

## Specialty Rolled Products

500 Green Street  
Washington, PA 15301

# Certificate of Test

V. DeFerrari

Noreen DeFerrari - Sr. Manager, Quality

### Mill Information

Cert Number 0267301-00

## Customer Information

Name RELIANCE STEEL-SERVICE STEEL

Sales 50-104-259

Cert 120-30-2025

PO  
Date

**Sold** RELIANCE STEEL-SERVICE STEEL

**to:** AEROSPACE  
4609 70TH AVENUE EAST  
FIFE, WA 98424

## Ship

to: 12034 GREENSTONE AVE  
SANTE FE SPRINGS, CA 90670

## Material Information

4" ATT 15-5" PRECIPITATION HARDENABLE STAINLESS STEEL  
PMP HOT ROLLED PLATE-ANNEALED PICKLED COMMERCIAL CU

MAR 17 2025

AMS-STD-2154E TYPE I CLASS A

ASTM-A-480-24

BMS7-240J TYPE I

AMS 5862M TYPE 2 CND A/H900

DIN EN 10204:2005 3.1 CERTIFICATE

S-SPEC-1, S-1000 DATED 7-12-24

S-SPEC-35 S-400 DATED 2-18-21

ASME-SA-693-23 CND A/H900

UNS \$15500

BAC 5439 REV J CLASS A TYPE 1

BSS7055 REV B CLASS A TYPE 1

ASTM-A-693-24 S15500 CND A/H900

### Piece Information

|           |        | Gauge     | Width    | Length    | Govt-Contract-#:<br>ScheduleB: |          |            | Govt-DO-Rating: |  |       | Total<br>Wt |
|-----------|--------|-----------|----------|-----------|--------------------------------|----------|------------|-----------------|--|-------|-------------|
| Pcs       |        | (in)      | (in)     | (in)      | Heat #                         | Piece ID | Section Id | Lot #           |  | (lbs) |             |
| Item: 001 |        | Cust-Id:  |          |           |                                |          |            |                 |  |       |             |
|           |        | Cust-Job: |          |           |                                |          |            |                 |  |       |             |
| 1         | 1.0000 | 36.0000   | 150.8700 | 866407-07 | CH63469-0001                   | ---      | 543457     | 1609            |  |       |             |

## Chemistry Testing

| Element<br>(wt %) | Requirements |       | Final Heat Analysis |     |
|-------------------|--------------|-------|---------------------|-----|
|                   | Min          | Max   | 866407-07           | Loc |
| C                 | ---          | .07   | .04                 | TC  |
| MN                | ---          | 1.00  | .74                 | TC  |
| P                 | ---          | .030  | .021                | TC  |
| S                 | ---          | .015  | < .001              | TC  |
| SI                | ---          | 1.00  | .35                 | TC  |
| CR                | 14.00        | 15.50 | 14.52               | TC  |
| NI                | 3.50         | 5.50  | 4.64                | TC  |
| MO                | ---          | .50   | .21                 | TC  |
| CU                | 2.50         | 4.50  | 3.19                | TC  |
| CB                | .15          | .45   | .28                 | TC  |
| TA                | ---          | ---   | .010                | TC  |
| CTC               | 5.00         | ---   | 6.63                | XX  |
| CBT               | .15          | .45   | .29                 | XX  |

866407-07

|                                                                                                                                                                         |  |                            |             |                                                                                                                                             |                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <br><b>Specialty Rolled Products</b><br><br>500 Green Street<br>Washington, PA 15301 |  | <b>Certificate of Test</b> |             | <br><small>Noreen DeFarrari - Sr. Manager, Quality</small> |                              |
|                                                                                                                                                                         |  | <b>Mill Information</b>    |             | <b>Customer Information</b>                                                                                                                 |                              |
|                                                                                                                                                                         |  | Cert Number                | 0267301-00  | Name                                                                                                                                        | RELIANCE STEEL-SERVICE STEEL |
|                                                                                                                                                                         |  | Sales Order                | 50-104-259  | PO                                                                                                                                          | 29-366256                    |
|                                                                                                                                                                         |  | Cert Date                  | Jan-30-2025 | PO Date                                                                                                                                     | Oct-17-2024                  |

Chemistry Testing

| Element<br>(wt %) | Requirements |     | Final Heat Analysis |     |
|-------------------|--------------|-----|---------------------|-----|
|                   | Min          | Max | 866407-07           | Loc |
| CBC               | 5.00         | --- | 6.40                | XX  |

ATI Flat rolled products performs chemical analysis by the following techniques for testing locations TC, BN, & LO: C & S by combustion/infrared absorption per ASTM E1019; N & O by inert fusion/thermal conductivity per ASTM E1019; Mn, P, Si, Cr, Ni, Mo, Cu, Cb(Nb), Co, V, W by WDXRF per ASTM E572; Pb, Bi, Ag, Se, S by GFAA per ASTM E1184; Al and Ti (>=0.10%) by WDXRF per ASTM E572 otherwise by OES per ASTM E1086; TA, Zn, Mg, Cd, Ce, Ca, Zr, La by ICP per ASTM E1479.

