@nucor.com
Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((Cr+Mo+V)/5)+((Cu+Ni)/15)
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
Melted and Manufactured in the USA. ISO 9001:2015 certified. PED 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant.
DIN 50049 3.1.B/EN 10204 3.1B(2004), DIN EN 10204 3.1(2005) compliant. For ABS grades only, Quality Assurance certificate QA-3824366

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications, including customer specifications.

T. A. Depretis, Metallurgist

1/17/2021 10:03:29 AM

03/17/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5232726
Item: 2 (1 PC) 1/4" X 96" X 480"

NUCOR PLATE MILL
P.O.Box 279
Winton, NC 27986
(252) 356-3700

Mill Test Report

1505 River Rd
Cofield, NC 27922
(252) 356-3700
NUCOR It's Our Nature

AMERICAN ALLOY PLATE #5232726

Issuing Date: 01/17/2021 B/L No. : 579490 Load No. : 592195 Our Order No. : 1806716 Cust. Order No. : 125135

Vehicle No: ALY91696

Specification: 0.2500" x 96.000" x 480.000"
ASTM A516 70/65/60/485-17/ASME SA516-70/65/60/485 PVQ 2019/2017
Normalized Plate NACE MR0175 Annex 2.1.2 (2015), MR0103 (2016)
Section 2.1.2 (2015) 13.1.1, 13.1.2) Compliant

Marking: 125135

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 72:26
MILE 664 LN # EB 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
0200021	0.19	0.98	0.010	0.000	0.21	0.16	0.05	0.04	0.01	0.027	0.004	0.000	0.031		0.0010	0.0001	0.000	0.38	0.25

Plate Serial No	Pieces	Tons	Tensile Test Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"	Heat Treat Norm (°F)	Time (min)	Temper (°F)	Time (min)
0200021-01	4	6.53	H-T	49,400	71,900	40.0		1650	14		

Plate Serial No	Pieces	Tons	Charpy Impacts Dir.	Absorbed Energy (Ft-lbs) (ft-lbs) 1	(ft-lbs) 2	(ft-lbs) 3	(ft-lbs) Ave	Min	Lateral Expansion (in.) (in.) 1	(in.) 2	(in.) 3	(in.) Ave	(in.) Min	Shear (%) (%) 1	(%) 2	(%) 3	(%) Ave	Min	Temp (°F)	Size
0200021-01	4	6.53	H-L	60.5	55.2	62.4	59.4	15											-50	5mm

HOT ROLLED CARBON STEEL PLATE
TEST COUPONS TAKEN FROM HEAT TREATED PLATE
Piece frequency charpy:

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
JK 2/26/2021

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material.
Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted in Specification. For Mexico shipments: nhc-SalesMX@nucor.com
Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((Cr+Mo+V)/5)+((Cu+Ni)/15)
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
Melted and Manufactured in the USA. ISO 9001:2015 certified. PED 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant.
DIN 50049 3.1.B/EN 10204 3.1B(2004), DIN EN 10204 3.1(2005) compliant. For ABS grades only, Quality Assurance certificate QA-3624366

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications, including customer specifications.

T. A. Depretis, Metallurgist

1/17/2021 10:03:29 AM

03/17/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5232727
Item: 2 (1 PC) 1/4" X 96" X 480"

NUCOR
PLATE MILL

P.O.Box 279
Winton, NC 27986
(252) 356-3700

Mill Test Report

1505 River Rd
Cofield, NC 27922
(252) 356-3700

NUCOR
It's Our Nature.

AMERICAN ALLOY PLATE # 5232727

Issuing Date: 01/17/2021 B/L No.: 578490 Load No.: 582195 Our Order No.: 180671/6 Cust. Order No.: 125135

Vehicle No: ALY91698

Specification: 0.2500" x 96.000" x 480.000"
ASTM A516 70/65/60/485-17/ASMESA516-70/65/60/485 PVQ 2019/2017
Normalized Plate NACEMR0175 Annex 2.1.2 (2015), MR0103 (2010)
Section 2.1.2 (2015) 13.1.1, 13.1.2)Compliant

Marking: 125135

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7226
MILE664 LN SEG 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
0200021	0.19	0.96	0.010	0.000	0.21	0.16	0.05	0.04	0.01	0.027	0.004	0.000	0.001		0.0010	0.0001	0.000	0.38	0.28

Plate Serial No	Pieces	Tons	Tensile Test Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"	Heat Treat Norm (°F)	Norm Time (min)	Temper (°F)	Temper Time (min)
0200021-01	4	6.53	H-T	49,400	71,900	40.0		1650	14		

Plate Serial No	Pieces	Tons	Charpy Impacts Dir.	Absorbed Energy (Ft-lbs) (ft-lbs) 1	(ft-lbs) 2	(ft-lbs) 3	(ft-lbs) Ave	Min	Lateral Expansion (in.) (in.) 1	(in.) 2	(in.) 3	(in.) Ave	(in.) Min	Shear (%) (%) 1	(%) 2	(%) 3	(%) Ave	Min	Temp (°F)	Size
0200021-01	4	6.53	H-L	80.5	55.2	62.4	59.4	15											-50	5mm

HOT ROLLED CARBON STEEL PLATE
TEST COUPONS TAKEN FROM HEAT TREATED PLATE
Place frequency charpy;

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material.
Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted in Specification. For Mexico shipments:nhc-Sales400@nucor.com
Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((Cr+Mo+V)/5)+((Cu+Ni)/15)
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
Melted and Manufactured in the USA. ISO 9001:2015 certified. PED 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant.
DIN 50049 3.1.B/EN 10204 3.1B(2004), DIN EN 10204 3.1(2006) compliant. For ABS grades only, Quality Assurance certificate QA-3824386

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
J.P 2/26/2021

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications, including customer specifications.

T. A. Depratis

T. A. Depratis, Metallurgist

1/17/2021 10:03:29 AM

MRR #008

AMERICAN ALLOY STEEL, INC.

6230 N. HOUSTON ROSSLYN ROAD
HOUSTON, TEXAS 77091
Phone: 713-462-8081 Fax: 713-462-8209

M.T.R. COVER SHEET
03/19/2021

Customer Name	:	INUKSHUK CONSTRUCTION LIMITED
Address	:	
City, State Zip	:	HALIFAX, NS B3J 1S9
Attention	:	M.LOSIER
Phone Number	:	1-902-429-0272
Reference Number	:	677336
Notes 1	:	P.O. NO. 341-1001-TX

Control Number:		1089582
Queued By	:	Alex Garza
Page Number	:	1
Total Pages	:	36
Fax Number	:	1-902-429-7762

THE INFORMATION YOU REQUESTED IS ATTACHED.
THANK YOU FOR YOUR BUSINESS !

AASI PLATE NUMBER	HEAT # / SLAB #	MILL
5236099	811S00740 T030110	ARCELORMITTAL
5236100	811S00740 T030113	MITTAL
5236101	811S00740 T030113	MITTAL
5236102	813S60780 T030117	MITTAL
5236103	813S60780 T030116	MITTAL
5236104	813S60780 T030117	MITTAL
5236105	813S60780 T030115	MITTAL
36106	813S60780 T030115	MITTAL
5236107	811S00740 T030114	MITTAL
5236108	811S00740 T030112	MITTAL
5236109	811S00740 T030112	ARCELORMITTAL
5236110	813S60780 T030116	ARCELORMITTAL
5236111	811S00740 T030114	ARCELORMITTAL
5236112	811S00740 T030110	ARCELORMITTAL
5236114	813S60780 T030119	MITTAL
5236115	813S60780 T030118	MITTAL
5236116	811S00740 T030111	MITTAL
5236117	811S00740 T030111	MITTAL
5236118	813S60780 T030120	MITTAL
5237388	0604883 06	NUCOR PLATE
5237389	0602533 08	NUCOR PLATE
5237390	1600012 02	NUCOR PLATE
5237391	1600011 08	NUCOR PLATE
5237392	1600011 08	NUCOR PLATE
5237393	0602533 08	NUCOR MILL
5237394	1600012 03	NUCOR MILL
5237395	1600012 03	NUCOR MILL
5237396	0602533 08	NUCOR MILL
5239608	813S60780 T030119	MITTAL

AMERICAN ALLOY STEEL, INC.

6230 N. HOUSTON ROSSLYN ROAD
HOUSTON, TEXAS 77091
Phone: 713-462-8081 Fax: 713-462-8209

M.T.R. COVER SHEET
03/19/2021

Customer Name	:	INUKSHUK CONSTRUCTION LIMITED	**Control Number:**		1089582
Address	:		**Queued By**	:	Alex Garza
City, State Zip	:	HALIFAX, NS B3J 1S9	**Page Number**	:	2
Attention	:	M.LOSIER	**Total Pages**	:	36
Phone Number	:	1-902-429-0272	**Fax Number**	:	1-902-429-7762
Reference Number	:	677336			
Notes 1	:	P.O. NO. 341-1001-TX			

THE INFORMATION YOU REQUESTED IS ATTACHED.
THANK YOU FOR YOUR BUSINESS !

AASI PLATE NUMBER	HEAT # / SLAB #	MILL
5239609	813S60780 T030118	MITTAL
5239636	1600012 03	NUCOR MILL
5232725	0200021 01	NUCOR PLATE
5232726	0200021 01	NUCOR PLATE
5232727	0200021 01	NUCOR PLATE

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236099
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-68843 | DATE SHIPPED 01-20-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 007002

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030110	811S00740	1	5/16	96	480			4084	54500	75100	8	26	
			N	1650 DEG F -	15 MIN								

(M55)MFST REF#:2

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030110		811S00740			.312	V	2/3	L	-50	75	71	61						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL.
J.P 3/8/2021

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MOLIAID GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

AMERICAN ALLOY
PLATE #5234049

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236100
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69103 | DATE SHIPPED 01-28-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 007204

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030112	811S00740	1	5/16	96	480		4084	53100	74600	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030113 →	811S00740	2	5/16	96	480		8168	55100	75800	8	25	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030114	811S00740	1	5/16	96	480		4084	51400	71200	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030112		811S00740			.312	V	2/3	L	-50	79	78	81						
T030113		811S00740			.312	V	2/3	L	-50	75	71	70						
T030114		811S00740			.312	V	2/3	L	-50	77	80	112						

Certified true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
D 03/16/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAID GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	

AMERICAN ALLOY PLATE # E23100

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236101
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69103 | DATE SHIPPED 01-28-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 007204

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030112	811S00740	1	5/16	96	480	4084	53100	74600	8	26
			N 1650 DEG F - 15 MIN							
(M55)MFST REF#:2											
T030113 →	811S00740	2	5/16	96	480	8168	55100	75800	8	25
			N 1650 DEG F - 15 MIN							
(M55)MFST REF#:2											
T030114	811S00740	1	5/16	96	480	4084	51400	71200	8	26
			N 1650 DEG F - 15 MIN							
(M55)MFST REF#:2											

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP °F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030112	811S00740				.312	V	2/3	L	-50	79	78	81						
T030113	811S00740				.312	V	2/3	L	-50	75	71	70						
T030114	811S00740				.312	V	2/3	L	-50	77	80	112						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By: DO 3/16/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAID GRAIN SIZE
811S00740	.17	1.07	.011	.006	.32	9.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	

AMERICAN ALLOY PLATE #5231121

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236102
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69103 | DATE SHIPPED 01-28-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 007204

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030115	813S60780	2	5/16	96	480	8168	55800	76800	8	25		
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030116	813S60780	1	5/16	96	480	4084	53400	75300	8	26		
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030117 →	813S60780	2	5/16	96	480	8168	56400	77100	8	25		
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP °F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030115		813S60780			.312	V	2/3	L	-50	73	87	65						
T030116		813S60780			.312	V	2/3	L	-50	119	77	81						
T030117		813S60780			.312	V	2/3	L	-50	122	74	39						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAD GRAIN SIZE
813S60780	.17	1.08	.013	.004	.34	3.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY
PLATE # S23W02

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

FARID HASSANI PER MWT

BHPLTRPT.TIF

SUPV. QUALITY ASSURANCE

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236103
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69103 | DATE SHIPPED 01-28-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 007204

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA2085 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030115	813S60780	2	5/16	96	480	8168	55800	76800	8	25		
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030116→	813S60780	1	5/16	96	480	4084	53400	75300	8	26		
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030117	813S60780	2	5/16	96	480	8168	56400	77100	8	25		
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERG FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030115		813S60780			.312	V	2/3	L	-50	73	87	65						
T030116		813S60780			.312	V	2/3	L	-50	119	77	81						
T030117		813S60780			.312	V	2/3	L	-50	122	74	39						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
03/15/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAID GRAIN SIZE
813S60780	.17	1.08	.013	.004	.34	3.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY PLATE #S23L03

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236104
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO.	DATE SHIPPED	CAR OR VEHICLE NO.
803-69103	01-28-21	IHB-MCCOO-BNSF LMIC 007204

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030115	813S60780	2	5/16	96	480		8168	55800	76800	8	25	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030116	813S60780	1	5/16	96	480		4084	53400	75300	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030117 →	813S60780	2	5/16	96	480		8168	56400	77100	8	25	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030115		813S60780			.312	V	2/3	L	-50	73	87	65						
T030116		813S60780			.312	V	2/3	L	-50	119	77	81						
T030117		813S60780			.312	V	2/3	L	-50	122	74	39						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAID GRAIN SIZE
813S60780	.17	1.08	.013	.004	.34	3.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY PLATE # S23U104

