



EROUX
VISION OF RUSSEL METALS INC.
DIVISION DE MÉTAUX RUSSEL INC.



0E89340440-56797

COMBINATION SHORT FORM OF STRAIGHT BILL OF LADING - EXPRESS SHIPPING CONTRACT,
SUBJECT TO ALL TERMS, CONDITIONS AND LIMITATIONS INCORPORATED BY REFERENCE AS SHOWN ON THE BACK OF THIS BILL.
FORMULAIRE COMBINÉ DE CONNAISSANCEMENT DIRECT - ET DE CONTRAT D'EXPÉDITION PAR
MESSAGERIE ASSUJÉTI À TOUTES LES MODALITÉS, CONDITIONS ET LIMITATIONS QUI Y SONT INTÉGRÉES PAR RENVOI, AINSI
QU'IL EST INDiqué AU VERSO DU PRÉSENT CONNAISSANCEMENT.

ACIER LEROUX
1675 ROUTE DE L'AÉROPORT
C.P. 550 AMOS QC J9T3

TEL#: (819) 732-8381

PROMISE.....: 05/31/17
REPRESENTANT Yvan Bégin

EXPÉDIÉ: 00
NORMEX METAL
9088-6615 QUEBEC INC.
11 BOUL. INDUSTRIEL
ROUTE 111 EST
LA SARRE QC J9Z 2X2

VENDU: 8910165 05/31/17
NORMEX METAL
9088-6615 QUEBEC INC.
P.O. BOX 565
EARLTON ON P0J 1E0

FREIGHT TERMS
MODALITÉS DE TRANSPORT
PORT PAYÉ
CARRIÉ
TRANSPORTEUR RT# 006
NOTRE CAMION
CUSTOMER PHONE #
TÉLÉPHONE À LA CLIENTÈLE #
(819) 333-1200

#BCC PLA06074 RELACHE#
INSTRUCTIONS CLIENT:
ECRIRE # DE COULEE SUR LA COPIE ROSE DU CLIENT

FERME A 13HR00 LE VENDREDI
COMMENT.:
LIVRAISON 31 MAI 17

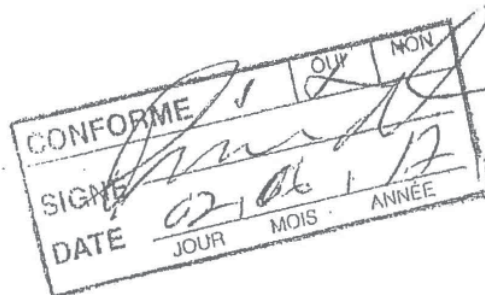
VEHICLE IDENT.
IDENTIFICATION DU VEHICULE

NIR:R-527158-1

*PROMEX CATHACK
containers*

LN#01 28862 PROFILÉ EN U 8 X 13.75 50W QTÉ COMM
#PIÉC X 20' 11 EA 3025 LB
Commentaire A COUPER
11 FOIS 20'

L-2490



Les certificats d'analyse (MTR) seront automatiquement envoyés par email

PAGE: 1

TOTALS PALETTES

11 EA 3025 LB

STEEL, STAINLESS STEEL, ALUMINUM, BRASS,
COPPER, NICKEL AND SPECIALTY STEEL

For above listed products, in a natural state, do not pose inhalation, ingestion or contact hazards.

Alonged overexposure to dust or fumes during welding, burning, grinding or machining may result in respiratory irritation, skin irritation or disease. USE ADEQUATE VENTILATION AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

For Brass and Copper Alloys, contact with acids may liberate flammable and explosive hydrogen gas. If heated, upper oxide, zinc oxide, nickel oxide, tin oxide, cadmium oxide and/or lead fumes may be evolved. Aluminum products may slip during handling or transportation.

UTCS MUST BE SECURED FOR HANDLING AND TRANSPORTATION.

Uncontained slapping may result in the slapping rebounding and injuring those nearby. EXERCISE

Caution: exposure to metal fumes, remove to fresh air. For skin contact, wash thoroughly with soap and water.

Seek medical attention if symptoms persist.

SEE MATERIAL SAFETY DATA SHEETS FOR MORE DETAILED INFORMATION.

CHASER'S ORDER IS FILLED IN ACCORDANCE WITH THE ABOVE TERMS AND CONDITIONS OF SALE AND THOSE ON THE REVERSE HEREOF, ALL OF WHICH TERMS AND CONDITIONS SUPERSEDE THE TERMS AND CONDITIONS (IF ANY) OF PURCHASER'S ORDER. BY ACCEPTING VERY OF ALL OR PART OF THE ABOVE-DESCRIBED GOODS (HEREINAFTER CALLED THE "GOODS") OR BY PAYING FOR SAME IN WHOLE OR IN PART PURCHASER AGREES TO ALL THE TERMS AND CONDITIONS SET FORTH ABOVE AND ON THE REVERSE HEREOF. L'ACHETEUR EST EXÉCUTÉ EN CONFORMITÉ DES CONDITIONS DE VENTE STIPULÉES CI-DESSUS ET AU VERSO DES PRÉSENTES. TOUTES CES CONDITIONS REMPLAÇANT CELLES (LE CAS ÉCHÉANT) ÉNONCÉES AU BORD DE COMMANDE DE L'ACHETEUR ET ÉTANT LA LIVRAISON DE TOUT OU PARTIE DES MARCHANDISES DÉCRITES CI-DESSUS (CI-APRÈS APPELÉES LES "MARCHANDISES") EN LES PAYANT INTÉGRALEMENT OU PARTIELLEMENT, L'ACHETEUR ACCEPTE TOUTES LES CONDITIONS STIPULÉES CI-DESSUS ET AU VERSO DES PRÉSENTES.

OFFICE/ADMINISTRATIVE

SHIPPING/EXPEDITION

DRIVER/CHAUFFEUR

CUSTOMER/CLIENT

RLS-L 04/1

6/02/17 9:02:40

EMAIL PAGE COUVERTURE

=====

Société:

6/02/17 9:02:40

Document Sommaire

Page couverture 1

Objet: MILL TEST CERTIFICATE

NO.COMMANDE :89340440

No.Bc Du Client :PLA06074

City : LA SARRE State/Province . QC

Séquence correspondant au(x) MTR imprimé(s):

Ln#	Description item:	Coulée	MTR
1	8 X 13.75 PROFILÉ EN U 50W	52077454	094130101



EROUX
DIVISION OF RUSSEL METALS INC.
DIVISION de MÉTAUX RUSSEL INC.



0E89340907-56883

COMBINATION SHORT FORM OF STRAIGHT BILL OF LADING - EXPRESS SHIPPING CONTRACT,
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ACIER LEROUX

1675 ROUTE DE L'AÉROPORT

C.P. 550 AMOS QC J9T3

TEL#: (819) 732-8381

PROMISE.....: 06/02/17

REPRESENTANT Yvan Bégin

EXPÉDIÉ: 00
NORMEX METAL
9088-6615 QUEBEC INC.
11 BOUL. INDUSTRIEL
ROUTE 111 EST
LA SARRE QC J9Z 2X2

VENDU: 8910165 06/01/17
NORMEX METAL
9088-6615 QUEBEC INC.
P.O. BOX 565
EARLTON ON P0J 1E0

FREIGHT TERMS
MODALITÉS DE TRANSPORT
PORT PAYÉ
CARRIER
TRANSPORTEUR RT# 006
NOTRE CAMION
CUSTOMER PHONE #
TÉLÉPHONE À LA CLIENTÈLE #
(819) 333-1200

#BCC PLA06103

RELACHE#

INSTRUCTIONS CLIENT:

ECRIRE # DE COULEE SUR LA COPIE ROSE DU CLIENT

FERME A 13HR00 LE VENDREDI

COMMENT.:

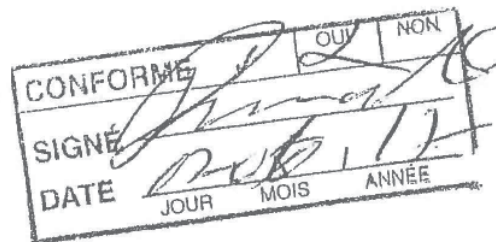
LIVRAISON 2 JUIN 17

VEHICLE IDENT.
IDENTIFICATION DU VEHICULE

NIR: R-527158-1

LN#01 28862 PROFILÉ EN U 8 X 13.75 50W QTÉ COMM
#PIÉC X 20' 1 EA 275 LB
Commentaire A COUPER
1 FOIS 20'

L-2497



Les certificats d'analyse (MTR) seront automatiquement envoyés par email

PAGE: 1

TOTALS PALETTES

1 EA

275 LB

STEEL, STAINLESS STEEL, ALUMINUM, BRASS,
COPPER, NICKEL AND SPECIALTY STEEL.

The above listed products, in a natural state, do not pose inhalation, ingestion or contact hazards.

Prolonged overexposure to dust or fumes during welding, burning, grinding or machining may result in respiratory irritation, skin irritation or disease. USE ADEQUATE VENTILATION AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

For Brass and Copper Alloys, contact with acids may liberate flammable and explosive hydrogen gas. If heated, copper oxide, zinc oxide, nickel oxide, tin oxide, cadmium oxide and/or lead fumes may be evolved. Aluminum products may slip during handling or transportation.

*LOTS MUST BE SECURED FOR HANDLING AND TRANSPORTATION.
*lot containment strapping may result in the strapping rebounding and injuring those nearby. EXERCISE

For overexposure to metal fumes, remove to fresh air. For skin contact, wash thoroughly with soap and water.

Obtain medical attention if symptoms persist.

SEE MATERIAL SAFETY DATA SHEETS FOR MORE DETAILED INFORMATION.

PURCHASER'S ORDER IS FILLED IN ACCORDANCE WITH THE ABOVE TERMS AND CONDITIONS OF SALE AND THOSE ON THE REVERSE HEREOF. ALL OF WHICH TERMS AND CONDITIONS SUPERSEDE THE TERMS AND CONDITIONS (IF ANY) OF PURCHASER'S ORDER. BY ACCEPTING ANY OF ALL OR PART OF THE ABOVE DESCRIBED GOODS (HEREINAFTER CALLED THE 'GOODS') OR BY PAYING FOR SAME IN WHOLE OR IN PART PURCHASER AGREES TO ALL THE TERMS AND CONDITIONS SET FORTH ABOVE AND ON THE REVERSE HEREOF. COMMANDE DE L'ACHETEUR EST EXÉCUTÉE EN CONFORMITÉ DES DÉCLARATIONS DE VENTE STIPULÉES CI-DESSUS ET AU VERSO DES PRÉSENTES. TOUTES CES CONDITIONS REMPLAÇANT CELLES (LE CAS ÉCHÉANT) ÉNONCÉES AU BON DE COMMANDE DE L'ACHETEUR. SEPTANT LA LIVRAISON DE TOUT OU PARTIE DES MARCHANDISES DÉCRITES CI-DESSUS (CI-APRÈS APPELÉES LES 'MARCHANDISES') OU EN LES PAYANT INTÉGRALEMENT OU PARTIELLEMENT, L'ACHETEUR ACCEPTE TOUTES LES CONDITIONS STIPULÉES CI-DESSUS ET

OFFICE/ADMINISTRATIVE

SHIPPING/EXPEDITION

DRIVER/CHAUFFEUR

CUSTOMER/CLIENT

RL-1.04

6/02/17 9:03:43

EMAIL PAGE COUVERTURE

=====
Société:

6/02/17 9:03:43

Document Sommaire

Page couverture 1

Objet: MILL TEST CERTIFICATE

NO.COMMANDE :89340907

No.Bc Du Client :PLA06103

City : LA SARRE State/Province , QC

Séquence correspondant au(x) MTR imprimé(s):

Ln#	Description item:	Coulée	MTR
1	8 X 13.75 PROFILÉ EN U 50W	52077454	094130101



Canada

1/1 વર્ષ

CUSTOMER PURCHASE ORDER NUMBER

CHEMICAL COMPOSITION

MECHANICAL PROPERTIES

This guide meets the requirements for the following grades:
ASTM Grades: A36; A529-50; A572-50; A709-36; A709-50
CSA Grades 44W; 50W
AASHTO Grades: M270-36; M270-50
ASME Grades: SA36



094130101

Maskary
BIJASKAR YALAMANCHILI
QUALITY DIRECTOR

LEONARDO NUNES
QUALITY ASSURANCE MGR.