86640707 - Material was produced by EF melting, AOD refining, and ESR.  
USA melt and manufacture

Material melted at ATI FRP Brackenridge (FRPB)

FRPB - ATI FRP BRACKENRIDGE 100 River Road Brackenridge, PA 15014

CBC = Cb / C

CBT = Cb + Ta

CTC = (Cb + Ta) / C

Mechanical Testing

|                |            |          |            |         |
|----------------|------------|----------|------------|---------|
|                | LOT        | 543457   | LOT        | 543457  |
| Condition:     | ANNEALED   |          | H900       |         |
| Direction:     | TRANSVERSE |          | TRANSVERSE |         |
| Temperature:   | ROOM TEMP  |          | ROOM TEMP  |         |
| Spec:          |            |          |            |         |
| Test Limit     | Units      | Result   | Loc        | Result  |
| HARDNESS       | ---        | 329. HBW | TC         | 43. HRC |
| YS 0.2% OFFSET | psi        | ---      | ---        | 173300. |
| TENSILE        | psi        | ---      | ---        | 193300. |
| ELONG. IN 2"   | %          | ---      | ---        | 12.     |
| RED OF AREA    | %          | ---      | ---        | 58.     |

When hardness is measured using the Brinell scale, the indentation measuring device is Type A.

"H", "TH", "RH", and other heat treated values are capability test results.

|                                                                                                                                                                         |  |                                                                                                           |  |                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------|
|  <b>ATI</b><br>Specialty Rolled Products<br>500 Green Street<br>Washington, PA 15301 |  | <b>Certificate of Test</b>                                                                                |  | <i>VP DeFerrari</i><br><small>NORMAN DEFERRARI - Sr. Manager, Quality</small> |
| <b>Mill Information</b><br>Cert Number 0267301-00<br>Sales Order 50-104-259<br>Cert Date Jan-30-2025                                                                    |  | <b>Customer Information</b><br>Name RELIANCE STEEL-SERVICE STEEL<br>PO 29-366256-1<br>PO Date Oct-17-2024 |  |                                                                               |

### Mechanical Property Requirements

|                |            |     |          |         |            |
|----------------|------------|-----|----------|---------|------------|
| Condition:     | ANNEALED   |     |          |         | H900       |
| Direction:     | TRANSVERSE |     |          |         | TRANSVERSE |
| Temperature:   | ROOM TEMP  |     |          |         | ROOM TEMP  |
| Spec:          |            |     |          |         |            |
| Test Limit     | Units      | Min | Max      | Min     | Max        |
| YS 0.2% OFFSET | psi        | --- | ---      | 170000. | ---        |
| TENSILE        | psi        | --- | ---      | 190000. | ---        |
| ELONG. IN 2"   | %          | --- | ---      | 10.     | ---        |
| RED OF AREA    | %          | --- | ---      | 35.     | ---        |
| HARDNESS       | ---        | --- | 352. HBW | 40. HRC | 47. HRC    |

### Other Testing

| Test ID        | Result Name  | Result | Units | Loc | Requirements |
|----------------|--------------|--------|-------|-----|--------------|
| 866407<br>HEAT | MP FREQUENCY | .00    |       | PE  | .25 max      |
| 866407<br>HEAT | MP SEVERITY  | .00    |       | PE  | .50 max      |

### Certification Statements

UT report MISTRAS 37822 for CH63469-0001 is attached.

Grade verification was performed spectroscopically.

EN 10204:2005 - 3.1 Certificate does not imply that material is an approved PED grade. For a complete listing of approved PED grades, visit our website at [www.atimaterials.com](http://www.atimaterials.com).

Material was solution annealed at 1900 +/- 25F (1038 +/- 14C) for a time commensurate with thickness and cooled to below 90F (32C).

ATI Specialty Rolled Products has complied with all producer requirements of AS6279.

ATI Specialty Rolled Products does not use mercury in the testing or production of its products.

Material tested at ATI Specialty Rolled products GEAE S400 approved facilities (T1225 & T9317): Natrona Heights,PA; Brackenridge, PA and New Bedford, MA.

ATI Specialty rolled products holds several Quality and Laboratory Certifications that include ISO-9001, AS9100, AD 2000-Merkblatt W0, EU Pressure Equipment Directive 14/68/EU, Nadcap, ISO/IEC 17025, GEAE S400(T1225 & T9317), GEAE S-1000. Refer to [www.ATIMaterials.com](http://www.ATIMaterials.com) to access the current ATI SRP quality certifications.