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236105
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO.	DATE SHIPPED	CAR OR VEHICLE NO.
803-69103	01-28-21	IHB-MCCOO-BNSF LMIC 007204

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA2085 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030115 →	813S60780	2	5/16	96	480		8168	55800	76800	8	25	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030116	813S60780	1	5/16	96	480		4084	53400	75300	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030117	813S60780	2	5/16	96	480		8168	56400	77100	8	25	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030115		813S60780			.312	V	2/3	L	-50	73	87	65						
T030116		813S60780			.312	V	2/3	L	-50	119	77	81						
T030117		813S60780			.312	V	2/3	L	-50	122	74	39						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAID GRAIN SIZE
813S60780	.17	1.08	.013	.004	.34	3.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY PLATE # 5236105

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236106
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69103 | DATE SHIPPED 01-28-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 007204

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030115 →	813S60780	2	5/16	96	480		8168	55800	76800	8	25	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030116	813S60780	1	5/16	96	480		4084	53400	75300	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030117	813S60780	2	5/16	96	480		8168	56400	77100	8	25	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP °F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030115	813S60780				.312	V	2/3	L	-50	73	87	65						
T030116	813S60780				.312	V	2/3	L	-50	119	77	81						
T030117	813S60780				.312	V	2/3	L	-50	122	74	39						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
D 03/16/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAID GRAIN SIZE
813S60780	.17	1.08	.013	.004	.34	3.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY
PLATE #5228L1006

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

BHPLTRPT.TIF

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236107
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69103 | DATE SHIPPED 01-28-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 007204

SOLD TO: AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO: AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030112	811S00740	1	5/16	96	480	4084	53100	74600	8	26	
			N 1650 DEG F - 15 MIN								
(M55)MFST REF#:2											
T030113	811S00740	2	5/16	96	480	8168	55100	75800	8	25	
			N 1650 DEG F - 15 MIN								
(M55)MFST REF#:2											
T030114 →	811S00740	1	5/16	96	480	4084	51400	71200	8	26	
			N 1650 DEG F - 15 MIN								
(M55)MFST REF#:2											

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP °F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030112		811S00740			.312	V	2/3	L	-50	79	78	81						
T030113		811S00740			.312	V	2/3	L	-50	75	71	70						
T030114		811S00740			.312	V	2/3	L	-50	77	80	112						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
D03161n

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MOUAID GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	

AMERICAN ALLOY PLATE # 52361607

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236108
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69103 | DATE SHIPPED 01-28-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 007204

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030112 →	811S00740	1	5/16	96	480		4084	53100	74600	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030113	811S00740	2	5/16	96	480		8168	55100	75800	8	25	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030114	811S00740	1	5/16	96	480		4084	51400	71200	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030112		811S00740			.312	V	2/3	L	-50	79	78	81						
T030113		811S00740			.312	V	2/3	L	-50	75	71	70						
T030114		811S00740			.312	V	2/3	L	-50	77	80	112						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
D03161

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MO/AIM GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	

AMERICAN ALLOY PLATE # 5236108

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236109
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69100 | DATE SHIPPED 01-28-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF ATW 317180

SOLD TO
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030112	811S00740	1	5/16	96	480			4084	53100	74600	8	26

N 1650 DEG F - 15 MIN

(M55)MFST REF#:2

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP °F	CHARPY IMPACT ENERG FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030112		811S00740			.312	V	2/3	L	-50	79	78	81						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL.
J.K 2/24/2021

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAID GRAIN SIZE
811S00740	.17	1.07	.011	.006	.32	9.221	.19	.03	.007	.002	.002	.037	.0002		.002	.004	.003

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

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FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

AMERICAN ALLOY
PLATE #5236109

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236110
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69105 | DATE SHIPPED 01-29-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 200040

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030110	811S00740	1	5/16	96	480		4084	54500	75100	8	26	
			N	1650 DEG F -	15 MIN							
(M55)MFST REF#:2												
T030114	811S00740	1	5/16	96	480		4084	51400	71200	8	26	
			N	1650 DEG F -	15 MIN							
(M55)MFST REF#:2												
T030116	813S60780	1	5/16	96	480		4084	53400	75300	8	26	
			N	1650 DEG F -	15 MIN							
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP. F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030110		811S00740			.312	V	2/3	L	-50	75	71	61						
T030114		811S00740			.312	V	2/3	L	-50	77	80	112						
T030116		813S60780			.312	V	2/3	L	-50	119	77	81						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
J.V 3/3/2021

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAID GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	
813S60780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

AMERICAN ALLOY
LATE # 5236110

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236111
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69105 | DATE SHIPPED 01-29-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 200040

SOLD TO
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030110	811S00740	1	5/16	96	480		4084	54500	75100	8	26
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030114	811S00740	1	5/16	96	480		4084	51400	71200	8	26
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030116	813S60780	1	5/16	96	480		4084	53400	75300	8	26
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030110		811S00740			.312	V	2/3	L	-50	75	71	61						
T030114		811S00740			.312	V	2/3	L	-50	77	80	112						
T030116		813S60780			.312	V	2/3	L	-50	119	77	81						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
J.V 3/3/2021

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAID GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002		.002	.004	.003
813S60780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002		.002	.003	.003

AMERICAN ALLOY
PLATE # 5236111

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236112
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69105 | DATE SHIPPED 01-29-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF LMIC 200040

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030110	811S00740	1	5/16	96	480		4084	54500	75100	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030114	811S00740	1	5/16	96	480		4084	51400	71200	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030116	813S60780	1	5/16	96	480		4084	53400	75300	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030110		811S00740			.312	V	2/3	L	-50	75	71	61						
T030114		811S00740			.312	V	2/3	L	-50	77	80	112						
T030116		813S60780			.312	V	2/3	L	-50	119	77	81						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
J.P. 3/3/2021

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAID GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	
813S60780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY
PLATE # 5236112

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236114
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69511 | DATE SHIPPED 02-04-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF BVRY 062064

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030111	811S00740	2	5/16	96	480		8168	54800	75600	8	25	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030118	813S60780	2	5/16	96	480		8168	54000	75500	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030119 →	813S60780	2	5/16	96	480		8168	53700	75800	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP. F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030111		811S00740			.312	V	2/3	L	-50	104	79	87						
T030118		813S60780			.312	V	2/3	L	-50	116	115	114						
T030119		813S60780			.312	V	2/3	L	-50	82	82	72						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
3/17/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAD GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	
813S60780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY
PLATE #5236114

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236115
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69511 | DATE SHIPPED 02-04-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF BVRY 062064

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030111	811S00740	2	5/16	96	480		8168	54800	75600	8	25	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030118 →	813S60780	2	5/16	96	480		8168	54000	75500	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030119	813S60780	2	5/16	96	480		8168	53700	75800	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE | T-TEMPER TEMPERATURE | N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP °F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030111		811S00740			.312	V	2/3	L	-50	104	79	87						
T030118		813S60780			.312	V	2/3	L	-50	116	115	114						
T030119		813S60780			.312	V	2/3	L	-50	82	82	72						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
3/17/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MOLAID GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002		.002	.004	.003
813S60780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002		.002	.003	.003

AMERICAN ALLOY
PLATE # 5236115

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236116
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO.	DATE SHIPPED	CAR OR VEHICLE NO.
803-69511	02-04-21	IHB-MCCOO-BNSF BVRY 062064

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030111 →	811S00740	2	5/16	96	480		8168	54800	75600	8	25	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030118	813S60780	2	5/16	96	480		8168	54000	75500	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030119	813S60780	2	5/16	96	480		8168	53700	75800	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP °F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030111		811S00740			.312	V	2/3	L	-50	104	79	87						
T030118		813S60780			.312	V	2/3	L	-50	116	115	114						
T030119		813S60780			.312	V	2/3	L	-50	82	82	72						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
2/17/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAID GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	
813S60780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY
PLATE # 523116

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

BMPLTRPT.TIF

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236117
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69511 | DATE SHIPPED 02-04-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF BVRY 062064

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN %	%

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030111 →	811S00740	2	5/16	96	480		8168	54800	75600	8	25
			N 1650 DEG F - 15 MIN								
(M55)MFST REF#:2												
T030118	813S60780	2	5/16	96	480		8168	54000	75500	8	26
			N 1650 DEG F - 15 MIN								
(M55)MFST REF#:2												
T030119	813S60780	2	5/16	96	480		8168	53700	75800	8	26
			N 1650 DEG F - 15 MIN								
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE | T-TEMPER TEMPERATURE | N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP. F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030111		811S00740			.312	V	2/3	L	-50	104	79	87						
T030118		813S60780			.312	V	2/3	L	-50	116	115	114						
T030119		813S60780			.312	V	2/3	L	-50	82	82	72						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
3/17/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAID GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	
813S60780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY
PLATE # 5236117

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5236118
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO.	DATE SHIPPED	CAR OR VEHICLE NO.
803-69511	02-04-21	IHB-MCCOO-BNSF BVRY 062064

SOLD TO
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030120	813S60780	1	5/16	96	480		4084	53200	75500	8	26	
			N	1650 DEG F - 15 MIN								

(M55)MFST REF#:2

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP °F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030120		813S60780			.312	V	2/3	L	-50	73	68	80						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
3/17/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MO/ASD GRAIN SIZE
813S60780	.17	1.08	.013	.004	.34	3.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY
PLATE # 5236118

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

BHPLTRPT.TIF

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5237388
Item: 1 (1 PC) 5/16" X 96" X 480"

AMERICAN ALLOY
PLATE #5237388

NUCOR
PLATE MILL

P.O.Box 279
Winton, NC 27986
(252) 356-3700

Mill Test Report

1505 River Rd
Cofield, NC 27922
(252) 356-3700

NUCOR
It's Our Nature.

Issuing Date : 01/02/2021 B/L No. : 578134 Load No. : 591370 Our Order No. : 184010/1 Cust. Order No. : 125998

Vehicle No: TTPX 804057

Specification: 0.3125" x 96.000" x 480.000"
ASTM A516 70/65/60-17/ASME SA516-70/65/60 PVQ 2019/2017
Normalized Plate NACE MR0175 Annex 2.1.2 (2015), MR0103 (2010)
Section 2.1.2 Compliant (2015) 13.1.1, 13.1.2) Vacuum Degassed

Marking : 125998

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7226
MILE 664 LN SEG 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
0602533	0.19	1.06	0.012	0.001	0.22	0.13	0.09	0.07	0.01	0.024	0.005	0.002	0.002	0.0049	0.0014	0.0001	0.009	0.40	0.27
0604883	0.18	1.06	0.008	0.002	0.20	0.18	0.09	0.09	0.02	0.036	0.006	0.001	0.003	0.0080	0.0023	0.0001	0.008	0.40	0.26

Tensile Test / Heat Treat

Plate Serial No	Pieces	Tons	Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"	Norm (°F)	Time (min)	Temper (°F)	Time (min)
0602533-08	1	2.04	H-T	52,800	78,700	38.5		1650	16		
0604883-06	2	4.08	H-T	51,500	74,000	38.6		1650	16		

Charpy Impacts

Plate Serial No	Pieces	Tons	Dir.	Absorbed Energy (Ft-lbs) (ft-lbs) 1	(ft-lbs) 2	(ft-lbs) 3	(ft-lbs) Ave	Min	Lateral Expansion (in.) (in.) 1	(in.) 2	(in.) 3	(in.) Ave	(in.) Min	Shear (%) (%) 1	(%) 2	(%) 3	(%) Ave	Min	Temp (°F)	Size
0602533-08	1	2.04	H-L	91.7	102.0	111.0	101.6	15											-50	10mm
0604883-06	2	4.08	H-L	33.2	43.0	44.1	40.1	15											-50	6.67mm

HOT ROLLED CARBON STEEL PLATE
TEST COUPONS TAKEN FROM HEAT TREATED PLATE
Piece frequency charpy;

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
J.K 1/25/2021

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material.
Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted in Specification. For Mexico shipments:nhc-SalesMX@nucor.com
Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((Cr+Mo+V)/5)+((Cu+Ni)/15)
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
Melted and Manufactured in the USA. ISO 9001:2015 certified. PED 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant.
DIN 50049 3.1.B/EN 10204 3.1B(2004), DIN EN 10204 3.1(2005) compliant. For ABS grades only, Quality Assurance certificate QA-3624366

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications, including customer specifications.