Phone: (409) 769-1014 Email: Yalmanncnchill@gmail.com

Phone: (905) 668-8811 EXT 4055 Email: Leonardo.Nunes@gerdan.com



COMBINATION SHORT FORM OF STRAIGHT BILL OF LADING - EXPRESS SHIPPING CONTRACT,
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TEL#: (819) 732-8381

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NORMEX METAL
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VENDU: 8910165 06/01/17
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9088-6615 QUEBEC INC.
P.O. BOX 565
EARLTON ON P0J 1E0

FREIGHT TERMS
MODALITÉS DE TRANSPORT
PORT PAYÉ
CARRIER
TRANSPORTEUR RT# 006
NOTRE CAMION
CUSTOMER PHONE #
TELEPHONE À LA CLIENTÈLE #
(819) 333-1200

#BCC PLA06103 RELACHE#
INSTRUCTIONS CLIENT:
ECRIRE # DE COULEE SUR LA COPIE ROSE DU CLIENT

FERME A 13HR00 LE VENDREDI
COMMENT.:
LIVRAISON 2 JUIN 17

VEHICLE IDENT.
IDENTIFICATION DU VEHICULE
NIR:R-527158-1

Extra promise
2 containers CATHALAN

LN#02 38700 CORNIÈRE ACIER L.à.C. 2 X 2 X 1/4 44W QTÉ COMM
#PIÉC 1-2487 X 20' 3 EA 191 LB
QTÉ expédiée.....
ÉTQ 9063529 COUL 52078255 3 EA 191 LB PAYS CANADA

LN#03 32222 CORNIÈRE ACIER L.à.C. 2 1/2 X 2 1/2 X 1/4 44W QTÉ COMM
#PIÉC 1-2488 X 20' 2 EA 164 LB
QTÉ expédiée.....
ÉTQ 9063603 COUL 52077203 2 EA 164 LB PAYS CANADA

CONFORME	OUI	NON
SIGNÉ	<i>[Signature]</i>	
DATE	05-06-17	
	JOUR	MOIS ANNÉE

Les certificats d'analyse (MTR) seront automatiquement envoyés par email

PAGE: 1

TOTALS PALETTES

5 EA

355 LB

STEEL, STAINLESS STEEL, ALUMINUM, BRASS,
COPPER, NICKEL AND SPECIALTY STEEL.
The above listed products, in a natural state, do not pose inhalation, ingestion or contact hazards.
Prolonged overexposure to dust or fumes during welding, burning, grinding or machining may result in
respiratory irritation, skin irritation or disease. USE ADEQUATE VENTILATION AND APPROPRIATE PERSONAL
PROTECTIVE EQUIPMENT.
For Brass and Copper Alloys, contact with acids may liberate flammable and explosive hydrogen gas. If heated,
copper oxide, zinc oxide, nickel oxide, tin oxide, cadmium oxide and/or lead fumes may be evolved. Aluminum
products may slip during handling or transportation.
FACTS MUST BE SECURED FOR HANDLING AND TRANSPORTATION.
All containers shipping may result in the shipping rebounding and injuring those nearby. EXERCISE
caution.
For overexposure to metal fumes, remove to fresh air. For skin contact, wash thoroughly with soap and water.
Obtain medical attention if symptoms persist.
SEE MATERIAL SAFETY DATA SHEETS FOR MORE DETAILED INFORMATION.



ACIER, ACIER INOXYDABLE, ALUMINIUM, LATON,
CUIVRE, NICKEL ET ACIER SPÉCIALISÉ
Les produits mentionnés ci-haut, à l'état brut, ne causent aucun danger au contact, en cas d'inhalation ou
d'ingestion.
Une surexposition aux poussières ou aux émanations durant la soudure, la coupe au chalumeau, le meulage ou
l'usinage pourrait résulter en une irritation des voies respiratoires ou de la peau ou autres maux. UNE
VENTILATION ADEQUATE EST DE NÉCESSITÉ AINSI QU'UN ÉQUIPEMENT PROTÉCTEUR APPROPRIÉ.
Pour ce qui est des alliages de cuivre et de laiton, un contact avec certains acides pourrait dégager des gaz
hydrogène explosifs et inflammables. Si chauffé, de l'oxyde de cuivre, de zinc, de nickel, d'étain, de cadmium
et/ou des vapeurs de plomb pourraient s'échapper. Les produits échantillonnés peuvent glisser lors de leur
manipulation ou transport.
TOUTS LES PRODUITS DOIVENT ÊTRE ATTACHÉS SÈchement LORS DU TRANSPORT ET DE LA
MANIPULATION.
Lors de la coupe, les courroies d'acier peuvent rebondir et causer des blessures. MANIPULEZ AVEC
PRÉCAUTION.
En cas d'une surexposition aux émanations, retirez-vous et respirez de l'air frais. Si y a contact avec la peau
lavez la région affectée avec de l'eau et du savon. Si les symptômes persistent consultez votre médecin.
POUR PLUS D'INFORMATION, CONSULTÉZ LA FEUILLE DE DONNÉES DE SÉCURITÉ.

DATE

SIGNED
SIGNÉ

CHASER'S ORDER IS FILLED IN ACCORDANCE WITH THE ABOVE TERMS AND CONDITIONS OF SALE AND THOSE ON THE REVERSE HEREOF, ALL OF WHICH TERMS AND CONDITIONS SUPERSEDE THE TERMS AND CONDITIONS (IF ANY) OF PURCHASER'S ORDER. BY ACCEPTING
IVERY OF ALL OR PART OF THE ABOVE-DESCRIBED GOODS (HEREINAFTER CALLED THE "GOODS") OR BY PAYING FOR SAME IN WHOLE OR IN PART PURCHASER AGREES TO ALL THE TERMS AND CONDITIONS SET FORTH ABOVE AND ON THE REVERSE HEREOF.
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SEPTANT LA LIVRAISON DE TOUT OU PARTIE DES MARCHANDISES DÉCRITES CI-DESSUS (CI-APRÈS APPELÉES LES "MARCHANDISES") OU EN LES PAYANT INTÉGRALEMENT OU PARTIELLEMENT, L'ACHETEUR ACCEPTE TOUTES LES CONDITIONS STIPULÉES CI-DESSUS ET /
SO DES PRÉSENTES.

OFFICE/ADMINISTRATIVE

SHIPPING/EXPEDITION

DRIVER/CHAUFFEUR

CUSTOMER/CLIENT

RLS-L 04/

6/02/17 8:47:14

EMAIL PAGE COUVERTURE

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Société:

6/02/17 8:47:14

Document Sommaire

Page couverture 1

Objet: MILL TEST CERTIFICATE

NO.COMMANDE :89340908

No.Bc Du Client :PLA06103

City : LA SARRE State/Province . QC

Séquence correspondant au(x) MTR imprimé(s):

Ln#	Description item:	Coulée	MTR
2	2 X 2 X 1/4 CORN. LAC 44W	52078255	094131988

3	2 1/2 X 2 1/2 X 1/4 CORN. LAC 44W	52077203	094128583
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CA-ML-CAMBRIDGE
160 ORION PLACE
CAMBRIDGE, ON N1T 1R9
Canada

CERTIFIED MATERIAL TEST REPORT

Page 1/1

CUSTOMER PURCHASE ORDER NUMBER 94038191-FEMQ2		BILL OF LADING 1301-0000029491		DATE 05/05/2017	
CUSTOMER SHIP TO LEROUX STEEL 1331 RUE GRAHAM BELL BOUCHERVILLE, QC J4B 6A1 Canada		CUSTOMER BILL TO LEROUX STEEL 1331 RUE GRAHAM BELL BOUCHERVILLE, QC J4B 6A1 Canada		GRADE GCMULIT	
SALES ORDER 4774780/000100		CUSTOMER MATERIAL N°		SPECIFICATION / DATE OF REVISION ASTM A529-14, A572-15 ASTM A6-14, A36-14, ASME SA-36 ASTM A709-15, AASHTO M270-12 CSA G40.20-13/G40.21-13	
SHAPE / SIZE Angle / 2X2X1/4		WEIGHT 37,324 LB		HEAT / BATCH S2078255/02	

CHEMICAL COMPOSITION									
C	%	P	%	S	%	Si	%	Mn	%
0.14	0.74	0.015	0.033	0.037	0.37	0.18	0.09	0.10	0.001
MECHANICAL PROPERTIES									
Elong.	%	UTS	MPa	UTS	MPa	YS	MPa	YS	MPa
25.00	8.000	73987	510	72747	502	53590	370	52205	360
27.50	8.000								

COMMENTS / NOTES
This grade meets the requirements for the following grades:
ASTM Grades: A36; A529-50; A572-50; A709-50; A709-50
CSA Grades: 44W; 50W
AASHTO Grades: M270-36; M270-50
ASME Grades: SA36



094131988

The above figures are certified chemical and physical test records as contained in the permanent records of company. We certify that these data are correct and in compliance with specified requirements. This material, including the billets, was melted and manufactured in Canada. CMTR complies with EN 10204 3.1.

Blaskov
BHASKAR YALAMANCHILU
QUALITY DIRECTOR

Leonardo Nunes
LEONARDO NUNES
QUALITY ASSURANCE MGR.

Phone: (409) 769-1014 Email: Bhaskar.Yalamanchilu@gerdau.com

Phone: (505) 668-8811 EXT 4055 Email: Leonardo.Nunes@gerdau.com



GERDAU

CA-ML-WHITBY

1 GERDAU CT

WHITBY, ON L1N 5T1

Canada

CERTIFIED MATERIAL TEST REPORT

Page 1/1

CUSTOMER PURCHASE ORDER NUMBER 94037803-FEMQ1		BILL OF LADING 1302-0000055481		DATE 02/08/2017	
CUSTOMER SHIP TO LEROUX STEEL 1331 RUE GRAHAM BELL BOUCHERVILLE, QC J4B 6A1 Canada		CUSTOMER MATERIAL N°		GRADE GGMULTI	
SALES ORDER 4465103/000180		CUSTOMER MATERIAL N°		SHAPE / SIZE Angle / 2 1/2X2 1/2X1/4	
SPECIFICATION / DATE or REVISION ASTM A529-14, A572-15 ASTM A6-14, A36-14, ASME SA-36 ASTM A709-15, AASHTO M270-12 CSA C40.20-13/G40.21-13		LENGTH 20'00"		WEIGHT 37,884 LB	
HEAT / BATCH 52077503/02					

CHEMICAL COMPOSITION									
C %	0.13	P %	0.018	S %	0.044	Si %	0.18	Cu %	0.31
Mn %	0.77							Ni %	0.11
								Cr %	0.13
								V %	0.016
								Nb %	0.001
MECHANICAL PROPERTIES									
Elong. %	28.80	G/L Inch	8.000	UTS MPa	489	UTS PSI	70992	YS 0.2% MPa	379
	28.80		8.000		490		71000		378

COMMENTS / NOTES

This grade meets the requirements for the following grades:
ASTM Grades: A36; A529-50; A572-50; A709-36; A709-50
CSA Grades: 44W; 50W
AASHTO Grades: M270-36; M270-50
ASME Grades: SA36



094128583

The above figures are certified chemical and physical test records as contained in the permanent records of company. We certify that these data are correct and in compliance with specified requirements. This material, including the billets, was melted and manufactured in Canada. CMTR complies with EN 10204 3.1.

Maskary
BRASKAR YALAKANCHILI
QUALITY DIRECTOR

Leonardo Nunes
LEONARDO NUNES
QUALITY ASSURANCE MGR.

Phone: (409) 769-1014 Email: Baskar.Yalakanchili@gerdau.com

Phone: (905) 668-8811 EXT 4055 Email: Leonardo.Nunes@gerdau.com



E. LEROUX
DIVISION OF RUSSEL METALS INC.
FONDSION DE METAUX RUSSEL INC.



0E89340478-56711

COMBINATION SHORT FORM OF STRAIGHT BILL OF LADING - EXPRESS SHIPPING CONTRACT,
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ACIER LEROUX
1675 ROUTE DE L'AÉROPORT
C.P. 550 AMOS QC J9T3

TEL#: (819) 732-8381

PROMISE.....: 05/31/17
REPRESENTANT J LALANCETTE

EXPÉDIÉ: 00
NORMEX METAL
9088-6615 QUEBEC INC.
11. BOUL. INDUSTRIEL
ROUTE 111 EST
LA SARRE QC J9Z 2X2

VENDU: 8910165 05/30/17
NORMEX METAL
9088-6615 QUEBEC INC.
P.O. BOX 565
EARLTON ON P0J 1E0

FREIGHT TERMS
MODALITÉS DE TRANSPORT
PORT PAYÉ
CARRIER
TRANSPORTEUR T# 006
NOTRE CAMION
CUSTOMER PHONE #
TELEPHONE À LA CLIENTÈLE #
(819) 333-1200

#BCC PLA06076 RELACHE#
INSTRUCTIONS CLIENT:
ECRIRE # DE COULEE SUR LA COPIE ROSE DU CLIENT

FERME A 13HR00 LE VENDREDI

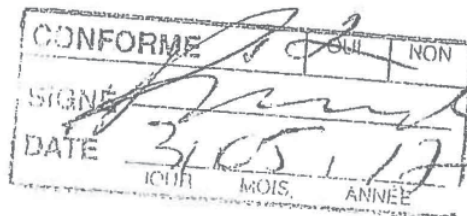
VEHICLE IDENT.
IDENTIFICATION DU VEHICULE

NIR: R-527158-1

DIKE CAT WALK

LN#01 38642 CORNIÈRE ACIER L.à.C 1 1/2 X 1 1/2 X 3/16 44W QTÉ COMM
#PIÉC L-2478 X 20' 1 EA 36 LB
QTÉ expédiée.....
ÉTO 9061831 COUL 52077556 1 EA 36 LB PAYS CANADA ✓

LN#02 15889 PROFILÉ EN U 10 X 15.3 50W QTÉ COMM
#PIÉC L-2479 X 40' 7 EA 4284 LB
QTÉ expédiée.....
ÉTO 9063112 COUL 613252 7 EA 4284 LB PAYS POLOGNE ✓



Les certificats d'analyse (MTR) seront automatiquement envoyés par email

PAGE: 1

TOTALS PALETTES

8 EA

4320 LB

STEEL, STAINLESS STEEL, ALUMINUM, BRASS,
COPPER, NICKEL AND SPECIALTY STEEL

The above listed products, in a natural state, do not pose inhalation, ingestion or contact hazards.