The following test methods are used by the listed lab: ASTM E8 for all specimens for yield, tensile, and elongation except ISO 6892-1 for 80mm specimens; ASTM E290 for bend (for New Bedford Laboratory - Type 2 Free bend is used), ASTM E112 for grain size; ASTM E10, E18, E92, & E384 for hardness; ASME B46.1 Section3 for surface roughness; AMS 2750 for laboratory heat treatment, ASTM E139 for stress rupture; ASTM E29 for rounding; ASTM E3 and E407 for metallographic preparation and etching.

|                                                                                                                                                                         |                                                                           |                                                                          |                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------|
|  <b>ATI</b><br>Specialty Rolled Products<br>500 Green Street<br>Washington, PA 15301 | <b>Certificate of Test</b>                                                |                                                                          | <i>N. DeFerrari</i><br><small>Noroon DeFerrari - Sr. Manager, Quality</small> |
|                                                                                                                                                                         | <b>Mill Information</b>                                                   | <b>Customer Information</b>                                              |                                                                               |
|                                                                                                                                                                         | Cert Number 0267301-00<br>Sales Order 50-104-259<br>Cert Date Jan-30-2025 | Name RELIANCE STEEL-SERVICE STEEL<br>PO 29-366256<br>PO Date Oct-17-2024 |                                                                               |

### Certification Statements

ATI SRP products have not come in contact with radioactive materials during manufacturing or processing.

EN 10204:2005 3.1 certificate.

### General Statements

The Finishing Location for ALL PIECES is ATI-SRP , PA  
The Shipping Location is ATI-SRP MONACA

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS

PE = PRODUCT EVALUATION SYSTEMS; 637 Donohoe Road; Latrobe, PA 15650  
TC = ATI SRP Natrona Heights; 1300 Pacific Avenue; Natrona Heights, PA 15065  
XX = CALCULATED

Knowingly and willfully recording any false, fictitious or fraudulent statement or entry on this document may be punished as a felony under Federal statutes, including Federal Law, Title 18, Chapter 47.

**WARNING:** Processing that makes fumes, dust, or solutions may cause lung disease. Please see Safety Data Sheet for further information which has been supplied to your Purchasing Department. For an additional copy, please refer to our website at:  
[www.atimaterials.com/products/ati-sds](http://www.atimaterials.com/products/ati-sds)

For access to online Certifications of Test, please register at [MyATI.ATIMaterials.com](http://MyATI.ATIMaterials.com).

This Certified Material Test Report is a true representation of the data on file. The reported results conform to the sales contract and specification(s) as set forth in ATI Specialty Rolled Products order acknowledgement. This certificate of Test may not be reproduced except in full without the written authorization of the company.

ATI Specialty Rolled Products website contains listing of material produced, general technical and contact information, and current quality and company accreditations including but not limited to ISO-9001, AS-9100, Nadcap, and ISO/IEC 17025. Please visit us at [www.atimaterials.com](http://www.atimaterials.com).



Specialty Rolled Products

500 Green Street  
Washington, PA 15301

## Certificate of Test

*N. DeLennari*

Noreen DeLennari - Sr. Manager, Quality

### Mill Information

Cert Number 0277126-00  
Sales Order 50-065-373  
Cert Date Sep-05-2025

### Customer Information

Name ROLLED ALLOYS INC  
PO 0238255-HOU  
PO Date Jun-27-2025

**Sold** ROLLED ALLOYS INC  
to: PO BOX 310  
TEMPERANCE, MI 48182

**Ship** ROLLED ALLOYS INC.  
to: 9818 E. HARDY ROAD  
HOUSTON, TX 77093

### Material Information

"ATI 15-5" PRECIPITATION HARDENABLE STAINLESS STEEL  
PMP HOT ROLLED PLATE ANNEALED PICKLED COMMERCIAL CUT EDGE

AMS-STD-2154E TYPE I CLASS A  
ASTM-A-693-24 S15500 CND A/H900  
AMS 5862M TYPE 2 CND A/H900  
S-SPEC-35 S-400 DATED 2-18-21  
UNS S15500  
BSS7055 REV B CLASS A TYPE 1

ASQR-01 REV 15  
BMS7-240J TYPE I  
S-SPEC-1, S-1000 DATED 7-12-24  
ASME-SA-693-23 CND A/H900  
BAC 5439 REV J CLASS A TYPE 1