T. A. Dapretis

T. A. Dapretis, Metallurgist

1/2/2021 3:02:49 PM

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5237389
Item: 1 (1 PC) 5/16" X 96" X 480"

AMERICAN ALLOY
PLATE #5237389

NUCOR
PLATE MILL

P.O.Box 279
Winton, NC 27986
(252) 356-3700

Mill Test Report

1505 River Rd
Cofield, NC 27922
(252) 356-3700

NUCOR
It's Our Nature

Issuing Date: 01/02/2021 **B/L No.:** 578134 **Load No.:** 591370 **Our Order No.:** 184010/1 **Cust. Order No.:** 125998

Vehicle No: TTPX 804057

Specification: 0.3125" x 96.000" x 480.000"
ASTM A516 70/65/60-17/ASME SA516-70/65/60 PVQ 2019/2017
Normalized Plate NACE MR0175 Annex 2.1.2 (2015), MR0103 (2010)
Section 2.1.2 Compliant (2015) 13.1.1, 13.1.2) Vacuum Degassed

Marking: 125998

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7226
MILE 664 LN SEG 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
0602533	0.19	1.06	0.012	0.001	0.22	0.13	0.09	0.07	0.01	0.024	0.005	0.002	0.002	0.0049	0.0014	0.0001	0.009	0.40	0.27
0604883	0.18	1.06	0.008	0.002	0.20	0.18	0.09	0.09	0.02	0.036	0.006	0.001	0.003	0.0060	0.0023	0.0001	0.008	0.40	0.26

Plate Serial No	Pieces	Tons	Tensile Test Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"	Heat Treat Norm (°F)	Norm Time (min)	Temper (°F)	Temper Time (min)
0602533-08	1	2.04	H-T	52,800	76,700	38.5		1650	16		
0604883-06	2	4.08	H-T	51,500	74,000	38.6		1650	16		

Plate Serial No	Pieces	Tons	Charpy Impacts Dir.	Absorbed Energy (Ft-lbs) (ft-lbs) 1	(ft-lbs) 2	(ft-lbs) 3	(ft-lbs) Ave	Min	Lateral Expansion (in.) (in.) 1	(in.) 2	(in.) 3	(in.) Ave	(in.) Min	Shear (%) (%) 1	(%) 2	(%) 3	(%) Ave	Min	Temp (°F)	Size
0602533-08	1	2.04	H-L	91.7	102.0	111.0	101.6	15											-50	10mm
0604883-06	2	4.08	H-L	33.2	43.0	44.1	40.1	15											-50	6.67mm

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
J.K 1/25/2021

HOT ROLLED CARBON STEEL PLATE
TEST COUPONS TAKEN FROM HEAT TREATED PLATE
Piece frequency charpy;

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material. Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted in Specification. For Mexico shipments: nhc-SalesMX@nucor.com
Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((Cr+Mo+V)/5)+((Cu+Ni)/15)
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
Melted and Manufactured in the USA. ISO 9001:2015 certified. PED 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant.
DIN 50049 3.1.B/EN 10204 3.1B(2004), DIN EN 10204 3.1(2005) compliant. For ABS grades only, Quality Assurance certificate QA-3624366

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications, including customer specifications.

T. A. Depretis, Metallurgist

1/2/2021 3:02:49 PM

To: INUKSHUK CONSTRUCTION LIMITED
AA PL#: 5237390
S.O.#: 677336
From: AMERICAN ALLOY STEEL, INC.
341-1001-TX
P.O.#:
Item: 1 (1 PC) 5/16" X 96" X 480"
03/19/2021

AMERICAN ALLOY
PLATE # 5237390

NUCOR
PLATE MILL

P.O.Box 279
Winton, NC 27986
(252) 356-3700

Mill Test Report

1505 River Rd
Cofield, NC 27922
(252) 356-3700

NUCOR
It's Our Nature.

Issuing Date: 01/17/2021 **B/L No.:** 579490 **Load No.:** 592195 **Our Order No.:** 184010/1 **Cust. Order No.:** 125998

Vehicle No: ALY 91698

Specification: 0.3125" x 96.000" x 480.000"
ASTM A516 70/65/60-17/ASME SA516-70/65/60 PVQ 2019/2017
Normalized Plate NACE MR0175 Annex 2.1.2 (2015), MR0103 (2010)
Section 2.1.2 Compliant (2015) 13.1.1, 13.1.2) Vacuum Degassed

Marking: 125998

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7226
MILE664 LN SEG 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
1600011	0.19	1.04	0.011	0.001	0.19	0.23	0.09	0.12	0.02	0.027	0.004	0.003	0.002	0.0048	0.0015	0.0003	0.009	0.42	0.27
1600012	0.18	1.04	0.008	0.001	0.17	0.22	0.10	0.09	0.02	0.033	0.004	0.003	0.002	0.0089	0.0021	0.0003	0.009	0.40	0.26

Tensile Test / Heat Treat

Plate Serial No	Pieces	Tons	Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"	Norm (°F)	Time (min)	Temper (°F)	Time (min)
1600011-08	2	4.08	H-T	53,900	78,200	37.6		1650	16		
→ 1600012-02	1	2.04	H-T	54,800	79,900	37.2		1650	16		

Charpy Impacts

Plate Serial No	Pieces	Tons	Dir.	Absorbed Energy (Ft-lbs) (ft-lbs) 1	(ft-lbs) 2	(ft-lbs) 3	(ft-lbs) Ave	Min	Lateral Expansion (in.) (in.) 1	(in.) 2	(in.) 3	(in.) Ave	(in.) Min	Shear (%) (%) 1	(%) 2	(%) 3	(%) Ave	Min	Temp (°F)	Size
1600011-08	2	4.08	H-L	31.0	29.7	30.7	30.5	15											-50	5mm
1600012-02	1	2.04	H-L	31.2	33.6	30.4	31.7	15											-50	10mm

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
J.k 2/12/2021

HOT ROLLED CARBON STEEL PLATE
TEST COUPONS TAKEN FROM HEAT TREATED PLATE
Piece frequency charpy;

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material.
Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted in Specification. For Mexico shipments: nhc-SalesMX@nucor.com
Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((Cr+Mo+V)/5)+((Cu+Ni)/15)
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
Melted and Manufactured in the USA. ISO 9001:2015 certified. PED 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant.
DIN 50049 3.1.B/EN 10204 3.1B(2004), DIN EN 10204 3.1(2005) compliant. For ABS grades only, Quality Assurance certificate QA-3624366

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications, including customer specifications.

T. A. Depreitis, Metallurgist

1/17/2021 10:03:29 AM

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5237391
Item: 1 (1 PC) 5/16" X 96" X 480"

AMERICAN ALLOY
PLATE # 5237391

NUCOR
PLATE MILL

P.O.Box 279
Winton, NC 27986
(252) 356-3700

Mill Test Report

1505 River Rd
Cofield, NC 27922
(252) 356-3700

NUCOR
It's Our Nature

Issuing Date: 01/17/2021 **B/L No.:** 579490 **Load No.:** 592195 **Our Order No.:** 184010/1 **Cust. Order No.:** 125998

Vehicle No: ALY 91698

Specification: 0.3125" x 96.000" x 480.000"
ASTM A516 70/65/60-17/ASME SA516-70/65/60 PVQ 2019/2017
Normalized Plate NACE MR0175 Annex 2.1.2 (2015), MR0103 (2010)
Section 2.1.2 Compliant (2015) 13.1.1, 13.1.2) Vacuum Degassed

Marking: 125998

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7228
MILE684 LN SEG 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
1600011	0.19	1.04	0.011	0.001	0.19	0.23	0.09	0.12	0.02	0.027	0.004	0.003	0.002	0.0048	0.0015	0.0003	0.009	0.42	0.27
1600012	0.18	1.04	0.008	0.001	0.17	0.22	0.10	0.09	0.02	0.033	0.004	0.003	0.002	0.0088	0.0021	0.0003	0.009	0.40	0.26

			Tensile Test				Heat Treat			
Plate Serial No	Pieces	Tons	Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"	Norm (°F)	Time (min)	Temper (°F)	Time (min)
1600011-08	2	4.08	H-T	53,900	78,200	37.6		1650	16		
1600012-02	1	2.04	H-T	54,800	79,900	37.2		1650	16		

			Charpy Impacts																
				Absorbed Energy (Ft-lbs)					Lateral Expansion (in.)					Shear (%)					
Plate Serial No	Pieces	Tons	Dir.	(ft-lbs) 1	(ft-lbs) 2	(ft-lbs) 3	(ft-lbs) Ave	Min	(in.) 1	(in.) 2	(in.) 3	(in.) Ave	(in.) Min	(%) 1	(%) 2	(%) 3	(%) Ave	Min	Temp (°F)	Size
1600011-08	2	4.08	H-L	31.0	29.7	30.7	30.5	15											-50	5mm
1600012-02	1	2.04	H-L	31.2	33.6	30.4	31.7	15											-50	10mm

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
J.K 2/12/2021

HOT ROLLED CARBON STEEL PLATE
TEST COUPONS TAKEN FROM HEAT TREATED PLATE
Piece frequency charpy;

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material.
Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted in Specification. For Mexico shipments:nhc-SalesMX@nucor.com
Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((Cr+Mo+V)/5)+((Cu+Ni)/15)
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
Melted and Manufactured in the USA. ISO 9001:2015 certified. PED 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant.
DIN 50049 3.1.B/EN 10204 3.1B(2004), DIN EN 10204 3.1(2005) compliant. For ABS grades only, Quality Assurance certificate QA-3624366

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications, including customer specifications.

T. A. Depretis

T. A. Depretis, Metallurgist

1/17/2021 10:03:29 AM

To: INUKSHUK CONSTRUCTION LIMITED
AA PL#: 5237392
S.O.#: 677336
From: AMERICAN ALLOY STEEL, INC.
P.O.#: 341-1001-TX
Item: 1 (1 PC) 5/16" X 96" X 480"
03/19/2021

AMERICAN ALLOY
PLATE #5237392

NUCOR
PLATE MILL

P.O.Box 279
Winton, NC 27986
(252) 356-3700

Mill Test Report

1505 River Rd
Cofield, NC 27922
(252) 356-3700

NUCOR
It's Our Nature

Issuing Date: 01/17/2021 **B/L No.:** 579490 **Load No.:** 592195 **Our Order No.:** 184010/1 **Cust. Order No.:** 125998

Vehicle No: ALY 91698

Specification: 0.3125" x 96.000" x 480.000"
ASTM A516 70/65/60-17/ASME SA516-70/65/60 PVQ 2019/2017
Normalized Plate NACE MR0175 Annex 2.1.2 (2015), MR0103 (2010)
Section 2.1.2 Compliant (2015) 13.1.1, 13.1.2) Vacuum Degassed

Marking: 125998

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7226
MILE 664 LN SEG 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
1600011	0.19	1.04	0.011	0.001	0.19	0.23	0.09	0.12	0.02	0.027	0.004	0.003	0.002	0.0048	0.0015	0.0003	0.009	0.42	0.27
1600012	0.18	1.04	0.008	0.001	0.17	0.22	0.10	0.09	0.02	0.033	0.004	0.003	0.002	0.0089	0.0021	0.0003	0.009	0.40	0.26

			Tensile Test				Heat Treat			
Plate Serial No	Pieces	Tons	Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"	Norm (°F)	Time (min)	Temper (°F)	Time (min)
1600011-08	2	4.08	H-T	53,900	78,200	37.6		1650	16		
1600012-02	1	2.04	H-T	54,800	79,900	37.2		1650	16		

			Charpy Impacts															
			Absorbed Energy (Ft-lbs)					Lateral Expansion (in.)					Shear (%)					
Plate Serial No	Pieces	Tons	Dir.	(ft-lbs) 1	(ft-lbs) 2	(ft-lbs) 3	(ft-lbs) Ave	Min	(in.) 1	(in.) 2	(in.) 3	(in.) Ave	(in.) Min	(%) 1	(%) 2	(%) 3	(%) Ave	Min	Temp (°F)	Size
1600011-08	2	4.08	H-L	31.0	29.7	30.7	30.5	15											-50	5mm
1600012-02	1	2.04	H-L	31.2	33.6	30.4	31.7	15											-50	10mm

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
J.K 2/12/2021

HOT ROLLED CARBON STEEL PLATE
TEST COUPONS TAKEN FROM HEAT TREATED PLATE
Piece frequency charpy;

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material.
Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted in Specification. For Mexico shipments:nhc-SalesMX@nucor.com
Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((Cr+Mo+V)/5)+((Cu+Ni)/15)
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
Melted and Manufactured in the USA. ISO 9001:2015 certified. PED 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant.
DIN 50049 3.1.B/EN 10204 3.1B(2004), DIN EN 10204 3.1(2005) compliant. For ABS grades only, Quality Assurance certificate QA-3624366

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications, including customer specifications.

T. A. Depretis, Metallurgist

1/17/2021 10:03:29 AM

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5237393
Item: 1 (1 PC) 5/16" X 96" X 480"

AMERICAN ALLOY
PLATE # 5237393

NUCOR
PLATE MILL

P.O.Box 279
Winton, NC 27986
(252) 356-3700

Mill Test Report

1505 River Rd
Cofield, NC 27922
(252) 356-3700

NUCOR
It's Our Nature.