Prolonged exposure to dust or fumes during welding, burning, grinding or machining may result in respiratory irritation, skin irritation or disease. USE ADEQUATE VENTILATION AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

For Brass and Copper Alloys, contact with acids may liberate flammable and explosive hydrogen gas. If heated, copper oxide, also oxide, nickel oxide, tin oxide, cadmium oxide and/or lead fumes may be evolved. Aluminum products may also undergo oxidation.

CAUTION: MUST BE SECURED FOR HANDLING AND TRANSPORTATION. If containment strapping may result in the strapping rebounding and injuring those nearby. EXERCISE

CAUTION: exposure to metal fumes, remove to fresh air. For skin contact, wash thoroughly with soap and water. Obtain medical attention if symptoms persist.

SEE MATERIAL SAFETY DATA SHEETS FOR MORE DETAILED INFORMATION.

BUYER'S ORDER IS FILLED IN ACCORDANCE WITH THE ABOVE TERMS AND CONDITIONS OF SALE AND THOSE ON THE REVERSE HEREOF, ALL OF WHICH TERMS AND CONDITIONS SUPERSEDE THE TERMS AND CONDITIONS (IF ANY) OF PURCHASER'S ORDER, BY ACCEPTANCE OF ALL OR PART OF THE ABOVE-DESCRIBED GOODS (HEREINAFTER CALLED THE "GOODS") OR BY PAYING FOR SAME IN WHOLE OR IN PART PURCHASER AGREES TO ALL THE TERMS AND CONDITIONS SET FORTH ABOVE AND ON THE REVERSE HEREOF. COMMANDÉ DE L'ACHETEUR EST EXÉCUTÉE EN CONFORMITÉ DES CONDITIONS DE VENTE STIPULÉES CI-DESSUS ET AU VERSO DES PRÉSENTES. TOUTES CES CONDITIONS REMPLAÇANT CELLES (LE CAS ÉCHÉANT) ÉNONCÉES AU BON DE COMMANDE DE L'ACHETEUR. CEPTANT LA LIVRAISON DE TOUT OU PARTIE DES MARCHANDISES DÉCRITES CI-DESSUS (CI-APRÈS APPELÉES LES "MARCHANDISES") OU EN LES PAYANT INTÉGRALEMENT OU PARTIELLEMENT, L'ACHETEUR ACCEPTE TOUTES LES CONDITIONS STIPULÉES CI-DESSUS ET AU VERSO DES PRÉSENTES.

OFFICE/ADMINISTRATIVE

SHIPPING/EXPEDITION

DRIVER/CHAUFFEUR

CUSTOMER/CLIENT

RLS 0

6/01/17 8:05:46

EMAIL PAGE COUVERTURE

=====
Société: Acier Leroux - Amos

6/01/17 8:05:46

Document Sommaire

Page couverture 1

Objet: MILL TEST CERTIFICATE

NO.COMMANDE :89340478

No.Bc Du Client :PLA06076

City : LA SARRE State/Province . QC

Séquence correspondant au(x) MTR imprimé(s):

Ln#	Description item:	Coulée	MTR
1	1 1/2 X 1 1/2 X 3/16 CORN. LAC 44W	52077556	094129587

2	10 X 15.3 PROFILÉ EN U 50W	613252	094124694



GERDAU

CA-ML-CAMBRIDGE
160 ORION PLACE
CAMBRIDGE, ON N1T 1R9
Canada

CERTIFIED MATERIAL TEST REPORT

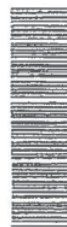
Page 1/1

CUSTOMER PURCHASE ORDER NUMBER 94037961	CUSTOMER PURCHASE ORDER NUMBER 1301-0000028506	DATE 03/07/2017	CUSTOMER MATERIAL N°	CUSTOMER ORDER 4585552/000060	CUSTOMER BILL TO LEROUX STEEL 1331 RUE GRAHAM BELL BOUCHERVILLE, QC J4B 6A1 Canada	GRADE OGMUL11	SHAPE / SIZE Angle / 1 1/2X1 1/2X3/16	DOCUMENT 0000033196
BILL OF LADING 1301-0000028506			CUSTOMER MATERIAL N°	SALES ORDER 4585552/000060	CUSTOMER BILL TO LEROUX STEEL 1331 RUE GRAHAM BELL BOUCHERVILLE, QC J4B 6A1 Canada	LENGTH 20'00"	WEIGHT 25,740 LB	HEAT / BATCH 52077556/02
SPECIFICATION / DATE of REVISION ASTM A529-14, A572-15 ASTM A6-14, A36-14, ASME SA-36 ASTM A709-15, AASHTO M270-12 CSA G40.20-13/G40.21-13			CUSTOMER MATERIAL N°	SALES ORDER 4585552/000060	CUSTOMER BILL TO LEROUX STEEL 1331 RUE GRAHAM BELL BOUCHERVILLE, QC J4B 6A1 Canada	LENGTH 20'00"	WEIGHT 25,740 LB	HEAT / BATCH 52077556/02

CHEMICAL COMPOSITION									
C	0.15	P	0.020	S	0.018	Si	0.17	Mn	0.78
Fe									
MECHANICAL PROPERTIES									
Elong.	25.00	G/A	inch	UTS	psi	UTS	MPa	YS	MPa
				74339		513		367	
				74556		514		370	

COMMENTS / NOTES

This grade meets the requirements for the following grades:
ASTM Grades: A36, A529-50; A572-50; A709-36; A709-50
CSA Grades: 44W; 50W
AASHTO Grades: M270-36; M270-50
ASME Grades: SA36



094129587

The above figures are certified chemical and physical test records as contained in the permanent records of company. We certify that these data are correct and in compliance with specified requirements. This material, including the billets, was melted and manufactured in Canada. CMTR complies with EN 10204 3.1.

Max May
BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Leonardo Nunes
LEONARDO NUNES
QUALITY ASSURANCE MGR

Phone: (409) 769-1014 Email: Bhaskar.Yalamanchili@gerdau.com

Phone: (905) 668-8811 EXT 4055 Email: Leonardo.Nunes@gerdau.com

A01 ArcelorMittal Poland S.A. Oddział w Dąbrowie Górniczej al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza	A02 MILL TEST REPORT	Z01.1 Dąbrowa Górnicza, 12.09.2018 																																											
ASTM A6/A6M Nr: 1001876000																																													
A06.1 Purchaser: ARCELOMITTAL COMMERCIAL SECTIONS S A 4221 ESCH-SUR-ALZETTE Luksemburg / Luxembourg / Luxemburg 68 RUE DE LUXEMBOURG 68 RUE DE LUXEMBOURG																																													
A05.2 Address: Acier Leroux div. of Russet Metals 401697 J4B 6A1 BOUCHERVILLE Kanada / Canada / Kanada 1331, GRAHAM BEL																																													
A07	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 25%;">No of purchase order</th> <th style="width: 25%;">Contract No</th> <th style="width: 25%;">Manuf. Order No/Pos</th> <th style="width: 25%;">Delivery Note</th> <th style="width: 20%;">Number of transport</th> </tr> <tr> <td>M94037300</td> <td>PL277839653/16-10685468</td> <td>20014545/000007</td> <td>62452828</td> <td>316139455689</td> </tr> <tr> <td colspan="2">ORDER: M94037300</td> <td>LOT: SOREL</td> <td colspan="2">PREBON: 1700023428/7</td> </tr> </table>		No of purchase order	Contract No	Manuf. Order No/Pos	Delivery Note	Number of transport	M94037300	PL277839653/16-10685468	20014545/000007	62452828	316139455689	ORDER: M94037300		LOT: SOREL	PREBON: 1700023428/7																													
No of purchase order	Contract No	Manuf. Order No/Pos	Delivery Note	Number of transport																																									
M94037300	PL277839653/16-10685468	20014545/000007	62452828	316139455689																																									
ORDER: M94037300		LOT: SOREL	PREBON: 1700023428/7																																										
B01 <table style="width: 100%;"> <tr> <td style="width: 33%; text-align: center;">According ASTM A6/A6M-14</td> <td style="width: 33%; text-align: center;">Classification standards CSA G40.21-04</td> <td style="width: 33%; text-align: center;">Tolerance standards ASTM A6/A6M-14</td> </tr> </table> B02-B03 B09-B11 Heavy channels C 10 X 15,3 length: 12192,00 mm steel grade: 350W			According ASTM A6/A6M-14	Classification standards CSA G40.21-04	Tolerance standards ASTM A6/A6M-14																																								
According ASTM A6/A6M-14	Classification standards CSA G40.21-04	Tolerance standards ASTM A6/A6M-14																																											
B07	Heat 613252	Bundles/Pieces 8 / 128	B13 Weight 35,536 t																																										
Total 04:33:02 ORIGINAL/ORIGINAL 1040332026 8 / 128 35,536 t																																													
C71-C92 Chemical composition [%]																																													
B07	Heat 613252	<table style="width: 100%; text-align: center;"> <tr> <th>C</th><th>Mn</th><th>Si</th><th>P</th><th>S</th><th>Cu</th><th>Cr</th><th>Ni</th><th>Al</th><th>N₂</th><th>Mo</th><th>Nb</th><th>V</th><th>Ti</th><th>Sn</th><th>Pb</th><th>As</th><th>B</th><th>O</th><th>H₂</th><th>CEV</th> </tr> <tr> <td>0,18</td><td>0,71</td><td>0,195</td><td>0,013</td><td>0,010</td><td>0,03</td><td>0,04</td><td>0,015</td><td>0,003</td><td>0,0087</td><td>0,005</td><td>0,001</td><td>0,023</td><td>0,001</td><td>0,004</td><td>0,001</td><td>0,001</td><td>0,0002</td><td></td><td></td><td>0,28</td> </tr> </table>		C	Mn	Si	P	S	Cu	Cr	Ni	Al	N ₂	Mo	Nb	V	Ti	Sn	Pb	As	B	O	H ₂	CEV	0,18	0,71	0,195	0,013	0,010	0,03	0,04	0,015	0,003	0,0087	0,005	0,001	0,023	0,001	0,004	0,001	0,001	0,0002			0,28
C	Mn	Si	P	S	Cu	Cr	Ni	Al	N ₂	Mo	Nb	V	Ti	Sn	Pb	As	B	O	H ₂	CEV																									
0,18	0,71	0,195	0,013	0,010	0,03	0,04	0,015	0,003	0,0087	0,005	0,001	0,023	0,001	0,004	0,001	0,001	0,0002			0,28																									
Mechanical properties																																													
B07	C11 TENSILE TEST	C12 UTS	C13 EL																																										
Heat	YS [Mpa]	YS02 [Mpa]	EL [%]																																										
613252	417,0	508,0	20,1																																										
613252	433,0	508,0	20,2																																										
C42 - Work of fracture CHARPY IMPACT TEST [J]																																													
Temp.	Test 1	Test 2	Test 3																																										
°C	J	J	J																																										
613252	417,0	508,0	20,1																																										
613252	433,0	508,0	20,2																																										
Z01 Statement of compliance: The producer guarantees that delivered goods are in accordance with the conditions of the order.																																													
A05, Z02.2 Główny Specjalista ds. Certyfikacji Wyrobów i Dokumentacji ArcelorMittal - Dąbrowa Górnicza Zdzisław Guczkowski																																													

Wysławik Antoni Guczkowski

LEROUX



094124694

Strona 1 / 1



DIVISION OF RUSSEL METALS INC.
DIVISION MÉTAUX RUSSEL INC.



0E89340478-56711

COMBINATION SHORT FORM OF STRAIGHT BILL OF LADING - EXPRESS SHIPPING CONTRACT,
SUBJECT TO ALL TERMS, CONDITIONS AND LIMITATIONS INCORPORATED BY REFERENCE AS SHOWN ON THE BACK OF THIS BILL.
FORMULAIRE COMBINÉ DE CONNAISSANCE DIRECT - ET DE CONTRAT D'EXPÉDITION PAR
MESSAGERIE ASSUJETTI À TOUTES LES MODALITÉS, CONDITIONS ET LIMITATIONS QUI Y SONT INTÉGRÉES PAR RENVOI, AINSI
QU'IL EST INDIQUÉ AU VERSO DU PRÉSENT CONNAISSANCE.

ACIER LEROUX
1675 ROUTE DE L'AÉROPORT
C.P. 550 AMOS QC J9T3

TEL#: (819) 732-8381

PROMISE.....: 05/31/17
REPRESENTANT J LALANCETTE

EXPÉDIÉ: 00
NORMEX METAL
9088-6615 QUEBEC INC.
11, BOUL. INDUSTRIEL
ROUTE 111 EST
LA SARRE QC J9Z 2X2

VENDU: 8910165 05/30/17
NORMEX METAL
9088-6615 QUEBEC INC.
P.O. BOX 565
EARLTON ON P0J 1E0

FREIGHT TERMS
MODALITÉS DE TRANSPORT
PORT PAYÉ
CARRIER
TRANSPORTEUR T# 006
NOTRE CAMION
CUSTOMER PHONE #
TELEPHONE À LA CLIENTÈLE #
(819) 333-1200

#BCC PLA06076

RELACHE#

VEHICLE IDENT
IDENTIFICATION DU VEHICULE

INSTRUCTIONS CLIENT:

NIR: R-527158-1

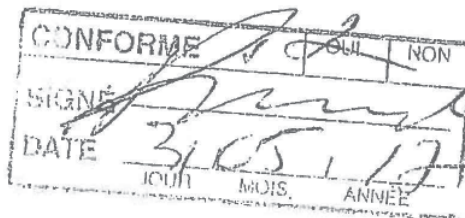
ECRIRE # DE COULEE SUR LA COPIE ROSE DU CLIENT

FERME A 13HR00 LE VENDREDI

DIKE CAT WALK

LN#01 38642 CORNIÈRE ACIER L.à.C 1 1/2 X 1 1/2 X 3/16 44W QTÉ COMM
#PIÉC L-2478 X 20' 1 EA 36 LB
QTÉ expédiée.....
ÉTO 9061831 COUL 52077556 1 EA 36 LB PAYS CANADA ✓

LN#02 15889 PROFILÉ EN U 10 X 15.3 50W QTÉ COMM
#PIÉC L-2479 X 40' 7 EA 4284 LB
QTÉ expédiée.....
ÉTO 9063112 COUL 613252 7 EA 4284 LB PAYS POLOGNE ✓



Les certificats d'analyse (MTR) seront automatiquement envoyés par email

PAGE: 1

TOTALS PALETTES

8 EA

4320 LB

STEEL, STAINLESS STEEL, ALUMINUM, BRASS,
COPPER, NICKEL AND SPECIALTY STEEL.