### Piece Information

|           | Gauge  | Width            | Length   |                  |          |            |        | Total Wt |                 |
|-----------|--------|------------------|----------|------------------|----------|------------|--------|----------|-----------------|
| Pcs       | (in)   | (in)             | (in)     | Heat #           | Piece ID | Section Id | Lot #  | (lbs)    |                 |
| Item: 003 |        | Cust-Id: 0143451 |          | Govt-Contract-#: |          |            |        |          | Govt-DO-Rating: |
|           |        | Cust-Job:        |          | ScheduleB:       |          |            |        |          |                 |
| 1         | 1.7500 | 72.0000          | 240.0000 | 867090-01        | CH63969  | ---        | 551011 | 8841     |                 |

### Chemistry Testing

| Element (wt %) | Requirements |       | Final Heat Analysis |     |
|----------------|--------------|-------|---------------------|-----|
|                | Min          | Max   | 867090-01           | Loc |
| C              | ---          | .07   | .05                 | TC  |
| MN             | ---          | 1.00  | .84                 | TC  |
| P              | ---          | .030  | .018                | TC  |
| S              | ---          | .015  | < .001              | TC  |
| SI             | ---          | 1.00  | .32                 | TC  |
| CR             | 14.00        | 15.50 | 14.89               | TC  |
| NI             | 3.50         | 5.50  | 4.70                | TC  |
| MO             | ---          | .50   | .24                 | TC  |
| CU             | 2.50         | 4.50  | 3.24                | TC  |
| CB             | .15          | .45   | .33                 | TC  |
| TA             | ---          | ---   | .010                | TC  |
| CTC            | 5.00         | ---   | 7.12                | XX  |
| CBT            | .15          | .45   | .34                 | XX  |

HEAT # 867090-01



TRACER # 0742105US

Receiving Inspection  
By: *WDM*  
Date: 9/24/25



**ATI**  
Specialty Rolled Products

500 Green Street  
Washington, PA 15301

**Certificate of Test**

**Mill Information**

Cert Number 0277126-00

Sales Order 50-065-373

Cert Date sep-05-2025

**Customer Information**

Name ROLLED ALLOYS INC

PO 0238255-HOU

PO Date Jun-27-2025

*Y. DeTerra*  
MOSEMI DEPATRIEL - Sr. Manager, Quality

**Chemistry Testing**

| Element<br>(wt %) | Requirements |     | Final Heat Analysis |     |
|-------------------|--------------|-----|---------------------|-----|
|                   | Min          | Max | 867080-01           | Loc |
| CBC               | 5.00         | --- | 6.92                | XX  |

ATI Flat Rolled Products performs chemical analysis by the following techniques for testing locations TC, BN, & LO: C & S by combustion/infrared absorption per ASTM E1019; N & O by inert fusion/thermal conductivity per ASTM E1019; Mn, P, Si, Cr, Ni, Mo, Cu, Cb(Nb), Co, V, W by WDXRF per ASTM E572; Pb, Bi, Ag, Se, S by GFAA per ASTM E1184; Al and Ti (>=0.10%) by WDXRF per ASTM E572 otherwise by OES per ASTM E1086; Ta, Zn, Mg, Cd, Ce, Ca, Zr, La by ICP per ASTM E1479.

86709001 - Material was produced by EF melting, AOD refining, and ESR.  
USA melted, poured and manufactured  
Material melted at ATI FRP Brackenridge (FRPB)

FRPB - ATI FRP BRACKENRIDGE 100 River Road Brackenridge, PA 15014

CBC = Cb / C  
CBI = Cb + Ta  
CIC = (Cb + Ta) / C

**Mechanical Testing**

| Test Limit     | Units | LOT 551011 |     | LOT 551011 |     |
|----------------|-------|------------|-----|------------|-----|
|                |       | Result     | Loc | Result     | Loc |
| HARDNESS       | --    | 335.       | HBW | TC 42, HRC | TC  |
| YS 0.2% OFFSET | psi   | ---        |     | 170800.    | TC  |
| TENSILE        | psi   | ---        |     | 191600.    | TC  |
| ELONG. IN 2"   | %     | ---        |     | 16.        | TC  |
| RED OF AREA    | %     | ---        |     | 53.        | TC  |

when hardness is measured using the Brinell scale, the indentation measuring device is Type A.  
"H", "TH", "RH", and other heat treated values are capability test results.