Issuing Date: 01/24/2021 **B/L No.:** 580221 **Load No.:** 593433 **Our Order No.:** 184010/1 **Cust. Order No.:** 125998

Vehicle No: TTPX 81308

Specification: 0.3125" x 96.000" x 480.000"
ASTM A516 70/65/60-17/ASME SA516-70/65/60 PVQ 2019/2017
Normalized Plate NACE MR0175 Annex 2.1.2 (2015), MR0103 (2010)
Section 2.1.2 Compliant (2015) 13.1.1, 13.1.2) Vacuum Degassed

Marking: 125998

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7226
MILE664 LN SEG 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
0602533	0.19	1.06	0.012	0.001	0.22	0.13	0.09	0.07	0.01	0.024	0.005	0.002	0.002	0.0049	0.0014	0.0001	0.009	0.40	0.27
1600012	0.18	1.04	0.008	0.001	0.17	0.22	0.10	0.09	0.02	0.033	0.004	0.003	0.002	0.0089	0.0021	0.0003	0.009	0.40	0.26

Plate Serial No	Pieces	Tons	Tensile Test Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"	Heat Treat Norm (°F)	Norm Time (min)	Temper (°F)	Temper Time (min)
0602533-08	2	4.08	H-T	52,800	76,700	38.5		1650	16		
1600012-03	2	4.08	H-T	53,200	78,300	33.9		1650	16		

Plate Serial No	Pieces	Tons	Charpy Impacts Dir.	Absorbed Energy (Ft-lbs) (ft-lbs) 1	(ft-lbs) 2	(ft-lbs) 3	(ft-lbs) Ave	Min	Lateral Expansion (in.) (in.) 1	(in.) 2	(in.) 3	(in.) Ave	(in.) Min	Shear (%) (%) 1	(%) 2	(%) 3	(%) Ave	Min	Temp (°F)	Size
0602533-08	2	4.08	H-L	91.7	102.0	111.0	101.6	15											-50	10mm
1600012-03	2	4.08	H-L	54.7	40.8	52.6	49.4	15											-50	5mm

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL.
JH 3/4/2021

HOT ROLLED CARBON STEEL PLATE
TEST COUPONS TAKEN FROM HEAT TREATED PLATE
Piece frequency charpy;

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material. Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted in Specification. For Mexico shipments: nhc-SalesMX@nucor.com
Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((Cr+Mo+V)/5)+((Cu+Ni)/15)
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
Melted and Manufactured in the USA. ISO 9001:2015 certified. PED 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant.
DIN 50049 3.1.B/EN 10204 3.1B(2004), DIN EN 10204 3.1(2005) compliant. For ABS grades only, Quality Assurance certificate QA-3624386

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications, including customer specifications.

T. A. Depretis, Metallurgist

1/24/2021 4:10:30 PM

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5237394
Item: 1 (1 PC) 5/16" X 96" X 480"

AMERICAN ALLOY
PLATE # 5237394

NUCOR
PLATE MILL

P.O.Box 279
Winton, NC 27986
(252) 356-3700

Mill Test Report

1505 River Rd
Cofield, NC 27922
(252) 356-3700

NUCOR
It's Our Nature.

Issuing Date : 01/24/2021 B/L No. : 580221 Load No. : 593433 Our Order No. : 184010/1 Cust. Order No. : 125998

Vehicle No: TTPX 81308

Specification: 0.3125" x 96.000" x 480.000"
ASTM A516 70/65/60-17/ASMESA516-70/65/60 PVQ 2019/2017
Normalized Plate NACEMR0175 Annex 2.1.2 (2015), MR0103 (2010)
Section 2.1.2 Compliant (2015) 13.1.1, 13.1.2) Vacuum Degassed

Marking : 125998

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7226
MILE 664 LN SEG 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
0602533	0.19	1.06	0.012	0.001	0.22	0.13	0.09	0.07	0.01	0.024	0.005	0.002	0.002	0.0049	0.0014	0.0001	0.009	0.40	0.27
1600012	0.18	1.04	0.008	0.001	0.17	0.22	0.10	0.09	0.02	0.033	0.004	0.003	0.002	0.0089	0.0021	0.0003	0.009	0.40	0.26

			Tensile Test				Heat Treat			
Plate Serial No	Pieces	Tons	Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"	Norm (°F)	Time (min)	Temper (°F)	Time (min)
0602533-08	2	4.08	H-T	52,800	76,700	38.5		1650	16		
1600012-03	2	4.08	H-T	53,200	78,300	33.9		1650	16		

			Charpy Impacts																
			Absorbed Energy (Ft-lbs)					Lateral Expansion (in.)					Shear (%)						
Plate Serial No	Pieces	Tons	Dir.	(ft-lbs) 1	(ft-lbs) 2	(ft-lbs) 3	(ft-lbs) Ave	Min	(in.) 1	(in.) 2	(in.) 3	(in.) Ave	(in.) Min	(%) 1	(%) 2	(%) 3	(%) Ave	Min	Temp (°F)	Size
0602533-08	2	4.08	H-L	91.7	102.0	111.0	101.6	15											-50	10mm
1600012-03	2	4.08	H-L	54.7	40.8	52.6	49.4	15											-50	5mm

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
JV 3/4/2024

HOT ROLLED CARBON STEEL PLATE
TEST COUPONS TAKEN FROM HEAT TREATED PLATE
Piece frequency charpy;

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material.
Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted in Specification. For Mexico shipments:nhc-SalesMX@nucor.com
Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((Cr+Mo+V)/5)+((Cu+Ni)/15)
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
Melted and Manufactured in the USA. ISO 9001:2015 certified. PED 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant.
DIN 50049 3.1.B/EN 10204 3.1B(2004), DIN EN 10204 3.1(2005) compliant. For ABS grades only, Quality Assurance certificate QA-3624366

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications, including customer specifications.

T. A. Deprotis, Metallurgist

1/24/2021 4:10:30 PM

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5237395
Item: 1 (1 PC) 5/16" X 96" X 480"

AMERICAN ALLOY
PLATE # 5237395

NUCOR
PLATE MILL

P.O.Box 279
Winton, NC 27986
(252) 356-3700

Mill Test Report

1505 River Rd
Cofield, NC 27922
(252) 356-3700

NUCOR
It's Our Nature.

Issuing Date: 01/24/2021 **B/L No.:** 580221 **Load No.:** 593433 **Our Order No.:** 184010/1 **Cust. Order No.:** 125998

Vehicle No: TTPX 81308

Specification: 0.3125" x 96.000" x 480.000"
ASTM A516 70/65/60-17/ASME SA516-70/65/60 PVQ 2019/2017
Normalized Plate NACE MR0175 Annex 2.1.2 (2015), MR0103 (2010)
Section 2.1.2 Compliant (2015) 13.1.1, 13.1.2) Vacuum Degassed

Marking: 125998

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7226
MILE 664 LN SEG 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
0602533	0.19	1.06	0.012	0.001	0.22	0.13	0.09	0.07	0.01	0.024	0.006	0.002	0.002	0.0049	0.0014	0.0001	0.009	0.40	0.27
1600012	0.18	1.04	0.008	0.001	0.17	0.22	0.10	0.09	0.02	0.033	0.004	0.003	0.002	0.0089	0.0021	0.0003	0.009	0.40	0.26

Tensile Test / **Heat Treat**

Plate Serial No	Pieces	Tons	Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"	Norm (°F)	Time (min)	Temper (°F)	Time (min)
0602533-08	2	4.08	H-T	52,800	76,700	38.5		1650	16		
1600012-03	2	4.08	H-T	53,200	78,300	33.9		1650	16		

Charpy Impacts

Plate Serial No	Pieces	Tons	Dir.	Absorbed Energy (Ft-lbs) (ft-lbs) 1	(ft-lbs) 2	(ft-lbs) 3	(ft-lbs) Ave	Min	Lateral Expansion (in.) (in.) 1	(in.) 2	(in.) 3	(in.) Ave	(in.) Min	Shear (%) (%) 1	(%) 2	(%) 3	(%) Ave	Min	Temp (°F)	Size
0602533-08	2	4.08	H-L	91.7	102.0	111.0	101.6	15											-50	10mm
1600012-03	2	4.08	H-L	54.7	40.8	52.6	49.4	15											-50	5mm

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
JK 3/4/2021

HOT ROLLED CARBON STEEL PLATE
TEST COUPONS TAKEN FROM HEAT TREATED PLATE
Piece frequency charpy;

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material.
Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted in Specification. For Mexico shipments:nhc-SalesMX@nucor.com
Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((Cr+Mo+V)/5)+((Cu+Ni)/15)
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
Melted and Manufactured in the USA. ISO 9001:2015 certified. PED 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant.
DIN 50049 3.1.B/EN 10204 3.1B(2004), DIN EN 10204 3.1(2005) compliant. For ABS grades only, Quality Assurance certificate QA-3624366

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications, including customer specifications.

T. A. Depretis

T. A. Depretis, Metallurgist

1/24/2021 4:10:30 PM

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5237396
Item: 1 (1 PC) 5/16" X 96" X 480"

AMERICAN ALLOY
PLATE #5237396

NUCOR
PLATE MILL

P.O.Box 279
Winton, NC 27986
(252) 356-3700

Mill Test Report

1505 River Rd
Cofield, NC 27922
(252) 356-3700

NUCOR
It's Our Nature.

Issuing Date : 01/24/2021 B/L No. : 580221 Load No. : 593433 Our Order No. : 184010/1 Cust. Order No. : 125998

Vehicle No: TTPX 81308

Specification: 0.3125" x 96.000" x 480.000"
ASTM A516 70/65/60-17/ASME SA516-70/65/60 PVQ 2019/2017
Normalized Plate NACE MR0175 Annex 2.1.2 (2015), MR0103 (2010)
Section 2.1.2 Compliant (2015) 13.1.1, 13.1.2) Vacuum Degassed

Marking : 125998

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7226
MILE 664 LN SEG 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
0602533	0.19	1.06	0.012	0.001	0.22	0.13	0.09	0.07	0.01	0.024	0.005	0.002	0.002	0.0049	0.0014	0.0001	0.009	0.40	0.27
1600012	0.18	1.04	0.008	0.001	0.17	0.22	0.10	0.09	0.02	0.033	0.004	0.003	0.002	0.0089	0.0021	0.0003	0.009	0.40	0.26

Plate Serial No	Pieces	Tons	Tensile Test Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"	Heat Treat Norm (°F)	Norm Time (min)	Temper (°F)	Temper Time (min)
0602533-08	2	4.08	H-T	52,800	76,700	38.5		1650	16		
1600012-03	2	4.08	H-T	53,200	78,300	33.9		1650	16		

Plate Serial No	Pieces	Tons	Charpy Impacts Dir.	Absorbed Energy (Ft-lbs) 1	2	3	Ave	Min	Lateral Expansion (in.) 1	2	3	Ave	Min	Shear (%) 1	2	3	Ave	Min	Temp (°F)	Size
0602533-08	2	4.08	H-L	91.7	102.0	111.0	101.6	15											-50	10mm
1600012-03	2	4.08	H-L	54.7	40.8	52.6	49.4	15											-50	5mm

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
J.P 3/4/2021

HOT ROLLED CARBON STEEL PLATE
TEST COUPONS TAKEN FROM HEAT TREATED PLATE
Piece frequency charpy;

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material.
Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted in Specification. For Mexico shipments:nhc-SalesMX@nucor.com
Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((Cr+Mo+V)/5)+((Cu+Ni)/15)
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
Melted and Manufactured in the USA. ISO 9001:2015 certified. PED 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant.
DIN 50049 3.1.B/EN 10204 3.1B(2004), DIN EN 10204 3.1(2005) compliant. For ABS grades only, Quality Assurance certificate QA-3624366

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications, including customer specifications.

T. A. Depretis, Metallurgist

1/24/2021 4:10:30 PM

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5239608
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69511 | DATE SHIPPED 02-04-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF BVRY 062064

SOLD TO
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030111	811S00740	2	5/16	96	480			8168	54800	75600	8	25
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030118	813S60780	2	5/16	96	480			8168	54000	75500	8	26
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030119 →	813S60780	2	5/16	96	480			8168	53700	75800	8	26
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP °F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030111		811S00740			.312	V	2/3	L	-50	104	79	87						
T030118		813S60780			.312	V	2/3	L	-50	116	115	114						
T030119		813S60780			.312	V	2/3	L	-50	82	82	72						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
10/8/17/21

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAID GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002	.002	.004	.003	
813S60780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002	.002	.003	.003	

AMERICAN ALLOY PLATE #5239608

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report connot be altered and must be transmitted intact with any subsquent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5239609
Item: 1 (1 PC) 5/16" X 96" X 480"

ArcelorMittal Burns Harbor Plate

QUALITY ASSURANCE
REPORT OF TEST AND ANAYLSES

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-69511 | DATE SHIPPED 02-04-21 | CAR OR VEHICLE NO. IHB-MCCOO-BNSF BVRY 062064

SOLD TO:
AMERICAN ALLOY STEEL INC
PO BOX 40469
HOUSTON TX 77240-0469

SHIP TO:
AMERICAN ALLOY STEEL INC
BNSF TR# 7226 MILE 66.4 LN SEG 492
6230 N HOUSTON ROSSLYN RD
HOUSTON TX 77091-3410

NOTE	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY: THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT	YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	% %

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
PLATES - ASTM A516-17 GR 70 PVQ KLD FINE GRAIN PRAC, ASTM A516-17 GR 65 PVQ, ASTM A516-17 GR 60 PVQ, ASME SA516 GR 70 PVQ 2019 EDITION, ASME SA516 GR 65 PVQ 2019 EDITION, ASME SA516 GR 60 PVQ 2019 EDITION, CH-V SA20S5 PLT L 15/12 FTLBS AT -50F, VACUUM DEGASSED --- PLT NORMALIZED & COOLED IN STILL AIR --- IN ACCORDANCE WITH EN 10204:2004 TYPE 3.1 10204:2004 TYPE 3.1
NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
CO# 125823 GH 377-1561A
PLATES HEAT TREATED - TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% EUL
MERCURY IN ANY FORM HAS NOT BEEN USED IN THE PRODUCTION OF THIS ORDER

T030111	811S00740	2	5/16	96	480		8168	54800	75600	8	25	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030118 →	813S60780	2	5/16	96	480		8168	54000	75500	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												
T030119	813S60780	2	5/16	96	480		8168	53700	75800	8	26	
			N 1650 DEG F - 15 MIN									
(M55)MFST REF#:2												

Q-QUENCH TEMPERATURE T-TEMPER TEMPERATURE N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT ENERGY FT LBS 1	2	3	SHEAR(%) 1	2	3	LAT. EXP MILS 1	2	3
T030111		811S00740			.312	V	2/3	L	-50	104	79	87						
T030118		813S60780			.312	V	2/3	L	-50	116	115	114						
T030119		813S60780			.312	V	2/3	L	-50	82	82	72						

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
2021/17/2

HEAT NUMBER	CHEMICAL ANALYSIS C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	MQUAID GRAIN SIZE
811S00740	.17	1.07	.011	.006	.329	.221	.19	.03	.007	.002	.002	.037	.0002		.002	.004	
813S60780	.17	1.08	.013	.004	.343	.212	.17	.03	.006	.002	.002	.039	.0002		.002	.003	

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

BHPLTRPT.TIF

FARID HASSANI PER MWT
SUPV. QUALITY ASSURANCE

AMERICAN ALLOY PLATE # 5239609

03/19/2021 From:AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5239636
Item: 1 (1 PC) 5/16" X 96" X 480"

AMERICAN ALLOY
PLATE # 5239636

NUCOR PLATE MILL
P.O.Box 279
Winton, NC 27986
(252) 356-3700

Mill Test Report

1505 River Rd
Cofield, NC 27922
(252) 356-3700

NUCOR It's Our Nature.