ACIER, ACIER INOXYDABLE, ALUMINIUM, LAITON,
CUIVRE, NICKEL ET ACIER SPÉCIALISÉ

The above listed products, in a natural state, do not pose inhalation, ingestion or contact hazards.

Prolonged overexposure to dust or fumes during welding, burning, grinding or machining may result in respiratory irritation, skin irritation or disease. USE ADEQUATE VENTILATION AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

For Brass and Copper Alloy, contact with acids may liberate flammable and explosive hydrogen gas. If heated, copper oxide, zinc oxide, nickel oxide, tin oxide, cadmium oxide and/or lead fumes may be evolved. Aluminum products may also pose hazards during handling or transportation.

NOTE: MUST BE REQUIRED FOR HANDLING AND TRANSPORTATION.
et constamment strapping may result in the strapping rebounding and injuring those nearby. EXERCISE

For overexposure to metal fumes, remove to fresh air. For skin contact, wash thoroughly with soap and water. Obtain medical attention if symptoms persist.

SEE MATERIAL SAFETY DATA SHEETS FOR MORE DETAILED INFORMATION.

BUYER'S ORDER IS FILLED IN ACCORDANCE WITH THE ABOVE TERMS AND CONDITIONS OF SALE AND THOSE ON THE REVERSE HEREOF, ALL OF WHICH TERMS AND CONDITIONS SUPERSEDE THE TERMS AND CONDITIONS SET FORTH ABOVE AND ON THE REVERSE HEREOF. COMMANDER DE L'ACHETEUR EST EXÉCUTÉE EN CONFORMITÉ DES CONDITIONS DE VENTE STIPULÉES CI-DESSUS ET AU VERSO DES PRÉSENTES. TOUTES CES CONDITIONS REMPLAÇANT CELLES (LE CAS ÉCHÉANT) ÉNONCÉES AU BORD DE LA COMMANDE DE L'ACHETEUR. DÉPÔT LA LIVRAISON DE TOUT OU PARTIE DES MARCHANDISES DÉCRITES CI-DESSUS (CI-APRÈS APPELÉES LES "MARCHANDISES") OU EN LES PAYANT INTÉGRALEMENT OU PARTIELLEMENT, L'ACHETEUR ACCEPTE TOUTES LES CONDITIONS STIPULÉES CI-DESSUS ET AU VERSO DES PRÉSENTES.

OFFICE/ADMINISTRATIVE

SHIPPING/EXPEDITION

DRIVER/CHAUFFEUR

CUSTOMER/CLIENT

RL-1.0

6/01/17 8:05:46

EMAIL PAGE COUVERTURE

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Société: Acier Leroux - Amos

6/01/17 8:05:46

Document Sommaire

Page couverture 1

Objet: MILL TEST CERTIFICATE

NO.COMMANDE :89340478

No.Bc Du Client :PLA06076

City : LA SARRE

State/Province . QC

Séquence correspondant au(x) MTR imprimé(s):

Ln#	Description item:	Coulée	MTR
1	1 1/2 X 1 1/2 X 3/16 CORN. LAC 44W	52077556	094129587

2	10 X 15.3 PROFILÉ EN U 50W	613252	094124694



GERDAU

CA-ML-CAMBRIDGE
160 ORION PLACE
CAMBRIDGE, ON N1T 1R9
Canada

CERTIFIED MATERIAL TEST REPORT

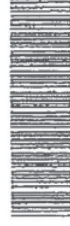
Page 1/1

CUSTOMER PURCHASE ORDER NUMBER 94037961	CUSTOMER SHIP TO LEROUX STEEL 1331 RUE GRAHAM BELL BOUCHERVILLE, QC J4B 6A1 Canada	CUSTOMER BILL TO LEROUX STEEL 1331 RUE GRAHAM BELL BOUCHERVILLE, QC J4B 6A1 Canada	GRADE GGMULTI	SHAPE / SIZE Angle / 1 1/2X1 1/2X3/16	DOCUMENT 0000033196
	SALES ORDER 4585552/000060		LENGTH 20'00"	WEIGHT 25,740 LB	HEAT / BATCH 52077556/02
		CUSTOMER MATERIAL N°	SPECIFICATION / DATE OF REVISION ASTM A529-14, A572-15 ASTM A6-14, A36-14, ASME SA-36 ASTM A709-15, AASHTO M270-12 CSA G40.20-13/G40.21-13		
	BILL OF LADING 1301-0000028506	DATE 03/07/2017			

CHEMICAL COMPOSITION		P	S	Si	Qu	Ni	C	Mn	V	Nb
C	0.15	0.020	0.018	0.17	0.25	0.11	0.15	0.031	0.012	0.001
MECHANICAL PROPERTIES		G/L inch	UTS MPa	UTS psi	Yield MPa	Yield psi	Elong.	Reduct.	Charpy	Impact
UTS	74339	8.000	74339	513	53274	367	25.00			
Yield	74556	8.000	74556	514	53590	370	25.00			

COMMENTS / NOTES

This grade meets the requirements for the following grades:
ASTM Grades: A36; A529-50; A572-50; A709-36; A709-50
CSA Grades: 44W; 50W
AASHTO Grades: M270-36; M270-50
ASME Grades: SA36



094129587

The above figures are certified chemical and physical test records as contained in the permanent records of company. We certify that these data are correct and in compliance with specified requirements. This material, including the billets, was melted and manufactured in Canada. CMTR complies with EN 10204 3.1.

Manon
BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Leonardo Nunes
LEONARDO NUNES
QUALITY ASSURANCE MGR.

Phone: (409) 769-1014 Email: Blmskur.Yalamanchili@gerdau.com

Phone: (905) 668-8811 EXT 4055 Email: Leonardo.Nunes@gerdau.com



DIVISION OF RUSSEL METALS INC.
DIVISION de MÉTAUX RUSSEL INC.



0E94853576-21170

COMBINATION SHORT FORM OF STRAIGHT BILL OF LADING - EXPRESS SHIPPING CONTRACT,
SUBJECT TO ALL TERMS, CONDITIONS AND LIMITATIONS INCORPORATED BY REFERENCE AS SHOWN ON THE BACK OF THIS BILL.
FORMULAIRE COMBINÉ DE CONNAISSANCE DIRECT - ET DE CONTRAT D'EXPÉDITION PAR
MESSAGERIE ASSUJÉTI À TOUTES LES MODALITÉS, CONDITIONS ET LIMITATIONS QUI Y SONT INTÉGRÉES PAR RENVOI, AINSI
QU'IL EST INDiqué AU VERSO DU PRÉSENT CONNAISSANCE.

ACIER LÉROUX

1675 ROUTE DE L'AÉROPORT

C.P. 550 AMOS QC J9T3

TEL#: (819) 732-8381

PROMISE.....: 05/31/17

REPRESENTANT J LALANCETTE

EXPÉDIÉ: 00 VENDU: 8910165 05/29/17
NORMEX METAL NORMEX METAL
9088-6615 QUEBEC INC. 9088-6615 QUEBEC INC.
11 BOUL. INDUSTRIEL P.O. BOX 565
ROUTE 111 EST EARLTON ON P0J 1E0
LA SARRE QC J9Z 2X2

FREIGHT TERMS
MODALITÉS DE TRANSPORT
PORT PAYÉ
CARRIER
TRANSPORTEUR RT# 006
NOTRE CAMION
CUSTOMER PHONE #
TÉLÉPHONE À LA CLIENTÈLE #
(819) 333-1200

#BCC PLA06076

RELACHE#

INSTRUCTIONS CLIENT:

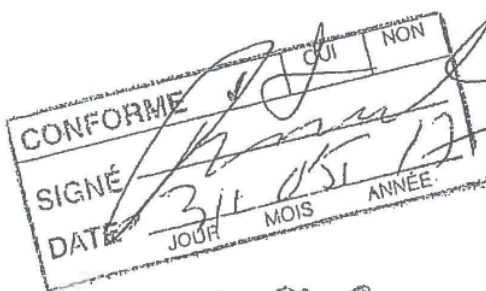
ECRIRE # DE COULEE SUR LA COPIE ROSE DU CLIENT

FERME A 13HR00 LE VENDREDI

VEHICLE IDENT
IDENTIFICATION DU VEHICULE

NIR:R-527158-1

LN#03 32222 CORNIÈRE ACIER L.à.C 2 1/2 X 2 1/2 X 1/4 44W QTÉ COMM
#PIÉC X 20' 43 EA 3526 LB
QTÉ expédiée.....
ÉTO 1411627 COUL 52076443 10 EA 820 LB PAYS CANADA
ÉTO 1413890 COUL 52077202 33 EA 2706 LB PAYS CANADA
QTÉ Totale Expéd.: 43 EA 3526 LB



Acier Leroux Amos
DIVISION DE MÉTAUX RUSSEL INC.
SUJET À INSPECTION QUANT À LA QUANTITÉ ET LA QUALITÉ

Reçu le: 30 MAI 2017 Par:

Inspecté le: Par:

Les certificats d'analyse (MTR) seront automatiquement envoyés par email

PAGE: 1

TOTALS PALETTES

43 EA

3526 LB

STEEL, STAINLESS STEEL, ALUMINUM, BRASS,
COPPER, NICKEL AND SPECIALTY STEEL.

The above listed products, in a natural state, do not pose inhalation, ingestion or contact hazards.

Prolonged overexposure to dust or fumes during welding, burning, grinding or machining may result in respiratory irritation, skin irritation or disease. USE ADEQUATE VENTILATION AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

For Brass and Copper Alloys, contact with acids may liberate flammable and explosive hydrogen gas. If heated, copper acids, zinc acids, nickel acids, tin acids, cadmium acids and/or lead fumes may be evolved. Aluminum products may slip during handling or transportation.

DUCTS MUST BE SECURED FOR HANDLING AND TRANSPORTATION. If containment strapping may result in the strapping rebounding and injuring those nearby. EXERCISE

For overexposure to metal fumes, remove to fresh air. For skin contact, wash thoroughly with soap and water. Obtain medical attention if symptoms persist.

SEE MATERIAL SAFETY DATA SHEETS FOR MORE DETAILED INFORMATION.

BUYER'S ORDER IS FILLED IN ACCORDANCE WITH THE ABOVE TERMS AND CONDITIONS OF SALE AND THOSE ON THE REVERSE HEREOF. ALL OF WHICH TERMS AND CONDITIONS SUPERSEDE THE TERMS AND CONDITIONS (IF ANY) OF PURCHASER'S ORDER. BY ACCEPT-
LIVERY OF ALL OR PART OF THE ABOVE-DESCRIBED GOODS (HEREINAFTER CALLED THE "GOODS") OR BY PAYING FOR SAME IN WHOLE OR IN PART PURCHASER AGREES TO ALL THE TERMS AND CONDITIONS SET FORTH ABOVE AND ON THE REVERSE HEREOF.
COMMANDE DE L'ACHETEUR EST EXÉCUTÉE EN CONFORMITÉ DES CONDITIONS DE VENTE STIPULÉES CI-DESSUS ET AU VERSO DES PRÉSENTES. TOUTES CES CONDITIONS REMPLAÇANT CELLES (LE CAS ÉCHÉANT) ÉNONCÉES AU BORD DE COMMANDE DE L'ACHETEUR
CEPTANT LA LIVRAISON DE TOUT OU PARTIE DES MARCHANDISES DÉCRITES CI-DESSUS (CI-APRÈS APPELÉES LES "MARCHANDISES") OU EN LES PAYANT INTÉGRALEMENT OU PARTIELLEMENT, L'ACHETEUR ACCEPTE TOUTES LES CONDITIONS STIPULÉES CI-DESSUS ET
150 DES PRÉSENTES.