Specialty Rolled Products

500 Green Street  
Washington, PA 15301

## Certificate of Test

*N. DeTerra*

Noreen DeTerra - Sr. Manager, Quality

### Customer Information

**Mill Information**  
Cert Number 0277126-00  
Sales Order 50-065-373  
Cert Date Sep-05-2025

**Customer Information**  
Name ROLLED ALLOYS INC  
PO 0238255-HOU  
PO Date Jun-27-2025

### Mechanical Property Requirements

|                |            |     |            |                 |
|----------------|------------|-----|------------|-----------------|
| Condition:     | ANNEALED   |     | H900       |                 |
| Direction:     | TRANSVERSE |     | TRANSVERSE |                 |
| Temperature:   | ROOM TEMP  |     | ROOM TEMP  |                 |
| Spec:          |            |     |            |                 |
| Test Limit     | Units      | Min | Max        | Min Max         |
| YS 0.2% OFFSET | psi        | --- | ---        | 170000. ---     |
| TENSILE        | psi        | --- | ---        | 190000. ---     |
| ELONG. IN 2"   | %          | --- | ---        | 10. ---         |
| RED OF AREA    | %          | --- | ---        | 35. ---         |
| HARDNESS       | ---        | --- | 352. HBW   | 40. HRC 47. HRC |

### Other Testing

| Test ID        | Result Name  | Result | Units | Loc | Requirements |
|----------------|--------------|--------|-------|-----|--------------|
| 867090<br>HEAT | MP FREQUENCY | .00    |       | PE  | .25 max      |
| 867090<br>HEAT | MP SEVERITY  | .00    |       | PE  | .50 max      |

The ring samples used for magnetic testing were annealed in an atmosphere of pure dry H<sub>2</sub> with a dew point of -60F (-51C) or lower. The samples were heated slowly to 2050F (1121C), held at temperature for four hours, furnace cooled to 1400F (760C), and cooled at a rate of 400F (204C) from 1400F to 600F (760 to 315C).

### Certification Statements

UT report 54648 for CH63969 is attached.

Grade verification was performed spectroscopically.

Steel cleanliness, premium aircraft-quality mag particle (MP) inspection severity (rating per square inch) and frequency (count per square inch) was tested and reported per the requirements of AMS 2300 as modified by ATI's exception letter.

EN 10204:2005 - 3.1 certificate does not imply that material is an approved PED grade. For a complete listing of approved PED grades, visit our website at [www.atimaterials.com](http://www.atimaterials.com).

ATI-SRP defines the Grain Orientation Nomenclature as Longitudinal (L) is the Length, Long Transverse (LT) is the width, and short Transverse (ST) is the thickness or gauge.

Material was solution annealed at 1900 +/- 25F (1038 +/- 14C) for a time commensurate with thickness and cooled to below 90F (32C).

ATI Specialty Rolled Products has complied with all producer requirements of AS6279.

ATI Specialty Rolled Products does not use mercury in the testing or production of its products.

No welds/weld repairs performed.



Specialty Rolled Products

500 Green Street  
Washington, PA 15301

## Certificate of Test

come in contact with radioactive materials during  
Electron Micro Signature  
manufacturing or  
processing.

### Customer Information

|                    |             |                |                   |
|--------------------|-------------|----------------|-------------------|
| <b>Cert Number</b> | 0277126-00  | <b>Name</b>    | ROLLED ALLOYS INC |
| <b>Sales Order</b> | 50-065-373  | <b>PO</b>      | 0238255-HOU       |
| <b>Cert Date</b>   | Sep-05-2025 | <b>PO Date</b> | Jun-27-2025       |

### Certification Statements

Material tested at ATI Specialty Rolled Products GEAE S400 approved facilities (11225): Natrona Heights, PA; Brackenridge, PA.

ATI Specialty Rolled Products holds several quality and Laboratory Certifications that include ISO-9001, AS9100, AD 2000-Merkblatt W0, EU Pressure Equipment Directive 14/68/EU, Nadcap, ISO/IEC 17025, GEAE S400(11225 & 19317), GEAE S-1000. Refer to [www.ATIMaterials.com](http://www.ATIMaterials.com) to access the current ATI SRP quality certifications.

The following test methods are used by the listed lab: ASTM E8 for all specimens for yield, tensile, and elongation except ISO 6892-1 for 80mm specimens; ASTM E290 for bend (for New Bedford Laboratory - Type 2 Free bend is used); ASTM E112 for grain size; ASTM E10, E18, E92, & E384 for hardness; ASME B46.1 Section3 for surface roughness; AMS 2750 for laboratory heat treatment, AS1M E139 for stress rupture; ASTM E79 for rounding; ASTM E3 and E407 for metallographic preparation and etching.

ATI SRP products have not come in contact with radioactive materials during manufacturing or processing.

EN 10204:2005 3.1 Certificate.

### General Statements

The Finishing Location for ALL PIECES is ATI-SRP  
The Shipping Location is ATI-SRP WASHINGTON , PA

#### TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS

PE = PRODUCT EVALUATION SYSTEMS; 637 Donohoe Road; Latrobe, PA 15650  
TC = ATI SRP Natrona Heights; 1300 Pacific Avenue; Natrona Heights, PA 15065  
XX = CALCULATED

Knowingly and willfully recording any false, fictitious or fraudulent statement or entry on this document may be punished as a felony under federal statutes, including Federal Law, Title 18, Chapter 47.