Issuing Date : 02/04/2021 **B/L No. : 581266** **Load No. : 593742** **Our Order No. : 184010/1** **Cust. Order No. : 125998**

Vehicle No: LW 62025

Specification: 0.3125" x 96.000" x 480.000"
ASTM A516 70/65/60-17/ASME SA516-70/65/60 PVQ 2019/2017
Normalized Plate NACE MR0175 Annex 2.1.2 (2015), MR0103 (2010)
Section 2.1.2 Compliant (2015) 13.1.1, 13.1.2)Vacuum Degassed

Marking : 125998

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7226
MILE 664 LN SEG 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
1600012	0.16	1.04	0.008	0.001	0.17	0.22	0.10	0.09	0.02	0.033	0.004	0.003	0.002	0.0089	0.0021	0.0003	0.009	0.40	0.26

Tensile Test / **Heat Treat**

Plate Serial No	Pieces	Tons	Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"	Norm (°F)	Time (min)	Temper (°F)	Time (min)
1600012-03	1	2.04	H-T	53,200	78,300	33.9		1650	16		

Charpy Impacts

Plate Serial No	Pieces	Tons	Dir.	Absorbed Energy (Ft-lbs) (ft-lbs) 1	(ft-lbs) 2	(ft-lbs) 3	(ft-lbs) Ave	Min	Lateral Expansion (in.) (in.) 1	(in.) 2	(in.) 3	(in.) Ave	(in.) Min	Shear (%) (%) 1	(%) 2	(%) 3	(%) Ave	Min	Temp (°F)	Size
1600012-03	1	2.04	H-L	54.7	40.8	52.6	49.4	15											-50	5mm

Certified a true copy of the
original, retained in our file.
AMERICAN ALLOY STEEL, INC.
Reviewed By:
3/15/21

HOT ROLLED CARBON STEEL PLATE
TEST COUPONS TAKEN FROM HEAT TREATED PLATE
Piece frequency charpy;

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material.
Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted in Specification. For Mexico shipments:nhc-SalesMX@nucor.com
Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((Cr+Mo+V)/5)+((Cu+Ni)/15)
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
Melted and Manufactured in the USA. ISO 9001:2015 certified. PED 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant.
DIN 50049 3.1.B/EN 10204 3.1B(2004), DIN EN 10204 3.1(2005) compliant. For ABS grades only, Quality Assurance certificate QA-3624366

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications, including customer specifications.

T. A. Depretis

T. A. Depretis, Metallurgist

2/4/2021 5:58:04 PM

03/19/2021 From:AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5232725
Item: 2 (1 PC) 1/4" X 96" X 480"

AMERICAN ALLOY
PLATE #5232725

NUCOR
PLATE MILL

P.O.Box 279
Winton, NC 27986
(252) 356-3700

Mill Test Report

1505 River Rd
Cofield, NC 27922
(252) 356-3700

NUCOR
It's Our Nature

Issuing Date: 01/17/2021 **B/L No.:** 579490 **Load No.:** 592195 **Our Order No.:** 180671/6 **Cust. Order No.:** 125135

Vehicle No: ALY 91698

Specification: 0.2500" x 96.000" x 480.000"
ASTM A516 70/65/60/485-17/ASME SA516-70/65/60/485 PVQ 2019/2017
Normalized Plate NACE MR0175 Annex 2.1.2 (2015), MR0103 (2010)
Section 2.1.2 (2015) 13.1.1, 13.1.2) Compliant

Marking: 125135

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7226
MILE 664 LN SEG 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
0200021	0.19	0.96	0.010	0.000	0.21	0.16	0.05	0.04	0.01	0.027	0.004	0.000	0.001		0.0010	0.0001	0.000	0.38	0.26

Tensile Test

Plate Serial No	Pieces	Tons	Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"
0200021-01	4	6.53	H-T	49,400	71,900	40.0	

Heat Treat

Norm (°F)	Time (min)	Temper (°F)	Time (min)
1650	14		

Charpy Impacts

Plate Serial No	Pieces	Tons	Dir.	Absorbed Energy (Ft-lbs) (ft-lbs) 1	(ft-lbs) 2	(ft-lbs) 3	(ft-lbs) Ave	Min	Lateral Expansion (in.) (in.) 1	(in.) 2	(in.) 3	(in.) Ave	(in.) Min	Shear (%) (%) 1	(%) 2	(%) 3	(%) Ave	Min	Temp (°F)	Size
0200021-01	4	6.53	H-L	60.5	55.2	62.4	59.4	15											-50	5mm

Certified a true copy of the
original, retained in our file.
AMERICAN ALLOY STEEL
J.K 2/26/2021

HOT ROLLED CARBON STEEL PLATE
TEST COUPONS TAKEN FROM HEAT TREATED PLATE
Piece frequency charpy;

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material. Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted in Specification. For Mexico shipments:nhc-SalesMX@nucor.com
Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((Cr+Mo+V)/5)+((Cu+Ni)/15)
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
Melted and Manufactured in the USA. ISO 9001:2015 certified. PED 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant.
DIN 50049 3.1.B/EN 10204 3.1B(2004), DIN EN 10204 3.1(2005) compliant. For ABS grades only, Quality Assurance certificate QA-3624366

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications, including customer specifications.

T. A. Depretis

T. A. Depretis, Metallurgist

1/17/2021 10:03:29 AM

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5232726
Item: 2 (1 PC) 1/4" X 96" X 480"

NUCOR
PLATE MILL

P.O.Box 279
Winton, NC 27986
(252) 356-3700

Mill Test Report

AMERICAN ALLOY
PLATE #5232726

1505 River Rd
Cofield, NC 27922
(252) 356-3700

NUCOR
It's Our Nature

Issuing Date : 01/17/2021 B/L No. : 579490 Load No. : 592195 Our Order No. : 180671/6 Cust. Order No. : 125135

Vehicle No: ALY 91698

Specification: 0.2500" x 96.000" x 480.000"
ASTM A516 70/65/60/485-17/ASMESA516-70/65/60/485 PVQ 2019/2017
Normalized Plate NACEMR0175 Annex 2.1.2 (2015), MR0103 (2010)
Section 2.1.2 (2015) 13.1.1, 13.1.2)Compliant

Marking: 125135

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7226
MILE664 LN SEG 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
0200021	0.18	0.96	0.010	0.000	0.21	0.16	0.05	0.04	0.01	0.027	0.004	0.000	0.001		0.0010	0.0001	0.000	0.38	0.26

Plate Serial No	Pieces	Tons	Tensile Test Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"	Heat Treat Norm (°F)	Time (min)	Temper (°F)	Time (min)
0200021-01	4	6.53	H-T	49,400	71,900	40.0		1650	14		

Plate Serial No	Pieces	Tons	Charpy Impacts Dir.	Absorbed Energy (Ft-lbs) (ft-lbs) 1	(ft-lbs) 2	(ft-lbs) 3	(ft-lbs) Ave	Min	Lateral Expansion (in.) (in.) 1	(in.) 2	(in.) 3	(in.) Ave	(in.) Min	Shear (%) (%) 1	(%) 2	(%) 3	(%) Ave	Min	Temp (°F)	Size
0200021-01	4	6.53	H-L	60.5	55.2	62.4	59.4	15											-50	5mm

HOT ROLLED CARBON STEEL PLATE
TEST COUPONS TAKEN FROM HEAT TREATED PLATE
Piece frequency charpy;

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
JK 2/26/2021

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1/17/2021 10:03:29 AM

03/19/2021 From: AMERICAN ALLOY STEEL, INC. To: INUKSHUK CONSTRUCTION LIMITED
P.O.#: 341-1001-TX S.O.#: 677336 AA PL#: 5232727
Item: 2 (1 PC) 1/4" X 96" X 480"

NUCOR PLATE MILL

P.O.Box 279
Winton, NC 27986
(252) 356-3700

Mill Test Report

1505 River Rd
Cofield, NC 27922
(252) 356-3700

NUCOR It's Our Nature.

AMERICAN ALLOY
PLATE # 5232727

Issuing Date : 01/17/2021 B/L No. : 579490 Load No. : 592195 Our Order No. : 180671/6 Cust. Order No. : 125135

Vehicle No: ALY91698

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Normalized Plate NACEMR0175 Annex 2.1.2 (2015), MR0103 (2010)
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Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7226
MILE664 LN SEG 492
NORTH HOUSTON,TX 77091

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J.K 2/26/2021

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Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
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T. A. Depretis, Metallurgist

1/17/2021 10:03:29 AM

ABF ARCTIC

6129-C-265-002

740 Baker Lake Tank 8

Quality Assurance/Quality Control

Piping Bender

Préparé par
CONSULTANTS EN SOUDAGE MEQUALTECH Pour
16C-224

ÉPREUVE DE SOUDEUR OU D'OPÉRATEUR
WELDER OR WELDING OPERATOR QUALIFICATION TEST

Note: Les titres désignent également les hommes et les femmes

A. B. F Construction
1310, Avenue Davy,
Rouyn-Noranda,
Québec Canada J9Y 0A8

Désignation de la DMS / *Using WPS No.*: SMAW-11-1

Enregistrement provincial / *Provincial registration*: RN-72.6

Nom du soudeur ou opérateur / *Welder or operator's name*: MACÉ, FREDERICK (FM)

	Variables / *Variables*	Inscrire valeurs / *Record actual values*		Gamme qualifiée / *Qualification range*	
QW-353 Procédé/*Less*	Shielded metal arc welding	SMAW F3 Manuel / *Manual*	SMAW F4 Manuel / *Manual*	**SMAW F3** Manuel / *Manual*	**SMAW F4** Manuel / *Manual*
QW-403 Métaux de base / *Base metals*	Matériaux / *Material*	P1 à/*to* P1	P1 à/*to* P1	**(P1 à/*to* P15F) (P34) (P41 à/*to* P49)**	**(P1 à/*to* P15F) (P34) (P41 à/*to* P49)**
	Diamètre / *Diameter*	2.375" D.E / *O.D*	2.375" D.E / *O.D*	**≥ 1" D.E / *O.D***	**≥ 1" D.E / *O.D***
	Chanf. épaisseur / *Groove thick*	0.343"	0.343"	**Aucune limite / *No limit***	**Aucune limite / *No limit***
	Angle épais. / *Fillet thickness*	Tous / *All*	Tous / *All*	**Aucune limite / *No limit***	**Aucune limite / *No limit***
QW-408 Gaz / *Gaz*	Gaz de soutien / *Backing gas*	N/A	N/A	**N/A**	**N/A**
QW-409 Électricité / *Electrecity*	Courant / *Current*	CC / *DC*	CC / *DC*	**Tous / *All***	**Tous / *All***
	Polarité / *Polarity*	EP / *RP*	EP / *RP*	**Tous / *All***	**Tous / *All***
	Mode transfert / *Transfer mode*	N/A	N/A	**N/A**	**N/A**
QW-404 Métaux d'apport / *Filler metals*	No spec. / Spec No (SFA)	5.1	5.1	**5.1 5.4 5.5**	**5.1 5.4 5.5**
	AWS Classe / *Class*	F3 E-6010	F4 E-7018	**F3**	**F1, F2, F4**
	Dépôt soudure / *Weld deposit*	0.125"	0.218"	**0.250" Maximum**	**0.436" Maximum**
	Pièce inserée / *Insert*	Aucune / *None*	Aucune / *None*	**N/A**	**N/A**
QW-402 Joint	Soutien / *Backing*	Sans soutien *Without backing*	Avec soutien *With backing*	**Avec ou sans soutien *With or without backing***	**Avec soutien *With backing***
QW-405 Position	Position / *Progression*	6G Montant / *Up*	6G Montant / *Up*	**Toutes positions-montant *All positions-up***	**Toutes positions-montant *All positions-up***
QW-360 Machine	Automatique / *Automatic*	N/A	N/A	**N/A**	**N/A**