OFFICE/ADMINISTRATIVE

SHIPPING/EXPEDITION

DRIVER/CHAUFFEUR

CUSTOMER/CLIENT

RLB1.04

5/29/17 10:30:07

EMAIL PAGE COUVERTURE

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Société:

5/29/17 10:30:07

Document Sommaire

Page couverture 1

Objet: MILL TEST CERTIFICATE

NO.COMMANDE :94853576

No.Bc Du Client :PLA06076

City : LA SARRE State/Province . QC

Séquence correspondant au(x) MTR imprimé(s):

Ln#	Description item:	Coulée	MTR
3	2 1/2 X 2 1/2 X 1/4 CORN. LÂC 44W	52076443	094128168

3	2 1/2 X 2 1/2 X 1/4 CORN. LÂC 44W	52077202	094128768



GERDAU

CA-ML-WHITBY
GERDAU CT
WHITBY, ON L1N 5T1
Canada

CERTIFIED MATERIAL TEST REPORT

Page 1/1

CUSTOMER SHIP TO LEROUX STEEL 1331 RUE GRAHAM BELL BOUCHERVILLE, QC J4B 6A1 Canada	CUSTOMER BILL TO LEROUX STEEL 1331 RUE GRAHAM BELL BOUCHERVILLE, QC J4B 6A1 Canada	GRADE OGMUL-T1	SHAPE / SIZE Angle / 2 1/2X2 1/2X1 1/4	DOCUMENT ID: 0000030663
SALES ORDER 4467119/000190	CUSTOMER MATERIAL N°	LENGTH 20'00"	WEIGHT 69,126 LB	HEAT / BATCH 52076443/03
CUSTOMER PURCHASE ORDER NUMBER 94037796-FEM/Q1	BILL OF LADING 1302-0000055096	SPECIFICATION / DATE OF REVISION ASTM A529-14, A572-15 ASTM A6-14, A36-14, ASME SA-36 ASTM A709-15, AASHTO M270-12 CSA G40.20-13/G40.21-13		
DATE 01/31/2017				

CHEMICAL COMPOSITION									
C	P	S	Si	Mn	Cu	Ni	Cr	V	Nb
0.14	0.015	0.034	0.20	0.70	0.28	0.10	0.14	0.015	0.001
MECHANICAL PROPERTIES									
Elong.	G/L	UTS	UTS	YS					
29.40	Inch	71765	72203	MPa					
29.40	8.000			367					
				366					

COMMENTS / NOTES

This grade meets the requirements for the following grades:
ASTM Grades A36; A529-50; A572-50; A709-36; A709-50
CSA Grades 44W; 50W
AASHTO Grades M270-36; M270-50
ASME Grades SA36



094128168

The above figures are certified chemical and physical test records as contained in the permanent records of company. We certify that these data are correct and in compliance with specified requirements. This material, including the billets, was melted and manufactured in Canada. CMTR complies with EN 10204 3.1.

Manick
BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Phone: (409) 769-1014 Email: Bhaskar.Yalamanchili@gerdau.com

Leonardo Nunes
LEONARDO NUNES
QUALITY ASSURANCE MGR.

Phone: (905) 668-8811 EXT 4055 Email: Leonardo.Nunes@gerdau.com



GERDAU

CA-ML-WHITBY
1 GERDAU CT
WHITBY, ON L1N 5T1
Canada

CERTIFIED MATERIAL TEST REPORT

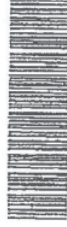
Page 1/1

CUSTOMER SHIP TO LEROUX STEEL 1331 RUE GRAHAM BELL BOUCHERVILLE, QC J4B 6A1 Canada		CUSTOMER BILL TO LEROUX STEEL 1331 RUE GRAHAM BELL BOUCHERVILLE, QC J4B 6A1 Canada		GRADE GCMULTI	SHAPE / SIZE Angle / 2 1/2X2 1/2X1/4	DOCUMENT ID: 0000031506
SALES ORDER 4585552/000160		CUSTOMER MATERIAL N°		LENGTH 20'00"	WEIGHT 37.884 LB	HEAT / BATCH 52077202/02
CUSTOMER PURCHASE ORDER NUMBER 94037961		BILL OF LADING 1302-0000055639		SPECIFICATION / DATE OF REVISION ASTM A529-14, A572-15 ASTM A6-14, A36-14, ASME SA-36 ASTM A709-15, AASHTO M270-12 CSA G40.20-13/G40.21-13		
DATE 02/13/2017						

CHEMICAL COMPOSITION									
C %	P %	Mn %	S %	Si %	Cr %	Ni %	V %	Nb %	
0.13	0.018	0.84	0.029	0.19	0.31	0.12	0.016	0.001	
MECHANICAL PROPERTIES									
Elong.			UTS			YS			
29.40			72857			MPa			
28.80			72833			PSI			
						395			
						57583			

COMMENTS / NOTES

This grade meets the requirements for the following grades:
ASTM Grades: A36; A529-50; A572-50; A709-36; A709-50
CSA Grades: 44W; 50W
AASHTO Grades: M270-36; M270-50
ASME Grades: SA36



094128768

The above figures are certified chemical and physical test records as contained in the permanent records of company. We certify that these data are correct and in compliance with specified requirements. This material, including the billets, was melted and manufactured in Canada. CMTR complies with EN 10204 3.1.

Manoj
BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Phone: (409) 769-1014 Email: Bhaskar.Yalamanchili@gerdau.com

Lionardo Nunes
LIONARDO NUNES
QUALITY ASSURANCE MGR.

Phone: (905) 668-8811 EXT 4055 Email: Leonardo.Nunes@gerdau.com



EROUX
DIVISION OF RUSSELL METALS INC.
LE DIVISION DE MÉTAUX RUSSELL INC.



DE89340988-57208

COMBINATION SHORT FORM OF STRAIGHT BILL OF LADING - EXPRESS SHIPPING CONTRACT,
SUBJECT TO ALL TERMS, CONDITIONS AND LIMITATIONS INCORPORATED BY REFERENCE AS SHOWN ON THE BACK OF THIS BILL.
FORMULAIRE COMBINÉ DE CONNAISSANCE DIRECT - ET DE CONTRAT D'EXPÉDITION PAR
MESSAGERIE ASSUJÉTI À TOUTES LES MODALITÉS, CONDITIONS ET LIMITATIONS QUI Y SONT INTÉGRÉES PAR RENVOI, AINSI
QU'IL EST INDIQUÉ AU VERSO DU PRÉSENT CONNAISSANCE.

ACIER LEROUX

1675 ROUTE DE L'AÉROPORT

C.P. 550 AMOS QC J9T3

TEL#: (819) 732-8381

PROMISE.....: 06/14/17

REPRESENTANT Yvan Bégin

EXPÉDIÉ: 00

NORMEX METAL

9088-6615 QUEBEC INC.

11 BOUL. INDUSTRIEL

ROUTE 111 EST

LA SARRE QC J9Z 2X2

VENDU: 8910165

06/06/17

NORMEX METAL

9088-6615 QUEBEC INC.

P.O. BOX 565

EARLTON ON P0J 1E0

FREIGHT TERMS

MODALITÉS DE TRANSPORT

PORT PAYÉ

CARRIER

TRANSPORTEUR RT# 006

NOTRE CAMION

CUSTOMER PHONE #

TELEPHONE À LA CLIENTÈLE #

(819) 333-1200

#BCC PLA06104

RELACHE#

INSTRUCTIONS CLIENT:

ECRIRE # DE COULEE SUR LA COPIE ROSE DU CLIENT

FERME A 13HR00 LE VENDREDI

COMMENT.:

LIVRAISON 14 JUIN 17

VEHICLE IDENT.

IDENTIFICATION DU VEHICULE

NIR:R-527158-1

LN#03 04188 GRIP SPAN ANCHOR AVEC VIS AUTO-PERC

#PIÉC

L-2507

X

1.0000

10 EA

1 LB

QTÉ expédiée.....

ÉTQ 9063939 COUL LETTRE CONFORME

10 EA

1

LB PAYS CANADA

QTÉ COMM

LN#04 04188 GRIP SPAN CLIPS (S-CLIP)

#PIÉC

L-2508

X

1.0000

20 EA

2 LB

QTÉ expédiée.....

ÉTQ 9063940 COUL LETTRE CONFORME

20 EA

2

LB PAYS CANADA

QTÉ COMM



Les certificats d'analyse (MTR) seront automatiquement envoyés par email

PAGE: 1

TOTALS PALETTES

30 EA

3 LB

STEEL, STAINLESS STEEL, ALUMINIUM, BRASS,
COPPER, NICKEL AND SPECIALTY STEEL

The above listed products, in a natural state, do not pose inhalation, ingestion or contact hazards.

Prolonged overexposure to dust or fumes during welding, burning, grinding or machining may result in respiratory irritation, skin irritation or disease. USE ADEQUATE VENTILATION AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

For Brass and Copper Alloys, contact with acids may liberate flammable and explosive hydrogen gas. If heated, copper oxide, zinc oxide, nickel oxide, tin oxide, cadmium oxide and/or lead fumes may be evolved. Aluminum products may also undergo oxidation or transportation.

PRODUCTS MUST BE SECURED FOR HANDLING AND TRANSPORTATION. Steel containing strapping may result in the strapping rebounding and injuring those nearby. EXERCISE CAUTION.

Exposure to metal fumes, remove to fresh air. For skin contact, wash thoroughly with soap and water. Obtain medical attention if symptoms persist.

SEE MATERIAL SAFETY DATA SHEETS FOR MORE DETAILED INFORMATION.

PURCHASER'S ORDER IS FILLED IN ACCORDANCE WITH THE ABOVE TERMS AND CONDITIONS OF SALE AND THOSE ON THE REVERSE HEREOF. ALL OF WHICH TERMS AND CONDITIONS SUPERSEDE THE TERMS AND CONDITIONS SET FORTH ABOVE AND ON THE REVERSE HEREOF.

LA COMMANDE DE L'ACHETEUR EST EXÉCUTÉE EN CONFORMITÉ DES CONDITIONS DE VENTE STIPULÉES CI-DESSUS ET AU VERSO DES PRÉSENTES. TOUTES CES CONDITIONS REMPLAÇANT CELLES (LE CAS ÉCHÉANT) ÉNONCÉES AU BORD DE LA COMMANDE DE L'ACHETEUR ET AU VERSO DES PRÉSENTES.

OFFICE/ADMINISTRATIVE

SHIPPING/EXPEDITION

DRIVER/CHAUFFEUR

CUSTOMER/CLIENT

RL9-L

6/06/17 14:48:33

EMAIL COVER PAGE

=====

Company:

6/06/17 14:48:33

Document Summary:

Cover Page: 1

Subject: MILL TEST CERTIFICATE

Order Number :89340988

Customer PO# :PLA06104

City : LA SARRE

State/Province : QC

The order of the printed MTRs is as follows:

PO Ln# Item Description:

Heat

MTR

3 INDUSTRIAL FASTENERS

LETTRE CONFORME 089022989



ACCURATE
SCREEN + GRATING
Products with holes, backed with solid service

10905-48 Street S.E, Unit #147, Calgary, AB T2C 1G8

To whom it may concern,

Accurate Screen and Grating certifies all bar grating materials conform to applicable NAAM specifications MBG 531-00 and that all expanded metal conforms to the expanded metal manual EMMA 557-99.

Compliance specification

<u>Expanded Metal</u>	<u>Specification</u>
Carbon Steel	ASTM A366 (alloy C1008)
Aluminum	3003 H-14 aluminum

Channel Grating Diamond and Round Hole

Galvanized	ASTM A36 G90 coating
Aluminum	5052 H-32 aluminum

Ladder Rungs

Galv	ASTM A36 G90 Coating
Aluminum	5052 H-32 aluminum

Bar Grating

Bare and Painted	ASTM A36
Galv	ASTM A36 G90 coating
Aluminum	6063-T6

Materials Manager

Todd Bigelow



089022989

6/06/17 14:48:34

EMAIL COVER PAGE

=====

Company:

6/06/17 14:48:34

Document Summary:

Cover Page: 1

Subject: MILL TEST CERTIFICATE

Order Number :89340988

Customer PO# :PLA06104

City : LA SARRE

State/Province : QC

The order of the printed MTRs is as follows:

PO Ln#	Item Description:	Heat	MTR
4	INDUSTRIAL FASTENERS		LETTRE CONFORME 089022989



ACCURATE
SCREEN + GRATING
Products with holes, backed with solid service

10905-48 Street S.E, Unit #147, Calgary, AB T2C 1G8

To whom it may concern,

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Compliance specification

<u>Expanded Metal</u>	<u>Specification</u>
Carbon Steel	ASTM A366 (alloy C1008)
Aluminum	3003 H-14 aluminum

Channel Grating Diamond and Round Hole

Galvanized	ASTM A36 G90 coating
Aluminum	5052 H-32 aluminum

Ladder Rungs

Galv	ASTM A36 G90 Coating
Aluminum	5052 H-32 aluminum

Bar Grating

Bare and Painted	ASTM A36
Galv	ASTM A36 G90 coating
Aluminum	6063-T6

Materials Manager

Todd Bigelow



089022989



COMBINATION SHORT FORM OF STRAIGHT BILL OF LADING - EXPRESS SHIPPING CONTRACT,
SUBJECT TO ALL TERMS, CONDITIONS AND LIMITATIONS INCORPORATED BY REFERENCE AS SHOWN ON THE BACK OF THIS BILL.
FORMULAIRE COMBINÉ DE CONNAISSANCEMENT DIRECT - ET DE CONTRAT D'EXPÉDITION PAR
MESSAGERIE ASSUJETTI À TOUTES LES MODALITÉS, CONDITIONS ET LIMITATIONS QUI Y SONT INTÉGRÉES PAR RENVOI, AINSI
QU'IL EST INDiqué AU VERSO DU PRÉSENT CONNAISSANCEMENT.