WARNING: Processing that makes fumes, dust, or solutions may cause lung disease. Please see Safety data sheet for further information which has been supplied to your Purchasing department. For an additional copy, please refer to our website at:  
[www.atimaterials.com/products/at1-sds](http://www.atimaterials.com/products/at1-sds)

For access to online Certifications of Test, please register at [MyATI.ATIMaterials.com](http://MyATI.ATIMaterials.com).

This certified Material Test Report is a true representation of the data on file. The reported results conform to the sales contract and specification(s) as set forth in ATI Specialty Rolled Products order acknowledgement. This Certificate of Test may not be reproduced except in full without the written authorization of the company.

ATI Specialty Rolled Products website contains listing of material produced, general technical and contact information, and current quality and company accreditations including but not limited to ISO-9001, AS-9100, Nadcap, and ISO/IEC 17025. Please visit us at [www.atimaterials.com](http://www.atimaterials.com).

NOTICE OF SHIPMENT/  
PACKING LIST



ATI 17960-1  
Specialty Rolled Products

CERTIFICATE OF TEST

AL 6168 9 1221

|                       |                 |                       |               |                      |                                      |                     |
|-----------------------|-----------------|-----------------------|---------------|----------------------|--------------------------------------|---------------------|
| CLST, ORC. NO. & DATE | CUST. CODE      | FINISHING LOCATION    | SHIPPER NO.   | PRODUCT CODE         | *** ENGLISH ***<br>MILL ORDER NUMBER | ***<br>DATE SHIPPED |
| 13622                 | 06/02/22A464105 | VANDERGRIFT, PA       | 497760        | 13010103060000       | 30-062-005                           | 11/22/22            |
| FORMS DISTRIBUTION    | MG BILL         | REPEAT ORDER          | GOVT CONTRACT | MATL                 | SHIPPING LOCATION                    | INVOICE             |
| SOLD TO<br>TO →       | L580625         | DO RATE<br>07734-0 72 |               | 1159                 | SPARROWS POINT MD                    | 651022 144          |
| SHIP TO →             |                 | PRIME SEC.            |               | SHIP TO              |                                      |                     |
|                       |                 | DSO DSO               |               | HIGH TEMP METALS     |                                      |                     |
|                       |                 | 10                    |               | 12500 FOOTHILL BLVD. |                                      |                     |
|                       |                 |                       |               | SYLMAR CA 91342      |                                      |                     |

GRADE AND SPECIFICATIONS CARRIER - INDEPENDENT DISPATCH, INC  
 "ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE (APMS-12-M) (AMS 5595H)  
 (02/26/90 EXCEPTIONS TO APMS-12-M) (EMS-55419 REV B) (02/26/90 EXCEPTIONS TO EMS-55419) (ACES 1124-ARM 1)  
 (HMS 6-1007 REV B) (S-SPEC-1, S-1000 DATED 03/30/21) (02/26/90 EX. TO ACES 1124-ARM 1) (BMS 7-191C TYPE I)  
 (RBO170-119 AM 1) (02/26/90 EXCEPTIONS TO RBO170-119) (S-SPEC-35 S-400 DATED 8-1-19) (ASTM-A-666-15)  
 (01/05/11 EXCEPTIONS TO IDM-6206)

| ITEM                              | PCS | DIMENSIONS | W/G/L | HEAT #    | COIL #     | TEST #     | GROSS   | TARE  | NET   | THEO | TAG #/ | CD | SKID |
|-----------------------------------|-----|------------|-------|-----------|------------|------------|---------|-------|-------|------|--------|----|------|
| 001A                              | 44  | 48.        | ./    | .040/120. | 531510 -02 | AAD75420-A | 8892130 | 2876  | 2876  |      |        |    |      |
|                                   | 44  | 48.        | ./    | .040/120. | 531510 -02 | AAD75420-B | 8892130 | 2878  | 2878  |      |        |    |      |
|                                   | 44  | 48.        | ./    | .040/120. | 531510 -02 | AAD75420-C | 8892130 | 2866  | 2866  |      |        |    |      |
|                                   | 44  | 48.        | ./    | .040/120. | 531510 -02 | AAD75420-D | 8892130 | 2870  | 2870  |      |        |    |      |
|                                   | 49  | 48.        | ./    | .040/120. | 531510 -02 | AAD75420-E | 8892130 | 3206  | 3206  |      |        |    |      |
| C CUST IDENTITY 219.040X48X120LCS |     |            |       |           |            |            |         |       |       |      |        |    |      |
| 5 BNDLS                           |     |            |       |           |            |            |         | 14696 | 14696 |      |        |    |      |