Résultat de pliage ou de radiographie / ***Guided bend or radiographic results***

QW-191 Specimens	Pliage de coté *Side bend*	Pliage transversal *Transverse bend*	Pliage longitudinal *Longitudinal bend*	Radiogrphie *Radiographic*	ACCEPTÉ / *QUALIFIED*	REFUSÉ / *REFUSED*
FM				√	ACCEPTÉ	

QW-194 Visu / el / *al*: Pénétration complète, fusion complète / *Complete joint penetration, complete fusion*

LABORATOIRE D'ESSAI MEQUALTECH

ONGC/ASNT-TC-1A Level II

0 8 OCT. 2020

Nous certifions que les renseignements ci-dessus sont exacts et que les essais de soudage ont été préparés et exécutés conformement aux exigences de la section IX du Code ASME
We certify that the statements in this record are correct and the test welds were prepared, welded and tested in accordance with the requirements of Section IX of the ASME Code

Entreprise / ***Organization***

A. B. F Construction

Organisme autorisé / ***Accredited organization***

Soudé le / *Welded on*: 2020-10-02

Inspecteur / *Inspetor*:

Accepté / *Accepted*:

Vérifié le / *Inspected on*:

Inspecteur / *Inspector*:

Refusé / *Refused*:

Préparé par
CONSULTANTS EN SOUDAGE MEQUALTECH Pour
16C-224

ÉPREUVE DE SOUDEUR OU D'OPÉRATEUR
WELDER OR WELDING OPERATOR QUALIFICATION TEST

Note: Les titres désignent également les hommes et les femmes

A. B. F Construction
1310, Avenue Davy,
Rouyn-Noranda,
Québec Canada J9Y 0A8

Désignation de la DMS / ***Using WPS No.***: GTSM-88-1

Enregistrement provincial / ***Provincial registration***: RN-74.6

Nom du soudeur ou opérateur / ***Welder or operator's name***: MACÉ, FREDERICK (FM)

	Variables / ***Variables***	**Inscrire valeurs** / ***Record actual values***		**Gamme qualifiée** / ***Qualification range***	
QW-356	Gas Tungsten Arc Welding	GTAW F6	SMAW F5	**GTAW F6**	**SMAW F5**
QW-353	Shielded Metal Arc Welding	Manuel / *Manual*	Manuel / *Manuel*	**Manuel-*Manual***	**Manuel-*Manual***
QW-403 Métaux de base *Base metals*	Matériel / *Material* (P.-No):	P1 à/to P1	P1 à/to P1	**(P1 à/*to* P15F) (P34) (P41 à/*to* P49)**	**(P1 à/*to* P15F) (P34) (P41 à/*to* P49)**
	Diamètre / *Diameter*	2" Sch 160	2" Sch 160	**≥ 1" D.E / O.D**	**≥ 1" D.E / O.D**
	Chanfrein épais. / *Groove thick*	0.343"	0.343"	**Aucune limite / *No limit***	**Aucune limite / *No limit***
	Angle épais. / *Fillet thick*	Tous / *All*	Tous / *All*	**Aucune limite / *No limit***	**Aucune limite / *No limit***
QW-408 Gaz / *Gas*	Gaz de soutien / *Backing gas*	Argon	N/A	**Avec gaz / *With gas***	N/A
QW-409 Électricité *Electricity*	Courant / *Current*	CC / *DC*	CC / *DC*	**CC / *DC***	**Tous / *All***
	Polarité / *Polarity*	EN / *SP*	EP / *RP*	**EN / *SP***	**Tous / *All***
	Mode transfert / *Transfer mode*	N/A	N/A	**N/A**	**N/A**
QW-404 Métaux d'apport *Filler metals*	No spec / *Spec No* (SFA)	5,9	5,4	**5.9 5.18 5.28**	5,4
	AWS Classe / *Class*	F6 ER-309L	F5 E-309L	F6	F5
	Dépôt soudure / *Weld deposit*	0.125"	0.218"	**0.250"**	**0.436" max.**
	Pièce inserée / *Insert*	Aucune / *None*	Aucune / *None*	**N/A**	**N/A**
QW-402 Joint	Soutien / *Backing*	Sans soutien *Without backing*	Avec soutien *With backing*	**Avec ou sans soutien *With or without backing***	**Avec soutien *With backing***
QW-405 Position	Position / *Progression*	6G Montant / *Up*	6G Montant / *Up*	**Toutes positions-montant *All positions-up***	**Toutes positions-montant *All positions-up***
QW-360 Machine	N/A	N/A	N/A	**N/A**	**N/A**

Résultat de pliage ou de radiographie / ***Guided bend or radiographic results***

QW-194 Specimens	Pliage de coté *Side bend*	Pliage transversal *Transverse bend*	Pliage longitudinal *Longitudinal bend*	Radiogrphie *Radiographic*	**ACCEPTÉ** / ***QUALIFIED***	**REFUSÉ** / ***REFUSED***
					√	

ACCEPTÉ

QW-302.4 Visu / el / al
Pénétration complète, fusion complète / *Complete joint penetration, complete fusion*
Résultats de soudure d'angle:(voir verso) / *For fillet weld test results: (see over)*

LABORATOIRE D'ESSAI MEQUALTECH ONGC/ASNT-TC-1A Level II

0 8 OCT. 2020

Nous certifions que les renseignements ci-dessus sont exacts et que les essais de soudage ont été preparés et executés conformément aux exigences de la section IX du Code ASME
We certify that the statements in this record are correct and the test welds were prepared welded and tested in accordance with the requirements of Section IX of the ASME Code

Entreprise / ***Organization***

A. B. F Construction

Organisme autorisé / ***Accredited organization***

Soudé le: 2020-10-02 *Welded on*
Inspecteur: *Inspector*
Accepté: *Qualified on*

Vérifié le: *Inspected on*
Inspecteur: *Inspector*
Refusé: *Refused on*

Préparé par
CONSULTANTS EN SOUDAGE MEQUALTECH Pour
16C-224

ÉPREUVE DE SOUDEUR OU D'OPÉRATEUR
WELDER OR WELDING OPERATOR QUALIFICATION TEST

Note: Les titres désignent également les hommes et les femmes

A. B. F Construction
1310, Avenue Davy,
Rouyn-Noranda,
Québec Canada J9Y 0A8

Désignation de la DMS / *Using WPS No.*: SMAW-11-1

Enregistrement provincial / *Provincial registration*: RN-72.6

Nom du soudeur ou opérateur / *Welder or operator's name*: RENÉ, KEVEN (K2)

	Variables / *Variables*	Inscrire valeurs / *Record actual values*		Gamme qualifiée / *Qualification range*	
QW-353 Procédé/*ess*	Shielded metal arc welding	SMAW F3 Manuel / *Manual*	SMAW F4 Manuel / *Manual*	**SMAW F3** Manuel / *Manual*	**SMAW F4** Manuel / *Manual*
QW-403 Métaux de base / *Base metals*	Matériaux / *Material*	P1 à/*to* P1	P1 à/*to* P1	**(P1 à/*to* P15F) (P34) (P41 à/*to* P49)**	**(P1 à/*to* P15F) (P34) (P41 à/*to* P49)**
	Diamètre / *Diameter*	2.375" D.E / *O.D*	2.375" D.E / *O.D*	**≥ 1" D.E / *O.D***	**≥ 1" D.E / *O.D***
	Chanf. épaisseur / *Groove thick*	0.343"	0.343"	**Aucune limite / *No limit***	**Aucune limite / *No limit***
	Angle épais. / *Fillet thickness*	Tous / *All*	Tous / *All*	**Aucune limite / *No limit***	**Aucune limite / *No limit***
QW-408 Gas / *Gaz*	Gaz de soutien / *Backing gas*	N/A	N/A	**N/A**	**N/A**
QW-409 Électricité / *Electrecity*	Courant / *Current*	CC / *DC*	CC / *DC*	**Tous / *All***	**Tous / *All***
	Polarité / *Polarity*	EP / *RP*	EP / *RP*	**Tous / *All***	**Tous / *All***
	Mode transfert / *Transfer mode*	N/A	N/A	**N/A**	**N/A**
QW-404 Métaux d'apport / *Filler metals*	No spec. / Spec No (SFA)	5.1	5.1	**5.1 5.4 5.5**	**5.1 5.4 5.5**
	AWS Classe / *Class*	F3 E-6010	F4 E-7018	**F3**	**F1, F2, F4**
	Dépôt soudure / *Weld deposit*	0.125"	0.218"	**0.250" Maximum**	**0.436" Maximum**
	Pièce inserée / *Insert*	Aucune / *None*	Aucune / *None*	**N/A**	**N/A**
QW-402 Joint	Soutien / *Backing*	Sans soutien *Without backing*	Avec soutien *With backing*	**Avec ou sans soutien *With or without backing***	**Avec soutien *With backing***
QW-405 Position	Position / *Progression*	6G Montant / *Up*	6G Montant / *Up*	**Toutes positions-montant *All positions-up***	**Toutes positions-montant *All positions-up***
QW-360 Machine	Automatique / *Automatic*	N/A	N/A	**N/A**	**N/A**

Résultat de pliage ou de radiographie / ***Guided bend or radiographic results***

QW-191 Specimens	Pliage de coté *Side bend*	Pliage transversal *Transverse bend*	Pliage longitudinal *Longitudinal bend*	Radiogrphie *Radiographic*	ACCEPTÉ / *QUALIFIED*	REFUSÉ / *REFUSED*
				√	✓	

QW-194 Visu / el / *al*: Pénétration complète, fusion complète / *Complete joint penetration, complete fusion*

LABORATOIRE D'ESSAI MEQUALTECH

ONGC/ASNT-TC-1A Level II

2020-01-23

J-0110252-11

Nous certifions que les renseignements ci-dessus sont exacts et que les essais de soudage ont été préparés et exécutés conformement aux exigences de la section IX du Code ASME
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Entreprise / ***Organization***

A. B. F Construction

Organisme autorisé / ***Accredited organization***

Soudé le: *Welded on* 2020 JAN 16

Inspecteur: *Inspetor*

Accepté: *Accepted*

Vérifié le: *Inspected on*

Inspecteur *Inspector*

Refusé: *Refused*

Préparé par
CONSULTANTS EN SOUDAGE MEQUALTECH Pour
16C-224

ÉPREUVE DE SOUDEUR OU D'OPÉRATEUR
WELDER OR WELDING OPERATOR QUALIFICATION TEST

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Enregistrement provincial / ***Provincial registration***: RN-74.6

Nom du soudeur ou opérateur / ***Welder or operator's name***: RENÉ, KEVEN (K2)

	Variables / *Variables*	Inscrire valeurs / *Record actual values*		Gamme qualifiée / *Qualification range*	
QW-356 / QW-353	Gas Tungsten Arc Welding / Shielded Metal Arc Welding	GTAW F6 Manuel / *Manuel*	SMAW F5 Manuel / *Manuel*	GTAW F6 Manuel-*Manual*	SMAW F5 Manuel-*Manual*
QW-403 Métaux de base / *Base metals*	Matériel / *Material* (P.-No):	P8 à/to P8 (M)	P8 à/to P8 (M)	(P1 à/to P15F) (P34) (P41 à/to P49)	(P1 à/to P15F) (P34) (P41 à/to P49)
	Diamètre / *Diameter*	2" Sch 160	2" Sch 160	≥ 1" D.E / O.D	≥ 1" D.E / O.D
	Chanfrein épais. / *Groove thick*	0.343"	0.343"	Aucune limite / *No limit*	Aucune limite / *No limit*
	Angle épais. / *Fillet thick.*	Tous / *All*	Tous / *All*	Aucune limite / *No limit*	Aucune limite / *No limit*
QW-408 Gaz / *Gas*	Gaz de soutien / *Backing gas*	Argon	N/A	Avec gaz / *With gas*	N/A
QW-409 Électricité / *Electricity*	Courant / *Current*	CC / *DC*	CC / *DC*	CC / *DC*	Tous / *All*
	Polarité / *Polarity*	EN / *SP*	EP / *RP*	EN / *SP*	Tous / *All*
	Mode transfert / *Transfer mode*	N/A	N/A	N/A	N/A
QW-404 Métaux d'apport / *Filler metals*	No spec / *Spec No* (SFA)	5,9	5,4	5.9 5.18 5.28	5,4
	AWS Classe / *Class*	F6 ER-309L	F5 E-309L	F6	F5
	Dépôt soudure / *Weld deposit*	0.125"	0.218"	0.250"	0.436" max.
	Pièce insérée / *Insert*	Aucune / *None*	Aucune / *None*	N/A	N/A
QW-402 Joint	Soutien / *Backing*	Sans soutien *Without backing*	Avec soutien *With backing*	Avec ou sans soutien *With or without backing*	Avec soutien *With backing*
QW-405 Position	Position / *Progression*	6G Montant / *Up*	6G Montant / *Up*	Toutes positions-montant *All positions-up*	Toutes positions-montant *All positions-up*
QW-360 Machine	N/A	N/A	N/A	N/A	N/A

Résultat de pliage ou de radiographie / ***Guided bend or radiographic results***

QW-194 Specimens	Pliage de coté / *Side bend*	Pliage transversal / *Transverse bend*	Pliage longitudinal / *Longitudinal bend*	Radiogrphie / *Radiographic*	ACCEPTÉ / *QUALIFIED*	REFUSÉ / *REFUSED*
				√	✓	

QW-302.4 Visu / el / al — Pénétration complète, fusion complète / *Complete joint penetration, complete fusion*
Résultats de soudure d'angle:(voir verso) / *For fillet weld test results : (see over)*

LABORATOIRE D'ESSAI MEQUALTECH — ONGC/ASNT-TC-1A Level II

2020-01-23

20M0252-11

Nous certifions que les renseignements ci-dessus sont exacts et que les essais de soudage ont été préparés et exécutés conformement aux exigences de la section IX du Code ASME
We certify that the statements in this record are correct and the test welds were prepared, welded and tested in accordance with the requirements of Section IX of the ASME Code

Entreprise / ***Organization***

A. B. F Construction

Organisme autorisé / ***Accredited organization***

Soudé le : *Welded on* 2020 JAN 16

Inspecteur: *Inspector* (M)

Accepté: *Qualified on*

Vérifié le: *Inspected on*

Inspecteur: *Inspector*

Refusé: *Refused on*

Garlock Sealing Technologies
1666 Division Street
Palmyra, NY 14522
(800) 448-6688

Garlock

Gasket Calculator 6.0

ASME Raised Face Flange *Quick Torque* Reference

(The following table is for Standard **Raised Face Flanges** with ASTM 193 B7 bolts and A194 2H nuts)
(For non-standard flanges please refer to the appropriate tab above. For FLAT FACE Flanges see next section below)

*** - Required Fields**

*** Flange Size & Class:** 6) 2"-150#
Please choose from the list of sizes and classes provided

Bolt Quantity: 4 **Bolt Size:** 5/8 in.