ACIER LEROUX
1675 ROUTE DE L'AÉROPORT
C.P. 550 AMOS QC J9T3

TEL#: (819) 732-8381

PROMISE.....: 06/07/17
REPRESENTANT Yvan Bégin

EXPÉDIÉ: 00
NORMEX METAL
9088-6615 QUEBEC INC.
11 BOUL. INDUSTRIEL
ROUTE 111 EST
LA SARRE QC J9Z 2X2

VENDU: 8910165 06/06/17
NORMEX METAL
9088-6615 QUEBEC INC.
P.O. BOX 565
EARLTON ON P0J 1E0

FREIGHT TERMS
MODALITÉS DE TRANSPORT
PORT PAYÉ
CARRIER
TRANSPORTEUR# 006
NOTRE CAMION
CUSTOMER PHONE #
TELEPHONE À LA CLIENTÈLE #
(819) 333-1200

#BCC P0055281

RELACHE#

INSTRUCTIONS CLIENT:

ECRIRE # DE COULEE SUR LA COPIE ROSE DU CLIENT

FERME A 13HR00 LE VENDREDI

COMMENT.:

LIVRAISON 7 JUIN 17

VEHICLE IDENT
IDENTIFICATION DU VEHICULE

NIR:R-527158-1

PRIMEE

LN#03 04188 GRIP SPAN ANCHOR AVEC VIS AUTO-PERC QTE COMM
#PIEC L-2505 X .0394 188 EA 1.9 LB
QTE expédiée.....
ETQ 9063941 COUL LETTRE CONFORME 188 EA 19 LB PAYS CANADA
Commentaire GRIP SPAN ANCHORS AVEC VIS AUTO-
PERCANT 1/4" STAINLESS AVEC WASHER
& RUBBER GASKET.

LN#06 04188 GRIP SPAN CLIPS ASS'Y (S-CLIP) QTE COMM
#PIEC L-2506 X .0394 492 EA 49 LB
QTE expédiée.....
ETQ 9063942 COUL LETTRE CONFORME 492 EA 49 LB PAYS CANADA
Commentaire GRIP SPAN CLIP ASSEMBLIES "S-CLIP"
AVEC 5/16" HEX.HEAD BOLT & ANCHOR

CONFORME	OUI	NON
SIGNÉ	<i>[Signature]</i>	
DATE	07/06/17	
	JOUR	MOIS ANNÉE

Les certificats d'analyse (MTR) seront automatiquement envoyés par email

PAGE: 1

TOTALS PALETTES

680 EA

68 LB

STEEL, STAINLESS STEEL, ALUMINUM, BRASS,
COPPER, NICKEL AND SPECIALTY STEEL

The above listed products, in a natural state, do not pose inhalation, ingestion or contact hazards.

Prolonged overexposure to dust or fumes during welding, burning, grinding or machining may result in respiratory irritation, skin irritation or disease. USE ADEQUATE VENTILATION AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

For Brass and Copper Alloys, contact with acids may liberate flammable and explosive hydrogen gas. If heated, copper oxide, zinc oxide, nickel oxide, tin oxide, cadmium oxide and/or lead fumes may be evolved. Aluminum fumes may also be evolved during handling or transportation.

PRODUCTS MUST BE SECURED FOR HANDLING AND TRANSPORTATION. If not contained properly, they may result in the shipping rebounding and injuring those nearby. EXERCISE CAUTION.

For overexposure to metal fumes, remove to fresh air. For skin contact, wash thoroughly with soap and water. Obtain medical attention if symptoms persist.

SEE MATERIAL SAFETY DATA SHEETS FOR MORE DETAILED INFORMATION.

IF PURCHASERS ORDER IS FILED IN ACCORDANCE WITH THE ABOVE TERMS AND CONDITIONS OF SALE AND THOSE ON THE REVERSE HEREOF, ALL OF WHICH TERMS AND CONDITIONS SUPERSEDE THE TERMS AND CONDITIONS OF ANY OF PURCHASERS ORDER, BY ACCEPTING DELIVERY OF ALL OR PART OF THE ABOVE DESCRIBED GOODS (HEREINAFTER CALLED THE "GOODS") OR BY PAYING FOR SAME IN WHOLE OR IN PART PURCHASER AGREES TO ALL THE TERMS AND CONDITIONS SET FORTH ABOVE AND ON THE REVERSE HEREOF.

LA COMMANDE DE L'ACHETEUR EST EXÉCUTÉE EN CONFORMITÉ DES CONDITIONS DE VENTE STIPULÉES CI-DESSUS ET AU VERSO DES PRÉSENTES. TOUTES CES CONDITIONS REMPLACENT CELLES (LE CAS ÉCHÉANT) ÉNONCÉES AU BORD DE LA COMMANDE DE L'ACHETEUR ACCEPTANT LA LIVRAISON DE TOUT OU PARTIE DES MARCHANDISES DÉCRITES CI-DESSUS (CI-APRÈS APPELÉES LES "MARCHANDISES") OU EN LES PAYANT INTÉGRALEMENT OU PARTIELLEMENT, L'ACHETEUR ACCEPTE TOUTES LES CONDITIONS STIPULÉES CI-DESSUS ET AU VERSO DES PRÉSENTES.



ACIER, ACIER INOXYDABLE, ALUMINIUM, LAITON,
CUIVRE, NICKEL ET ACIER SPÉCIALISÉ

Les produits mentionnés ci-dessus, à l'état brut, ne causent aucun danger au contact, en cas d'inhalation ou d'ingestion.

Une exposition aux poussières ou aux émanations durant la soudure, le coupe ou chalumeau, le trépanage ou l'usinage pourrait résulter en une irritation des voies respiratoires ou de la peau ou autres maladies. UNE VENTILATION ADEQUATE EST DE MISE AINSI QU'UN ÉQUIPEMENT PROTECTEUR APPROPRIÉ.

Pour ce qui est des alliages de cuivre et de laiton, un contact avec certains acides pourrait dégager des gaz hydrogène explosifs et inflammables. Si chauffé, de l'oxyde de cuivre, de zinc, de nickel, d'étain, de cadmium et/ou des vapeurs de plomb pourraient s'échapper. Les produits d'aluminium peuvent glisser lors de leur manipulation ou transport.

TOUTS LES PRODUITS DOIVENT ÊTRE ATTACHÉS SÉRIEUSEMENT LORS DU TRANSPORT ET DE LA MANIPULATION.

Long de la coupe, les courroies d'acier peuvent rebondir et causer des blessures. MANIPULEZ AVEC PRÉCAUTION.

En cas d'une exposition aux émanations, retirez-vous et respirez de l'air frais. Si y a contact avec la peau lavez la région affectée avec du savon et de l'eau. Si les symptômes persistent consultez votre médecin.

POUR PLUS D'INFORMATION, CONSULTEZ LA FEUILLE DE DONNÉES DE SÉCURITÉ.

DATE

SIGNED
SIGNÉ

[Signature]

OFFICE/ADMINISTRATIVE

SHIPPING/EXPEDITION

DRIVER/CHAUFFEUR

CUSTOMER/CLIENT

1994.1

6/06/17 14:56:45

EMAIL COVER PAGE

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Company:

6/06/17 14:56:45

Document Summary:

Cover Page: 1

Subject: MILL TEST CERTIFICATE

Order Number :89340822

Customer PO# :P0055281

City : LA SARRE

State/Province : QC

The order of the printed MTRs is as follows:

PO Ln# Item Description:

Heat

MTR

3 INDUSTRIAL FASTENERS

LETTRE CONFORME 089022989



ACCURATE
SCREEN + GRATING
Products with holes, backed with solid service

10905-48 Street S.E, Unit #147, Calgary, AB T2C 1G8

To whom it may concern,

Accurate Screen and Grating certifies all bar grating materials conform to applicable NAAM specifications MBG 531-00 and that all expanded metal conforms to the expanded metal manual EMMA 557-99.

Compliance specification

<u>Expanded Metal</u>	<u>Specification</u>
Carbon Steel	ASTM A366 (alloy C1008)
Aluminum	3003 H-14 aluminum

Channel Grating Diamond and Round Hole

Galvanized	ASTM A36 G90 coating
Aluminum	5052 H-32 aluminum

Ladder Rungs

Galv	ASTM A36 G90 Coating
Aluminum	5052 H-32 aluminum

Bar Grating

Bare and Painted	ASTM A36
Galv	ASTM A36 G90 coating
Aluminum	6063-T6

Materials Manager

Todd Bigelow



089022989

6/06/17 14:56:45

EMAIL COVER PAGE

=====

Company:

6/06/17 14:56:45

Document Summary:

Cover Page: 1

Subject: MILL TEST CERTIFICATE

Order Number :89340822

Customer PO# :P0055281

City : LA SARRE

State/Province : QC

The order of the printed MTRs is as follows:

PO Ln# Item Description:

Heat

MTR

6 INDUSTRIAL FASTENERS

LETTRE CONFORME 089022989



ACCURATE
SCREEN + GRATING
Products with holes, backed with solid service

10905-48 Street S.E, Unit #147, Calgary, AB T2C 1G8

To whom it may concern,

Accurate Screen and Grating certifies all bar grating materials conform to applicable NAAM specifications MBG 531-00 and that all expanded metal conforms to the expanded metal manual EMMA 557-99.

Compliance specification

<u>Expanded Metal</u>	<u>Specification</u>
Carbon Steel	ASTM A366 (alloy C1008)
Aluminum	3003 H-14 aluminum
<u>Channel Grating Diamond and Round Hole</u>	
Galvanized	ASTM A36 G90 coating
Aluminum	5052 H-32 aluminum
<u>Ladder Rungs</u>	
Galv	ASTM A36 G90 Coating
Aluminum	5052 H-32 aluminum
<u>Bar Grating</u>	
Bare and Painted	ASTM A36
Galv	ASTM A36 G90 coating
Aluminum	6063-T6

Materials Manager

Todd Bigelow



089022989



EROUX
DIVISION OF RUSSEL METALS INC.
DIVISION de MÉTAUX RUSSEL INC.



0E89340354-57185

COMBINATION SHORT FORM OF STRAIGHT BILL OF LADING - EXPRESS SHIPPING CONTRACT,
SUBJECT TO ALL TERMS, CONDITIONS AND LIMITATIONS INCORPORATED BY REFERENCE AS SHOWN ON THE BACK OF THIS BILL.
FORMULAIRE COMBINÉ DE CONNAISSANCEMENT DIRECT - ET DE CONTRAT D'EXPÉDITION PAR
MESSAGERIE ASSUJETTI À TOUTES LES MODALITÉS, CONDICTIONS ET LIMITATIONS QUI Y SONT INTÉGRÉES PAR RENVOI, AINSI
QU'IL EST INDiqué AU VERSO DU PRÉSENT CONNAISSANCEMENT.

ACIER LEROUX
1675 ROUTE DE L'AÉROPORT
C.P. 550 AMOS QC J9T3

TEL#: (819) 732-8381

PROMISE.....: 06/02/17
REPRESENTANT Yvan Bégin

EXPÉDIÉ: 00
NORMEX METAL
9088-6615 QUEBEC INC.
11 BOUL. INDUSTRIEL
ROUTE 111 EST
LA SARRE QC J9Z 2X2

VENDU: 8910165 06/06/17
NORMEX METAL
9088-6615 QUEBEC INC.
P.O. BOX 565
EARLTON ON P0J 1E0

FREIGHT TERMS
MODALITÉS DE TRANSPORT
PORT PAYÉ
CARRIER
TRANSPORTEUR RT# 006
NOTRE CAMION
CUSTOMER PHONE #
TELEPHONE À LA CLIENTÈLE #
(819) 333-1200

#BCC P0055281 RELACHE#

INSTRUCTIONS CLIENT:

ECRIRE # DE COULEE SUR LA COPIE ROSE DU CLIENT

FERME A 13HR00 LE VENDREDI

COMMENT:

LIVRAISON PARTIELLE: 2 JUIN 17
LIVRAISON FINALE: 7 JUIN 17

VEHICLE IDENTIFICATION DU VEHICULE

NIR: R-527158-1

LN#01 54306 GRILLE 9 1/2 X1 1/2 XCALIBRE12 SECURITE MOTIF DIAMANT GALV QTE COMM
#PIEC L-2503 OK X 12' 41 EA 2460 LB
QTE expédiée.....
ÉTO 9063943 COUL LETTRE CONFORME 41 EA 2460 LB PAYS CANADA

LN#02 54328 GRILLE 11 3/4 X1 1/2 XCALIBRE12 SECURITE MOTIF DIAMANT GALV QTE COMM
#PIEC L-2504 OK X 12' 50 EA 3540 LB
QTE expédiée.....
ÉTO 9063884 COUL LETTRE CONFORME 50 EA 3540 LB PAYS CANADA

CONFORME	OUI	NON
SIGNÉ		
DATE		
JOUR	MOIS	ANNÉE

Les certificats d'analyse (MTR) seront automatiquement envoyés par email

PAGE: 1

TOTALS PALETTES

91 EA

6000 LB

STEEL, STAINLESS STEEL, ALUMINUM, BRASS,
COPPER, NICKEL AND SPECIALTY STEEL

The above listed products, in a natural state, do not pose inhalation, ingestion or contact hazards.

Prolonged exposure to dust or fumes during welding, burning, grinding or machining may result in respiratory irritation, skin irritation or disease. USE ADEQUATE VENTILATION AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

For Brass and Copper Alloys, contact with acids may liberate flammable and explosive hydrogen gas. If heated, copper oxide, zinc oxide, nickel oxide, tin oxide, cadmium oxide and/or lead fumes may be evolved. Aluminum oxide may slip during handling or transportation.