TYPE HEAT/TEST (WT %) --C--- --MN-- --P--- --S--- --SI-- --CR-- --NI-- --MO-- --CU-- --N--- --FE--  
 HEAT 531510 -02 .023 8.84 .022 .001 .32 20.28 6.94 .15 .16 .31 BAL  
 TEST LOCATION TC TC TC TC TC TC TC TC TC TC TC  
 MELT METHOD: EF + AOD + ESR

| ITEM          | TEST NO | YIELD    |        | TENSILE |      | % ELONG | % R/A  | HARDNESS | BEND | CORROSION |      | ASTM | GRAIN | HARDENABILITY |
|---------------|---------|----------|--------|---------|------|---------|--------|----------|------|-----------|------|------|-------|---------------|
|               |         | PSI *    | PSI    | IN 2"   | A262 |         |        |          |      | E MOD     | SIZE |      |       |               |
| 001A          | 8892130 | T 68300. | 116900 | 49. #   | NR   | 94.HRBW | T PASS | PASS     | 10.  |           |      |      |       | NR            |
|               |         | T 71400. | 119700 | 48. #   |      | 95.HRBW | T PASS |          | 10.  |           |      |      |       |               |
| TEST LOCATION |         | TC       | TC     | TC      |      | TC      | TC     | TC       | TC   |           |      |      |       |               |

\* Y.S. BY 0.2% OFFSET METHOD

PAGE 01 - CONTINUED ON PAGE 02 REPRINT

11/22/22 15:50:35

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Noreen DeFerrari  
 Sr. Manager Quality, Corporate Quality Assurance

HEAT # 531510-02



TRACER # 0744077US

NOTICE OF SHIPMENT/  
PACKING LIST



Specialty Rolled Products

CERTIFICATE OF TEST

AL 6168-9 1221

|                          |                 |                    |               |                      |                   |                   |              |
|--------------------------|-----------------|--------------------|---------------|----------------------|-------------------|-------------------|--------------|
| CUST. ORD. NO. & DATE    | CUST. CODE      | FINISHING LOCATION | SHIPPER NO.   | PRODUCT CODE         | *** ENGLISH ***   | MILL ORDER NUMBER | DATE SHIPPED |
| 13622                    | 06/02/22A464105 | VANDERGRIFF, PA    | 497760        | 13010103060000       | 30-062-005        | 11/22/22          |              |
| FORMS DISTRIBUTION       | MG BILL         | REPEAT ORDER       | GOVT CONTRACT | MATL.                | SHIPPING LOCATION | INVOICE           |              |
| SOLD TO                  | L580625         | C7734-0            |               | 1159                 | SPARROWS POINT    | MD                | 651022 144   |
| SOLD TO                  |                 | PRIME SEC.         |               | SHIP TO              |                   |                   |              |
| HIGH TEMP METALS INC     |                 | DSO DSO            |               | HIGH TEMP METALS     |                   |                   |              |
| AKA HI-TEMP METALS INC   |                 | 10                 |               | 12500 FOOTHILL BLVD. |                   |                   |              |
| 12500 FOOTHILL BOULEVARD |                 |                    |               | SYLMAR               | CA 91342          |                   |              |
| SYLMAR                   | CA 91342        |                    |               |                      |                   |                   |              |

GRADE CARRIER - INDEPENDENT DISPATCH, INC  
"ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

|               |                        |            |            |
|---------------|------------------------|------------|------------|
| ITEM TEST NO  | MICRO -                | BMS 7-191C | PROFIL-RMS |
| 001A 8892130  | STRUCTURE              | INCLUSIONS | MICRO-INCH |
|               | T PASS                 | 0.00       | 10/11.     |
|               | T PASS                 |            | 7/7.       |
| TEST LOCATION | TC                     | TC         | TC         |
|               | INCLUSIONS E-45 METH A |            |            |
| ITEM TEST NO  | A                      | B          | C D        |
| 001A 8892130  | HVY 0.0                | 0.5        | 0.0 0.0    |
|               | THN 0.0                | 1.5        | 0.0 1.0    |
| TEST LOCATION | TC                     |            |            |

# ELONG AT FRACTURE

NR = DATA NOT REQUIRED  
METALLOGRAPHIC MAGNIFICATION: 100X ETCHANT USED: OXALIC ACID

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

THE FOLLOWING TEST METHODS ARE USED BY THE LISTED LAB: ASTM E8 FOR ALL SPECIMENS FOR YIELD, TENSILE, AND ELONGATION EXCEPT ISO 6892-1 FOR 80MM SPECIMENS; ASTM E290 FOR BEND (FOR NEW BEDFORD LABORATORY - TYPE 2 FREE BEND IS USED); ASTM E112 FOR GRAIN SIZE; ASTM E10, E18, E92, & E384 FOR HARDNESS; ASME B46.1 SECTION3 FOR SURFACE ROUGHNESS; AMS 2750 FOR LABORATORY HEAT TREATMENT; ASTM E139 FOR STRESS RUPTURE; ASTM E29 FOR ROUNDING; ASTM E3 AND E407 FOR METALLOGRAPHIC PREPARATION AND ETCHING.