Compressed Sheet, GYLON®, GYLON EPIX™, HOCHDRUCK® 3128 & GRAPH-LOCK® 3125TC Ring Gaskets

Minimum: 69 ft.lbs. **Maximum (Preferred):** 120 ft.lbs.

GRAPH-LOCK® (except 3128 & 3125TC) and MULTI-SWELL™ 3760 & 3760-U Ring Gaskets

Minimum: 69 ft.lbs. **Maximum (Preferred):** 120 ft.lbs.

CMG - Corrugated Metal Gaskets (GRAPHONIC®, TEPHONIC®, GET®, & THERPHONIC®)

Minimum: 87 ft.lbs. **Maximum (Preferred):** 120 ft.lbs.

Kammprofile Gaskets

Minimum: 55 ft.lbs. **Maximum (Preferred):** 120 ft.lbs.

FLEXSEAL® Spiral Wound Gaskets

Minimum: 74 ft.lbs. **Maximum (Preferred):** 120 ft.lbs.

NOTE: The maximum recommended torque does not exceed 60,000 psi bolt stress.

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ASME Raised Face Flange *Quick Torque* Reference

(The following table is for Standard **Raised Face Flanges** with ASTM 193 B7 bolts and A194 2H nuts)
(For non-standard flanges please refer to the appropriate tab above. For FLAT FACE Flanges see next section below)

* - Required Fields

* **Flange Size & Class:** 8) 3"-150#
Please choose from the list of sizes and classes provided

Bolt Quantity: 4 **Bolt Size:** 5/8 in.

Compressed Sheet, GYLON®, GYLON EPIX™, HOCHDRUCK® 3128 & GRAPH-LOCK® 3125TC Ring Gaskets

Minimum: 119 ft.lbs. **Maximum (Preferred):** 120 ft.lbs.

GRAPH-LOCK® (except 3128 & 3125TC) and MULTI-SWELL™ 3760 & 3760-U Ring Gaskets

Minimum: 119 ft.lbs. **Maximum (Preferred):** 120 ft.lbs.

CMG - Corrugated Metal Gaskets (GRAPHONIC®, TEPHONIC®, GET®, & THERPHONIC®)

Minimum: 120 ft.lbs. **Maximum (Preferred):** 120 ft.lbs.

Kammprofile Gaskets

Minimum: 102 ft.lbs. **Maximum (Preferred):** 120 ft.lbs.

FLEXSEAL® Spiral Wound Gaskets

Minimum: 120 ft.lbs. **Maximum (Preferred):** 120 ft.lbs.

NOTE: The maximum recommended torque does not exceed 60,000 psi bolt stress.

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Garlock

Gasket Calculator 6.0

ASME Raised Face Flange *Quick Torque* Reference

(The following table is for Standard **Raised Face Flanges** with ASTM 193 B7 bolts and A194 2H nuts)
(For non-standard flanges please refer to the appropriate tab above. For FLAT FACE Flanges see next section below)

*** - Required Fields**

*** Flange Size & Class:** 10) 4"-150#
Please choose from the list of sizes and classes provided

Bolt Quantity: 8 **Bolt Size:** 5/8 in.

Compressed Sheet, GYLON®, GYLON EPIX™, HOCHDRUCK® 3128 & GRAPH-LOCK® 3125TC Ring Gaskets

Minimum: 84 ft.lbs. **Maximum (Preferred):** 120 ft.lbs.

GRAPH-LOCK® (except 3128 & 3125TC) and MULTI-SWELL™ 3760 & 3760-U Ring Gaskets

Minimum: 84 ft.lbs. **Maximum (Preferred):** 120 ft.lbs.

CMG - Corrugated Metal Gaskets (GRAPHONIC®, TEPHONIC®, GET®, & THERPHONIC®)

Minimum: 105 ft.lbs. **Maximum (Preferred):** 120 ft.lbs.

Kammprofile Gaskets

Minimum: 76 ft.lbs. **Maximum (Preferred):** 120 ft.lbs.

FLEXSEAL® Spiral Wound Gaskets

Minimum: 92 ft.lbs. **Maximum (Preferred):** 120 ft.lbs.

NOTE: The maximum recommended torque does not exceed 60,000 psi bolt stress.

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Garlock

Gasket Calculator 6.0

ASME Raised Face Flange *Quick Torque* Reference

(The following table is for Standard **Raised Face Flanges** with ASTM 193 B7 bolts and A194 2H nuts)
(For non-standard flanges please refer to the appropriate tab above. For FLAT FACE Flanges see next section below)

*** - Required Fields**

*** Flange Size & Class:** 12) 6"-150#
Please choose from the list of sizes and classes provided

Bolt Quantity: 8 **Bolt Size:** 3/4 in.

Compressed Sheet, GYLON®, GYLON EPIX™, HOCHDRUCK® 3128 & GRAPH-LOCK® 3125TC Ring Gaskets

Minimum: 148 ft.lbs. **Maximum (Preferred):** 200 ft.lbs.

GRAPH-LOCK® (except 3128 & 3125TC) and MULTI-SWELL™ 3760 & 3760-U Ring Gaskets

Minimum: 148 ft.lbs. **Maximum (Preferred):** 200 ft.lbs.

CMG - Corrugated Metal Gaskets (GRAPHONIC®, TEPHONIC®, GET®, & THERPHONIC®)

Minimum: 185 ft.lbs. **Maximum (Preferred):** 200 ft.lbs.

Kammprofile Gaskets

Minimum: 137 ft.lbs. **Maximum (Preferred):** 200 ft.lbs.

FLEXSEAL® Spiral Wound Gaskets

Minimum: 178 ft.lbs. **Maximum (Preferred):** 200 ft.lbs.

NOTE: The maximum recommended torque does not exceed 60,000 psi bolt stress.

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Gasket Calculator 6.0

ASME Raised Face Flange *Quick Torque* Reference

(The following table is for Standard **Raised Face Flanges** with ASTM 193 B7 bolts and A194 2H nuts)
(For non-standard flanges please refer to the appropriate tab above. For FLAT FACE Flanges see next section below)

*** - Required Fields**

*** Flange Size & Class:** 68) 6"-300#
Please choose from the list of sizes and classes provided

Bolt Quantity: 12 **Bolt Size:** 3/4 in.

Compressed Sheet, GYLON®, GYLON EPIX™, HOCHDRUCK® 3128 & GRAPH-LOCK® 3125TC Ring Gaskets

Minimum: 131 ft.lbs. **Maximum (Preferred):** 200 ft.lbs.

GRAPH-LOCK® (except 3128 & 3125TC) and MULTI-SWELL™ 3760 & 3760-U Ring Gaskets

Minimum: 131 ft.lbs. **Maximum (Preferred):** 200 ft.lbs.

CMG - Corrugated Metal Gaskets (GRAPHONIC®, TEPHONIC®, GET®, & THERPHONIC®)

Minimum: 123 ft.lbs. **Maximum (Preferred):** 200 ft.lbs.

Kammprofile Gaskets

Minimum: 92 ft.lbs. **Maximum (Preferred):** 200 ft.lbs.

FLEXSEAL® Spiral Wound Gaskets

Minimum: 118 ft.lbs. **Maximum (Preferred):** 200 ft.lbs.

NOTE: The maximum recommended torque does not exceed 60,000 psi bolt stress.

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Gasket Calculator 6.0

ASME Raised Face Flange *Quick Torque* Reference

(The following table is for Standard **Raised Face Flanges** with ASTM 193 B7 bolts and A194 2H nuts)
(For non-standard flanges please refer to the appropriate tab above. For FLAT FACE Flanges see next section below)

* - Required Fields

* Flange Size & Class: 13) 8"-150#
Please choose from the list of sizes and classes provided

Bolt Quantity: 8 Bolt Size: 3/4 in.

Compressed Sheet, GYLON®, GYLON EPIX™, HOCHDRUCK® 3128 & GRAPH-LOCK® 3125TC Ring Gaskets

Minimum: 200 ft.lbs. Maximum (Preferred): 200 ft.lbs.

GRAPH-LOCK® (except 3128 & 3125TC) and MULTI-SWELL™ 3760 & 3760-U Ring Gaskets

Minimum: 200 ft.lbs. Maximum (Preferred): 200 ft.lbs.

CMG - Corrugated Metal Gaskets (GRAPHONIC®, TEPHONIC®, GET®, & THERPHONIC®)

Minimum: 250 ft.lbs. Maximum (Preferred): 200 ft.lbs.

Kammprofile Gaskets

Minimum: 190 ft.lbs. Maximum (Preferred): 200 ft.lbs.

FLEXSEAL® Spiral Wound Gaskets

Minimum: 200 ft.lbs. Maximum (Preferred): 200 ft.lbs.

NOTE: The maximum recommended torque does not exceed 60,000 psi bolt stress.

Garlock Sealing Technologies
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Palmyra, NY 14522
(800) 448-6688

Garlock

Gasket Calculator 6.0

ASME Flat Face Flange *Quick Torque* Reference

(The following table is for Standard **Flat Face Flanges** with ASTM 193 B7 bolts and A194 2H nuts)
WARNING: Garlock does NOT recommend exceeding the flange manufacturer's maximum recommended torque specifically with non-metallic flanges.

*** Flange Size & Class:**
Please choose from the list of sizes and classes provided

Bolt Quantity: #N/A **Bolt Size:** #N/A in.

Elastomeric Gaskets - LESS THAN 70 durometer Shore A

Minimum Recommended Torque per Bolt: #N/A ft.lbs.

Maximum Recommended Torque per Bolt: #N/A ft.lbs.

Elastomeric Gaskets - 70 durometer Shore A AND HIGHER (Including STRESS SAVER Gaskets)

Minimum Recommended Torque per Bolt: #N/A ft.lbs.

Maximum Recommended Torque per Bolt: #N/A ft.lbs.