DO NOT BE EXPOSED FOR HANDLING AND TRANSPORTATION. If a containment strapping may result in the strapping rebounding and injuring those nearby. EXERCISE CAUTION.

For overexposure to metal fumes, remove to fresh air. For skin contact, wash thoroughly with soap and water. Obtain medical attention if symptoms persist.

SEE MATERIAL SAFETY DATA SHEETS FOR MORE DETAILED INFORMATION.

BUYER'S ORDER IS FILLED IN ACCORDANCE WITH THE ABOVE TERMS AND CONDITIONS OF SALE AND THOSE ON THE REVERSE HEREOF, ALL OF WHICH TERMS AND CONDITIONS SUPERSEDE THE TERMS AND CONDITIONS (IF ANY) OF PURCHASER'S ORDER, BY ACCEPTANCE OF ALL OR PART OF THE ABOVE DESCRIBED GOODS (HEREINAFTER CALLED THE "GOODS") OR BY PAYING FOR SAME IN WHOLE OR IN PART PURCHASER AGREES TO ALL THE TERMS AND CONDITIONS SET FORTH ABOVE AND ON THE REVERSE HEREOF. LA COMMANDE DE L'ACHETEUR EST EXÉCUTÉE EN CONFORMITÉ DES CONDITIONS DE VENTE STIPULÉES CI-DESSUS ET AU VERSO DES PRÉSENTES. TOUTES CES CONDITIONS REMPLAÇANT CELLES (LE CAS ÉCHÉANT) ÉNONCÉES AU BON DE COMMANDE DE L'ACHETEUR. LA COMMANDE DE L'ACHETEUR EST EXÉCUTÉE EN CONFORMITÉ DES CONDITIONS DE VENTE STIPULÉES CI-DESSUS (CI-APRÈS APPELÉES LES "MARCHANDISES") OU EN LES PAYANT INTÉGRALEMENT OU PARTIELLEMENT, L'ACHETEUR ACCEPTE TOUTES LES CONDITIONS STIPULÉES CI-DESSUS ET AU VERSO DES PRÉSENTES.

OFFICE/ADMINISTRATIVE

SHIPPING/EXPEDITION

DRIVER/CHAUFFEUR

CUSTOMER/CLIENT

10-1

6/07/17 9:22:54

EMAIL PAGE COUVERTURE

=====
Société:

6/07/17 9:22:54

Document Sommaire

Page couverture 1

Objet: MILL TEST CERTIFICATE

NO.COMMANDE :89340354

No.Bc Du Client :P0055281

City : LA SARRE State/Province . QC

Séquence correspondant au(x) MTR imprimé(s):

Ln#	Description item:	Coulée	MTR
1	9 1/2 X 1 1/2 X12CAL GR.SÉC DIA GAL LETTRE CONFORME		089022989

2	11 3/4X 1 1/2 X12CAL G.SÉC DIA GALV LETTRE CONFORME		089026958



ACCURATE
SCREEN + GRATING
Products with holes, backed with solid service

10905-48 Street S.E, Unit #147, Calgary, AB T2C 1G8

To whom it may concern,

Accurate Screen and Grating certifies all bar grating materials conform to applicable NAAM specifications MBG 531-00 and that all expanded metal conforms to the expanded metal manual EMMA 557-99.

Compliance specification

<u>Expanded Metal</u>	<u>Specification</u>
Carbon Steel	ASTM A366 (alloy C1008)
Aluminum	3003 H-14 aluminum

Channel Grating Diamond and Round Hole

Galvanized	ASTM A36 G90 coating
Aluminum	5052 H-32 aluminum

Ladder Rungs

Galv	ASTM A36 G90 Coating
Aluminum	5052 H-32 aluminum

Bar Grating

Bare and Painted	ASTM A36
Galv	ASTM A36 G90 coating
Aluminum	6063-T6

Materials Manager

Todd Bigelow



089022989



3 janvier 2017

Client : ACIER LEROUX AMOS

Bon de Commande : VALIDE POUR 2017

La présente certifie qu'AMICO DRAMEX a expédié ou expédiera un ou plusieurs produits décrits ci-dessous, et que ces derniers répondent aux normes correspondantes.

PRODUIT	PAYS D'ORIGINE	SPECIFICATIONS
Métal déployé	Canada	EMMA-557 Acier : ASTM A1011 CS-T-B / A1008 Aluminium : ASTM B209 Galvanisé à chaud : ASTM A123 Inoxydable : T-304, T-316
Caillebotis a barre soudé	États-Unis	NAAMM MGB-531 Acier : ASTM A1011/A1011M Galvanisé à chaud : ASTM A123 Inoxydable : T-304, T-316
Caillebotis "Swage Locked"	États-Unis	NAAMM MGB-531 Aluminium : ASTM B-221, 6063-T6
Profilés Diamond Grip, Safety Grip, Safety Tread Planchers et Barreaux Safety Tread	Canada	Acier : ASTM 1011 Acier Pré-galvanisé : G 90, ASTM A653 Aluminium : 5052-H32 Inoxydable : T-304, T-316

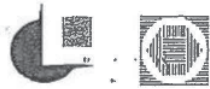


089026958

AMICO DRAMEX

62 rue Kelly, St-Jean-sur-Richelieu, Québec, Tel. 800.463.3255, Fax 450.347.0541, amico-online.com

A GIBRALTAR INDUSTRIES COMPANY



EROUX
DIVISION OF RUSSEL METALS INC.
DIVISION DE MÉTAUX RUSSEL INC.



0E89340983-57649

COMBINATION SHORT FORM OF STRAIGHT BILL OF LADING - EXPRESS SHIPPING CONTRACT,
SUBJECT TO ALL TERMS, CONDITIONS AND LIMITATIONS INCORPORATED BY REFERENCE AS SHOWN ON THE BACK OF THIS BILL.
FORMULAIRE COMBINÉ DE CONNAISSANCE DIRECT - ET DE CONTRAT D'EXPÉDITION PAR
MESSAGERIE ASSUJÉTI À TOUTES LES MODALITÉS, CONDITIONS ET LIMITATIONS QUI Y SONT INTÉGRÉES PAR RENVOI, AINSI
QU'IL EST INDiqué AU VERSO DU PRÉSENT CONNAISSANCEMENT.

ACIER LEROUX

1675 ROUTE DE L'AÉROPORT

C.P. 550 AMOS QC J9T3

TEL#: (819) 732-8381

PROMISE.....: 06/14/17

REPRESENTANT Yvan Bégin

EXPÉDIÉ: 00	VENDU: 8910165	06/13/17	FREIGHT TERMS MODALITÉS DE TRANSPORT
NORMEX METAL	NORMEX METAL		PORT PAYÉ
9088-6615 QUEBEC INC.	9088-6615 QUEBEC INC.		CARRIER TRANSPORTEUR RT# 006
11 BOUL. INDUSTRIEL	P.O. BOX 565		NOTRE CAMION
ROUTE 111 EST	EARLTON ON P0J 1E0		CUSTOMER PHONE # TÉLÉPHONE À LA CLIENTÈLE #
LA SARRE QC J9Z 2X2			(819) 333-1200

#BCC PLA06104

RELACHE#

INSTRUCTIONS CLIENT:

ECRIRE # DE COULEE SUR LA COPIE ROSE DU CLIENT

FERME A 13HR00 LE VENDREDI

COMMENT.:

LIVRAISON 14 JUIN 17

VEHICLE IDENT
IDENTIFICATION DU VEHICULE

NIR: R-527158-1

LN#01 54306 GRILLE 9 1/2 X1 1/2 X CALIBRE 12 SECURITE MOTIF DIAMANT GALV. QTE COMM
#PIEC X 12' 2 EA 120 LB

QTE expédiée.....

ETQ 9063943 COUL LETTRE CONFORME 120 LB 2 EA PAYS CANADA

L2521

LN#02 54328 GRILLE 11 3/4 X1 1/2 X CALIBRE 12 SECURITE MOTIF DIAMANT GALV. QTE COMM
#PIEC X 12' 5 EA 354 LB

QTE expédiée.....

ETQ 9064010 COUL LETTRE CONFORME 354 LB 5 EA PAYS CANADA

L2522

CONFORME	OUI	NON
SIGNÉ		
DATE	14/06/17	
JOUR	MOIS	ANNEE

Les certificats d'analyse (MTR) seront automatiquement envoyés par email

PAGE: 1

TOTALS PALETTES

7 EA

474 LB

STEEL, STAINLESS STEEL, ALUMINUM, BRASS,
COPPER, NICKEL AND SPECIALTY STEEL

The above listed products, in a natural state, do not pose inhalation, ingestion or contact hazards.

Prolonged overexposure to dust or fumes during welding, burning, grinding or machining may result in respiratory irritation, skin irritation or disease. USE ADEQUATE VENTILATION AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

For Brass and Copper Alloys, contact with acids may liberate flammable and explosive hydrogen gas. If heated, copper oxide, zinc oxide, nickel oxide, tin oxide, cadmium oxide and/or lead fumes may be evolved. Aluminum products may slip during handling or transportation.

DUCTS MUST BE SECURED FOR HANDLING AND TRANSPORTATION.
All containment shipping may result in the shipping rebounding and injuring those nearby. EXERCISE CAUTION.

For overexposure to metal fumes, remove to fresh air. For skin contact, wash thoroughly with soap and water. Obtain medical attention if symptoms persist.

SEE MATERIAL SAFETY DATA SHEETS FOR MORE DETAILED INFORMATION.

BUYER'S ORDER IS FILLED IN ACCORDANCE WITH THE ABOVE TERMS AND CONDITIONS OF SALE AND THOSE ON THE REVERSE HEREOF. ALL OF WHICH TERMS AND CONDITIONS SUPERSEDE THE TERMS AND CONDITIONS (IF ANY) OF PURCHASER'S ORDER. BY ACCEPTING LIVERY OF ALL OR PART OF THE ABOVE DESCRIBED GOODS (HEREINAFTER CALLED THE "GOODS") OR BY PAYING FOR SAME IN WHOLE OR IN PART PURCHASER AGREES TO ALL THE TERMS AND CONDITIONS SET FORTH ABOVE AND ON THE REVERSE HEREOF. LA COMMANDE DE L'ACHETEUR EST EXÉCUTÉE EN CONFORMITÉ DES CONDITIONS DE VENTE ÉTAPLÉES CI-DESSUS ET AU VERSO DES PRÉSENTES. TOUTES CES CONDITIONS REMPLACENT CELLES (S'IL Y A ÉCHÉANCE) ÉNONCÉES AU BORD DE LA COMMANDE DE L'ACHETEUR CEPTANT LA LIVRAISON DE TOUT OU PARTIE DES MARCHANDISES DÉCRITES CI-DESSUS (CI-APRÈS APPELÉES LES "MARCHANDISES") OU EN LES PAYANT INTÉGRALEMENT OU PARTIELLEMENT. L'ACHETEUR ACCEPTE TOUTES LES CONDITIONS STIPULÉES CI-DESSUS ET AU VERSO DES PRÉSENTES.

OFFICE/ADMINISTRATIVE

SHIPPING/EXPEDITION

DRIVER/CHAUFFEUR

CUSTOMER/CLIENT

RL9 L 04

6/14/17 9:05:39

EMAIL PAGE COUVERTURE

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Société:

6/14/17 9:05:39

Document Sommaire

Page couverture 1

Objet: MILL TEST CERTIFICATE

NO.COMMANDE :89340983

No.Bc Du Client :PLA06104

City : LA SARRE State/Province . QC

Séquence correspondant au(x) MTR imprimé(s):

Ln#	Description item:	Coulée	MTR
1	9 1/2 X 1 1/2 X12CAL GR.SÉC DIA GAL LETTRE CONFORME		089022989

2	11 3/4X 1 1/2 X12CAL G.SÉC DIA GALV LETTRE CONFORME		089026958



ACCURATE
SCREEN + GRATING
Products with holes, backed with solid service

10905-48 Street S.E, Unit #147, Calgary, AB T2C 1G8

To whom it may concern,

Accurate Screen and Grating certifies all bar grating materials conform to applicable NAAM specifications MBG 531-00 and that all expanded metal conforms to the expanded metal manual EMMA 557-99.

Compliance specification

<u>Expanded Metal</u>	<u>Specification</u>
Carbon Steel	ASTM A366 (alloy C1008)
Aluminum	3003 H-14 aluminum
<u>Channel Grating Diamond and Round Hole</u>	
Galvanized	ASTM A36 G90 coating
Aluminum	5052 H-32 aluminum
<u>Ladder Rungs</u>	
Galv	ASTM A36 G90 Coating
Aluminum	5052 H-32 aluminum
<u>Bar Grating</u>	
Bare and Painted	ASTM A36
Galv	ASTM A36 G90 coating
Aluminum	6063-T6

Materials Manager

Todd Bigelow



089022989



3 janvier 2017

Client : ACIER LEROUX AMOS

Bon de Commande : VALIDE POUR 2017

La présente certifie qu'AMICO DRAMEX a expédié ou expédiera un ou plusieurs produits décrits ci-dessous, et que ces derniers répondent aux normes correspondantes.