Verification of Insulation and Continuity of Equipment

90-IDT-5001-SA-00

Circuit : 6174 LT08A - d1 From 6174 LT08A to 6174-LT-09A

Discipline : Electric/Electronic System : _____

INFORMATIONS

Equipment No :	6174 LT-09 A
Voltage used :	4a 20 mA

TESTS

Dielectric Value

	A/G	B/G	C/G	N/G
Reading :				

A/B	A/C	B/C

Megger Model :

Ohmic Value

Pin 1

	A/G	B/G	C/G	N/G
Reading :	OK / OK	OK / OK	N/A / N/A	N/A / N/A

2

1	A/B	A/C	B/C
2	OK / OK	N/A / N/A	N/A / N/A

Multimeter Model : Fluke 1587

	NAME	Signature	Date
Blais Representative	Denis Paquet	Denis Paquet	19-09-2021
Client Representative	MARIO MARCIL	Mario Marcil	19-09-2021

Inspection and Test Data Sheet – Warning Device

90-IDT-5007-SA-00

Circuit : 6174TT08B-J1

Discipline :

Instrument No :	6174TT08
Instrument type :	PRO THERMO NMT539
Manufacturer :	ENDRESS + HAUSER
Serial No :	FM17CA0088

Voltage :	120 mA
Amperage :	
Localisation :	Fuel tank 8
System No :	—

	VERIFICATION BEFORE INSTALLATION	YES	NO	N/A
1.	Power the instrument	☑	☐	☐
2.	Verify the proper functioning	☑	☐	☐

VERIFICATION CARRIED OUT BY CONTRACTOR :			
	NAME	Signature	Date
Contractor representative	Denis Paquet	Denis Paquet	17-09-2021
Client representative			

	INSPECTION	YES	NO	N/A
1.	Instrument are installed as per scope	☑	☐	☐
2.	Equipment ID installed	☑	☐	☐
3.	Cable ID installed	☑	☐	☐
4.	Connection ID at both end	☑	☐	☐
5.	Grounding shield installed	☑	☐	☐
6.	Ground was installed and connected	☑	☐	☐

INSPECTION CARRIED OUT BY CONTRACTOR :			
	NAME	Signature	Date
Contractor representative	Denis Paquet	Denis Paquet	19-09-2021
Client representative			

	TEST	YES	NO	N/A
1.	Simulate the output signal from the instrument to the PLC	☑	☐	☐

TEST CARRIED OUT BY CONTRACTOR :			
	NAME	Signature	Date
Contractor representative	Denis Paquet		19-09-2021
Client representative	MARIO MARCIL	Mario Marcil	19-09-2021

COMPLETED AND COMPLIANT INSTRUMENT INSTALLATION			
	NAME	Signature	Date
Client representative			

Inspection and Test Data Sheet – Warning Device

90-IDT-5007-SA-00

Circuit : 6174 LSHH08 - J1

Discipline :

Instrument No :	6174 LSHH 08
Instrument type :	4 f / 6P encl.
Manufacturer :	Endress + Hauser
Serial No :	S401FS15027

Voltage :	–
Amperage :	–
Localisation :	Fuel tank 08
System No :	–

	VERIFICATION BEFORE INSTALLATION	YES	NO	N/A
1.	Power the instrument	☑	☐	☐
2.	Verify the proper functioning	☑	☐	☐

VERIFICATION CARRIED OUT BY CONTRACTOR :			
	NAME	Signature	Date
Contractor representative	Denis Paquet	Denis Paquet	17-06-202
Client representative			

	INSPECTION	YES	NO	N/A
1.	Instrument are installed as per scope	☑	☐	☐
2.	Equipment ID installed	☑	☐	☐
3.	Cable ID installed	☑	☐	☐
4.	Connection ID at both end	☑	☐	☐
5.	Grounding shield installed	☑	☐	☐
6.	Ground was installed and connected	☑	☐	☐

INSPECTION CARRIED OUT BY CONTRACTOR :			
	NAME	Signature	Date
Contractor representative	Denis Paquet	Denis Paquet	18-05-2021
Client representative			

	TEST	YES	NO	N/A
1.	Simulate the output signal from the instrument to the PLC	☑	☐	☐

TEST CARRIED OUT BY CONTRACTOR :			
	NAME	Signature	Date
Contractor representative	Denis Paquet	Denis Paquet	18-05-2021
Client representative	MARIO MARCIL	Mario Marcil	19-05-2021

COMPLETED AND COMPLIANT INSTRUMENT INSTALLATION			
	NAME	Signature	Date
Client representative			

Inspection and Test Data Sheet – Warning Device

90-IDT-5007-SA-00

Circuit : 6174 LT08A - J1

Discipline :

Instrument No :	6174-LT-08A
Instrument type :	FMR60 S000 6A
Manufacturer :	Endress + Hauser
Serial No :	54008001172

Voltage :	85V à 264V
Amperage :	5A
Localisation :	Fuel tank 08
System No :	-

	VERIFICATION BEFORE INSTALLATION	YES	NO	N/A
1.	Power the instrument	☑	☐	☐
2.	Verify the proper functioning	☑	☐	☐

VERIFICATION CARRIED OUT BY CONTRACTOR :			
	NAME	Signature	Date
Contractor representative	Denis Paquet	Denis Paquet	17-05-2021
Client representative			

	INSPECTION	YES	NO	N/A
1.	Instrument are installed as per scope	☑	☐	☐
2.	Equipment ID installed	☑	☐	☐
3.	Cable ID installed	☑	☐	☐
4.	Connection ID at both end	☑	☐	☐
5.	Grounding shield installed	☑	☐	☐
6.	Ground was installed and connected	☑	☐	☐

INSPECTION CARRIED OUT BY CONTRACTOR :			
	NAME	Signature	Date
Contractor representative	Denis Paquet	Denis Paquet	18-09-2021
Client representative			

	TEST	YES	NO	N/A
1.	Simulate the output signal from the instrument to the PLC	☑	☐	☐

TEST CARRIED OUT BY CONTRACTOR :			
	NAME	Signature	Date
Contractor representative	Denis Paquet	Denis Paquet	18-09-2021
Client representative	MARIO MARCIL	Mario Marcil	18-09-2021

COMPLETED AND COMPLIANT INSTRUMENT INSTALLATION			
	NAME	Signature	Date
Client representative			

Inspection and Test Data Sheet – Warning Device

90-IDT-5007-SA-00

Circuit : 6174 LI08 - C1

Discipline : _____

Instrument No :	6174 LI 08
Instrument type :	DK X001
Manufacturer :	Endress + Hauser
Serial No :	S40AE 702000

Voltage :	4a 20 mA
Amperage :	—
Localisation :	C-CAN Fuel TANK
System No :	—

	VERIFICATION BEFORE INSTALLATION	YES	NO	N/A
1.	Power the instrument	☑	☐	☐
2.	Verify the proper functioning	☑	☐	☐

VERIFICATION CARRIED OUT BY CONTRACTOR :			
	NAME	Signature	Date
Contractor representative	Denis Paquet	Denis Paquet	17-09-2021
Client representative			

	INSPECTION	YES	NO	N/A
1.	Instrument are installed as per scope	☑	☐	☐
2.	Equipment ID installed	☑	☐	☐
3.	Cable ID installed	☑	☐	☐
4.	Connection ID at both end	☑	☐	☐
5.	Grounding shield installed	☑	☐	☐
6.	Ground was installed and connected	☑	☐	☐

INSPECTION CARRIED OUT BY CONTRACTOR :			
	NAME	Signature	Date
Contractor representative	Denis Paquet	Denis Paquet	18-09-2021
Client representative			

	TEST	YES	NO	N/A
1.	Simulate the output signal from the instrument to the PLC	☑	☐	☐

TEST CARRIED OUT BY CONTRACTOR :			
	NAME	Signature	Date
Contractor representative	Denis Paquet	Denis Paquet	18-09-2021
Client representative	MARIO BARCIL	Mario Barcil	18-09-2021

COMPLETED AND COMPLIANT INSTRUMENT INSTALLATION			
	NAME	Signature	Date
Client representative			

Inspection and Test Data Sheet – Warning Device

90-IDT-5007-SA-00

Circuit : 6174-XV-08-P1

Discipline :

Instrument No :	6174 XV-08
Instrument type :	SURE 150-15-CW
Manufacturer :	DRESSER
Serial No :	710397 0101

Voltage :	230V
Amperage :	1.40 AMP
Localisation :	Bottom Fuel tank #8
System No :	N/A

	VERIFICATION BEFORE INSTALLATION	YES	NO	N/A
1.	Power the instrument	☑	☐	☐
2.	Verify the proper functioning	☑	☐	☐

VERIFICATION CARRIED OUT BY CONTRACTOR :			
	NAME	Signature	Date
Contractor representative	Denis Paquet	Denis Paquet	19-09-2021
Client representative			

	INSPECTION	YES	NO	N/A
1.	Instrument are installed as per scope	☑	☐	☐
2.	Equipment ID installed	☐	☐	☑
3.	Cable ID installed	☑	☐	☐
4.	Connection ID at both end	☑	☐	☐
5.	Grounding shield installed	☑	☐	☐
6.	Ground was installed and connected	☑	☐	☐

INSPECTION CARRIED OUT BY CONTRACTOR :			
	NAME	Signature	Date
Contractor representative	Denis Paquet	Denis Paquet	19-09-2021
Client representative			

	TEST	YES	NO	N/A
1.	Simulate the output signal from the instrument to the PLC	☑	☐	☐

TEST CARRIED OUT BY CONTRACTOR :			
	NAME	Signature	Date
Contractor representative	Denis Paquet	Denis Paquet	19-09-2021
Client representative	MARIO MARCIL	Mario Marcil	19-09-2021

COMPLETED AND COMPLIANT INSTRUMENT INSTALLATION			
	NAME	Signature	Date
Client representative			

Verification of Insulation and Continuity of Equipment

90-IDT-5001-SA-00

Circuit : 6174LT08A-P1 From - 10P-003 # CB 10

Discipline : Electric/Electronic System : _____

INFORMATIONS

Equipment No :	6174 LT 8A
Voltage used :	120 V

TESTS

Dielectric Value

	A/G	B/G	C/G	N/G
Reading :	< 2.2 GΩ	< 2.2 GΩ	< 2.2 GΩ	N/A

	A/B	A/C	B/C
	< 2.2 GΩ	< 2.2 GΩ	< 2.2 GΩ

Megger Model : Fluke 1587

Ohmic Value

	A/G	B/G	C/G	N/G
Reading :				

	A/B	A/C	B/C

Multimeter Model : _____

	NAME	Signature	Date
Blais Representative	Denis Paquet	Denis Paquet	18-09-2021
Client Representative	MARIO MARCIL	Mario Marcil	19-09-21

Verification of Insulation and Continuity of Equipment

90-IDT-5001-SA-00

Circuit : equip 6174 - HEA - 08 From 6174-DP-06 # 26-28 CB

Discipline : Electric/Electronic System : _____

INFORMATIONS

Equipment No :	6174 - HEA-08
Voltage used :	208 V

TESTS

Dielectric Value

	A/G	B/G	C/G	N/G
Reading :	< 2.2 GΩ	< 2.2 GΩ	< 2.2 GΩ	n/a

A/B	A/C	B/C
< 2.2 GΩ	< 2.2 GΩ	< 2.2 GΩ

Megger Model : Fluke 1587

Ohmic Value

	A/G	B/G	C/G	N/G
Reading :				

A/B	A/C	B/C

Multimeter Model :

	NAME	Signature	Date
Blais Representative	Dave Paquet		18-09-2001
Client Representative	MARIO MACCIA		18-09-2021

Verification of Insulation and Continuity of Equipment

90-IDT-5001-SA-00

Circuit : 6174-XV-09-P1 From 6174i09-003 # 22 CB CCT 25-27

Discipline : Electric/Electronic System : _____

INFORMATIONS

Equipment No :	6124XV-08
Voltage used :	208 V

TESTS

Dielectric Value

	A/G	B/G	C/G	N/G
Reading :	< 2.2 GΩ	< 2.2 GΩ	< 2.2 GΩ	N/A

A/B	A/C	B/C
< 2.2 GΩ	< 2.2 GΩ	< 2.2 GΩ

Megger Model : Fluke 1587

Ohmic Value

	A/G	B/G	C/G	N/G
Reading :				

A/B	A/C	B/C

Multimeter Model : _____

	NAME	Signature	Date
Blais Representative	Denis Paquet	Denis Paquet	18-09-2021
Client Representative	MARIO MARCIL	Mario Marcil	18-09-2021

Verification of Insulation and Continuity of Equipment

90-IDT-5001-SA-00

Circuit : 6174 XU-08 - C1 From iOP003 H C3 13

Discipline : Electric/Electronic System : _____

INFORMATIONS

Equipment No :	6174XU-08
Voltage used :	120 V

TESTS

Dielectric Value

	A/G	B/G	C/G	N/G
Reading :	< 2.2 GΩ	< 2.2 GΩ	< 2.2 GΩ	NC

	A/B	A/C	B/C
	< 2.2 GΩ	< 2.2 GΩ	< 2.2 GΩ

Megger Model : FLUKE 1507

Ohmic Value

	A/G	B/G	C/G	N/G
Reading :				

	A/B	A/C	B/C

Multimeter Model :

	NAME	Signature	Date
Blais Representative	Dennis Laguë	Dennis Laguë	19-09-2021
Client Representative	MARIO MARCIL	Mario Marcil	19-09-2021

Verification of Insulation and Continuity of Equipment

90-IDT-5001-SA-00

Circuit : 6174TT09B-J1 From 6174LT-08A

Discipline : Electric/Electronic System : _____

INFORMATIONS

Equipment No :	6174 TT 09B
Voltage used :	4-20MA

TESTS

Dielectric Value

	A/G	B/G	C/G	N/G
Reading :				

A/B	A/C	B/C

Megger Model :

Ohmic Value

	A/G	B/G	C/G	N/G
Reading :	OK	OK	N/A	N/A

A/B	A/C	B/C
OK	N/A	N/A

Multimeter Model : FLUKE 1587

	NAME	Signature	Date
Blais Representative	Denis Paquet	Denis Paquet	18-09-21
Client Representative	MARIO MARCOTTE	Mario Marcotte	18-09-2021

Verification of Insulation and Continuity of Equipment

90-IDT-5001-SA-00

Circuit : 6174 LI 09 - C1 From 6174LT-08A

Discipline : Electric/Electronic System : _____

INFORMATIONS

Equipment No :	6174 LI 09
Voltage used :	4 à 20ma

TESTS

Dielectric Value

	A/G	B/G	C/G	N/G
Reading :				

A/B	A/C	B/C

Megger Model :

Ohmic Value

Pair

	A/G	B/G	C/G	N/G
Reading : 1	OK	OK	N/A	N/A
2	OK	OK	N/A	N/A

	A/B	A/C	B/C
1	OK	N/A	N/A
2	OK		

Multimeter Model : Fluke 1587

	NAME	Signature	Date
Blais Representative	Denis Paquet	Denis Paquet	18-09-2021
Client Representative	MARIO MACCIA	Mario Maccia	18-09-2021