PRODUIT	PAYS D'ORIGINE	SPECIFICATIONS
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Caillebotis a barre soudé	États-Unis	NAAMM MGB-531 Acier : ASTM A1011/A1011M Galvanisé à chaud : ASTM A123 Inoxydable : T-304, T-316
Caillebotis "Swage Locked"	États-Unis	NAAMM MGB-531 Aluminium : ASTM B-221, 6063-T6
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AMICO DRAMEX

62 rue Kelly, St-Jean-sur-Richelieu, Québec, Tel. 800.463.3255, Fax 450.347.0541, amico-online.com

A GIBALTAR INDUSTRIES COMPANY 



ROUX
DIVISION OF RUSSEL METALS INC.
DIVISION de MÉTAUX RUSSEL INC.



0E89340445-56798

COMBINATION SHORT FORM OF STRAIGHT BILL OF LADING - EXPRESS SHIPPING CONTRACT,
SUBJECT TO ALL TERMS, CONDITIONS AND LIMITATIONS INCORPORATED BY REFERENCE AS SHOWN ON THE BACK OF THIS BILL.
FORMULAIRE COMBINÉ DE CONNAISSANCEMENT DIRECT - ET DE CONTRAT D'EXPÉDITION PAR
MESSAGERIE ASSUJÉTI À TOUTES LES MODALITÉS, CONDITIONS ET LIMITATIONS QUI Y SONT INTÉGRÉES PAR RENVOI, AINSI
QU'IL EST INDiqué AU VERSO DU PRÉSENT CONNAISSANCEMENT.

ACIER LEROUX
1675 ROUTE DE L'AÉROPORT
C.P. 550 AMOS QC J9T3

TEL#: (819) 732-8381

PROMISE.....: 05/31/17
REPRESENTANT Yvan Bégin

EXPÉDIÉ: 00
NORMEX METAL
9088-6615 QUEBEC INC.
11 BOUL. INDUSTRIEL
ROUTE 111 EST
LA SARRE QC J9Z 2X2

VENDU: 8910165 05/31/17
NORMEX METAL
9088-6615 QUEBEC INC.
P.O. BOX 565
EARLTON ON P0J 1E0

FREIGHT TERMS
MODALITÉS DE TRANSPORT
PORT PAYÉ
CARRIER
TRANSPORTEUR RT# 006
NOTRE CAMION
CUSTOMER PHONE #
TÉLÉPHONE À LA CLIENTÈLE #
(819) 333-1200

#BCC PLA06075

RELACHE#

INSTRUCTIONS CLIENT:

VEHICLE IDENT.
IDENTIFICATION DU VEHICULE

NIR: R-527158-1

ECRIRE # DE COULEE SUR LA COPIE ROSE DU CLIENT

FERME A 13HR00 LE VENDREDI

COMMENT.:

LIVRAISON 31 MAI 17

PIPE CAT MACK
POMEC

LN#04 28862 PROFILÉ EN U .8 X 13.75 50W QTÉ COMM
#PIÉC X 20' 7 EA 1925 LB
Commentaire A COUPER
7 FOIS 20'

L-2492

CONFORME	OUI	NON
SIGNÉ		
DATE	02.06.17	
	JOUR	MOIS ANNÉE

Les certificats d'analyse (MTR) seront automatiquement envoyés par email

PAGE: 1

TOTALS PALETTES

7 EA

1925 LB

STEEL, STAINLESS STEEL, ALUMINUM, BRASS,
COPPER, NICKEL AND SPECIALTY STEEL

above listed products, in a natural state, do not pose inhalation, ingestion or contact hazards.

alonged overexposure to dust or fumes during welding, burning, grinding or machining may result in
irritation, skin irritation or disease. USE ADEQUATE VENTILATION AND APPROPRIATE PERSONAL
PROTECTIVE EQUIPMENT.

Brass and Copper Alloy, contact with acids may liberate flammable and explosive hydrogen gas. If heated,
open acids, zinc oxide, nickel oxide, tin oxide, cadmium oxide and/or lead fumes may be evolved. Aluminum
dusts may flammable during handling or transportation.

OBJECTS MUST BE SECURED FOR HANDLING AND TRANSPORTATION.
containment strapping may result in the strapping rebounding and injuring those nearby. EXERCISE

caution to metal fumes, remove to fresh air. For skin contact, wash thoroughly with soap and water.
skin medical attention if symptoms persist.

SEE MATERIAL SAFETY DATA SHEETS FOR MORE DETAILED INFORMATION.

BUYER'S ORDER IS FILLED IN ACCORDANCE WITH THE ABOVE TERMS AND CONDITIONS OF SALE AND THOSE ON THE REVERSE HEREOF, ALL OF WHICH TERMS AND CONDITIONS SUPERSEDE THE TERMS AND CONDITIONS (IF ANY) OF PURCHASER'S ORDER, BY ACCEPTING
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LIVRAISON DE TOUT OU PARTIE DES MARCHANDISES DÉCRITES CI-DESSUS (CI-APRÈS APPELÉES LES "MARCHANDISES") OU EN LES PAYANT INTÉGRALEMENT OU PARTIELLEMENT, L'ACHETEUR ACCEPTE TOUTES LES CONDITIONS STIPULÉES CI-DESSUS ET AU
D'ES PRÉSENTES.

OFFICE/ADMINISTRATIVE

SHIPPING/EXPEDITION

DRIVER/CHAUFFEUR

CUSTOMER/CLIENT

RL9-L 04/1

6/02/17 9:05:21

EMAIL PAGE COUVERTURE

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Société:

6/02/17 9:05:21

Document Sommaire

Page couverture 1

Objet: MILL TEST CERTIFICATE

NO.COMMANDE :89340445

No.Bc Du Client :PLA06075

City : LA SARRE

State/Province . QC

Séquence correspondant au(x) MTR imprimé(s):

Ln#	Description item;	Coulée	MTR
4	8 X 13.75 PROFILÉ EN U 50W	622636	094125424

4	8 X 13.75 PROFILÉ EN U 50W	52077454	094130101

A01 ArcelorMittal Poland S.A. Oddział w Dąbrowie Górniczej al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza	A02 MILL TEST REPORT	Z01.1 Dąbrowa Górnicza, 12.09.2016																																																								
ASTM A6/A6M Nr: 1001875531																																																										
A05.1 Purchaser: ARCELOMITTAL COMMERCIAL SECTIONS S A 4221 ESCH-SUR-ALZETTE Luxembourg / Luxembourg / Luxembourg 86 RUE DE LUXEMBOURG 86 RUE DE LUXEMBOURG																																																										
A05.2 Address: Ader Leroux div. of Russel Metals 401897 148 BA1 BOUCHERVILLE Canada / Canada / Canada 1331, GRAHAM BELL																																																										
A07	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 25%;">No of purchase order</th> <th style="width: 25%;">Contract No</th> <th style="width: 25%;">Manuf. Order No/Pos</th> <th style="width: 25%;">Delivery Note</th> <th style="width: 20%;">Number of transport</th> </tr> <tr> <td>M94037300</td> <td>PU277839863/16-10886488</td> <td>20014545/000005</td> <td>62453689</td> <td>316139468216</td> </tr> <tr> <td colspan="2">ORDER: M94037300</td> <td>LOT: SOREL</td> <td colspan="2">PREBON: 1700023428/5</td> </tr> </table>		No of purchase order	Contract No	Manuf. Order No/Pos	Delivery Note	Number of transport	M94037300	PU277839863/16-10886488	20014545/000005	62453689	316139468216	ORDER: M94037300		LOT: SOREL	PREBON: 1700023428/5																																										
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C01-C02 Chemical composition [%] <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 5%;">Heat</th> <th style="width: 5%;">C</th> <th style="width: 5%;">Mn</th> <th style="width: 5%;">Si</th> <th style="width: 5%;">P</th> <th style="width: 5%;">S</th> <th style="width: 5%;">Cu</th> <th style="width: 5%;">Cr</th> <th style="width: 5%;">Ni</th> <th style="width: 5%;">Al</th> <th style="width: 5%;">N₂</th> <th style="width: 5%;">Mo</th> <th style="width: 5%;">Nb</th> <th style="width: 5%;">V</th> <th style="width: 5%;">Ti</th> <th style="width: 5%;">Sn</th> <th style="width: 5%;">Pb</th> <th style="width: 5%;">As</th> <th style="width: 5%;">B</th> <th style="width: 5%;">O</th> <th style="width: 5%;">H₂</th> <th style="width: 5%;">CEV</th> </tr> <tr> <td>622636</td> <td>0,18</td> <td>0,83</td> <td>0,187</td> <td>0,018</td> <td>0,008</td> <td>0,01</td> <td>0,03</td> <td>0,005</td> <td>0,002</td> <td>0,0059</td> <td>0,001</td> <td>0,001</td> <td>0,040</td> <td>0,001</td> <td>0,002</td> <td>0,001</td> <td>0,001</td> <td>0,0002</td> <td></td> <td></td> <td>0,31</td> </tr> </table>			Heat	C	Mn	Si	P	S	Cu	Cr	Ni	Al	N ₂	Mo	Nb	V	Ti	Sn	Pb	As	B	O	H ₂	CEV	622636	0,18	0,83	0,187	0,018	0,008	0,01	0,03	0,005	0,002	0,0059	0,001	0,001	0,040	0,001	0,002	0,001	0,001	0,0002			0,31												
Heat	C	Mn	Si	P	S	Cu	Cr	Ni	Al	N ₂	Mo	Nb	V	Ti	Sn	Pb	As	B	O	H ₂	CEV																																					
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Mechanical properties <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">Heat</th> <th style="width: 10%;">Y_S</th> <th style="width: 10%;">Y_{S02}</th> <th style="width: 10%;">UTS</th> <th style="width: 10%;">E_L</th> <th style="width: 10%;">E_L</th> <th style="width: 10%;">Y_{80/25}</th> <th style="width: 10%;">Y_{80/25}</th> <th style="width: 10%;">P_{0.2}</th> <th style="width: 10%;">T_{0.2}</th> <th style="width: 10%;">T_{0.2}</th> <th style="width: 10%;">T_{0.2}</th> <th style="width: 10%;">T_{0.2}</th> <th style="width: 10%;">T_{0.2}</th> </tr> <tr> <td></td> <td>[MPa]</td> <td>[MPa]</td> <td>[MPa]</td> <td>[mm]</td> <td>[mm]</td> <td>[MPa]</td> <td>[MPa]</td> <td>[MPa]</td> <td>[MPa]</td> <td>[MPa]</td> <td>[MPa]</td> <td>[MPa]</td> <td>[MPa]</td> </tr> <tr> <td>622636</td> <td>354,0</td> <td></td> <td>493,0</td> <td>200</td> <td>22,3</td> <td>0,72</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>622636</td> <td>360,0</td> <td></td> <td>498,0</td> <td>200</td> <td>22,3</td> <td>0,72</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			Heat	Y _S	Y _{S02}	UTS	E _L	E _L	Y _{80/25}	Y _{80/25}	P _{0.2}	T _{0.2}	T _{0.2}	T _{0.2}	T _{0.2}	T _{0.2}		[MPa]	[MPa]	[MPa]	[mm]	[mm]	[MPa]	[MPa]	[MPa]	[MPa]	[MPa]	[MPa]	[MPa]	[MPa]	622636	354,0		493,0	200	22,3	0,72								622636	360,0		498,0	200	22,3	0,72							
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Z01 Statement of compliance: The producer guarantees that delivered goods are in accordance with the conditions of the order.																																																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; vertical-align: top;"> A05, Z02.2 </td> <td style="width: 33%;"></td> <td style="width: 33%;"></td> </tr> </table>			A05, Z02.2 																																																							
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Wystawili: Antoni Czuchrański



094125424

Strona 2 / 2



GERDAU

CA-ML-WHITBY

1 GERDAU CT

WHITBY, ON L1N 5T1

Canada

CERTIFIED MATERIAL TEST REPORT

Page 1/1

CUSTOMER SHIP TO LEROUX STEEL 1331 RUE GRAHAM BELL BOUCHERVILLE QC J4B 6A1 Canada		CUSTOMER BILL TO LEROUX STEEL 1331 RUE GRAHAM BELL BOUCHERVILLE QC J4B 6A1 Canada		GRADE GOMULTI	SHAPE / SIZE Channel / 8 X 13.75#	DOCUMENT ID: 0000035240
SALES ORDER 4777761/000040		CUSTOMER MATERIAL N°		LENGTH 40'00"	WEIGHT 61.600 LB	HEAT / BATCH 52077454/02
BILL OF LADING 1302-0000057236		DATE 03/20/2017		SPECIFICATION / DATE OF REVISION ASTM A529-14, A572-15 ASTM A514, A36-14, ASME SA-36 ASTM A709-15, AASHTO M270-12 CSA G40.20-13/Q40.21-13		

CUSTOMER PURCHASE ORDER NUMBER

94038187

CHEMICAL COMPOSITION				MECHANICAL PROPERTIES			
C %	0.16	Mn %	0.85	P %	0.014	S %	0.021
Y %	0.2	PSI	74822	UTS	516	Q _T %	0.24
PSI	54768	MPa	378	Y _S MPa	380	Ni %	0.09
				UTS MPa	511	Cr %	0.09
						V %	0.021
						Nb %	0.001
						Elong. %	23.60
						G/L Inch	8.000
						G/L	8.000

COMMENTS / NOTES

This grade meets the requirements for the following grades:
ASTM Grades: A36; A529-50; A572-50; A709-50
CSA Grades: 44W; 50W
AASHTO Grades: M270-36; M270-50
ASME Grades: SA36



094130101

The above figures are certified chemical and physical test records as contained in the permanent records of company. We certify that these data are correct and in compliance with specified requirements. This material, including the billets, was melted and manufactured in Canada. CMTR complies with EN 10204 3.1.

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