PAGE 02 - CONTINUED ON PAGE 03 REPRINT

11/22/22 15:50:35

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Noreen DeFerrari  
Sr. Manager Quality, Corporate Quality Assurance

HEAT # 531510-02



TRACER # 0744077US

NOTICE OF SHIPMENT/  
PACKING LIST



Specialty Rolled Products

17960-3

CERTIFICATE OF TEST

AL 6168-9 1221

| CUST. ORD. NO. & DATE    | CUST. CODE      | FIN. SHIP. LOCATION | SHIPPER NO.          | PRODUCT CODE   | *** ENGLISH ***<br>MILL ORDER NUMBER | ***<br>DATE SHIPPED |
|--------------------------|-----------------|---------------------|----------------------|----------------|--------------------------------------|---------------------|
| 13622                    | 06/02/22A464105 | VANDERGRIFF, PA     | 497760               | 13010103060000 | 30-062-005                           | 11/22/22            |
| FORMS DISTRIBUTION       | MG BILL         | REPEAT ORDER        | GOVT CONTRACT        | MATL.          | SHIPPING LOCATION                    | INVOICE             |
| SOLD TO →                | L580625         | 07734-0 72          |                      | 1159           | SPARROWS POINT MD                    | 651022 144          |
| SOLD TO                  |                 | PRIME SEC.          | SHIP TO              |                |                                      |                     |
| HIGH TEMP METALS INC     |                 | DSO DSO             | HIGH TEMP METALS     |                |                                      |                     |
| AKA HI-TEMP METALS INC   |                 | 10                  | 12500 FOOTHILL BLVD. |                |                                      |                     |
| 12500 FOOTHILL BOULEVARD |                 |                     | SYLMAR CA 91342      |                |                                      |                     |
| SYLMAR CA 91342          |                 |                     |                      |                |                                      |                     |

GRADE CARRIER - INDEPENDENT DISPATCH, INC  
"ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

ATI FLAT ROLLED PRODUCTS PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES FOR TESTING LOCATIONS TC, BN, & LO: C & S BY COMBUSTION/INFRARED ABSORPTION PER ASTM E1019; N & O BY INERT FUSION/THERMAL CONDUCTIVITY PER ASTM E1019; MN, P, SI, CR, NI, MO, CU, CB(NB), CO, V, W BY WDXRF PER ASTM E572; PB, BI, AG, SE, SB BY GFAA PER ASTM E1184; AL AND TI (>=0.10%) BY WDXRF PER ASTM E572 OTHERWISE BY OES PER ASTM E1086; TA, ZN, MG, CD, CE, CA, ZR, LA BY ICP PER ASTM E1479.

EN 10204:2005 - 3.1 CERTIFICATE DOES NOT IMPLY THAT MATERIAL IS AN APPROVED PED GRADE. FOR A COMPLETE LISTING OF APPROVED PED GRADES, VISIT OUR WEBSITE AT WWW.ATIMATERIALS.COM.

THESE COMMODITIES OR TECHNOLOGY, WHEN EXPORTED FROM THE UNITED STATES, ARE IN ACCORDANCE WITH THE USA EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. U.S. LAW ALSO PROHIBITS DISPOSITION OF THESE COMMODITIES/TECHNICAL DATA TO ANY END-USER OR FOR ANY END-USE RELATED TO THE DESIGN, DEVELOPMENT, PRODUCTION, STOCKPILING, OR USE OF CHEMICAL, BIOLOGICAL, OR NUCLEAR WEAPONS, OR MISSILES, WITHOUT THE PROPER APPROVAL OF THE UNITED STATES GOVERNMENT.

ATI-FRP DEFINES THE GRAIN ORIENTATION NOMENCLATURE AS LONGITUDINAL (L) IS THE LENGTH, LONG TRANSVERSE (LT) IS THE WIDTH, AND SHORT TRANSVERSE (ST) IS THE THICKNESS OR GAUGE.

ATI FLAT ROLLED PRODUCTS HAS COMPLIED WITH ALL PRODUCER REQUIREMENTS OF AS6279.

ATI FLAT ROLLED PRODUCTS DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS.

MATERIAL IS OF USA MELT AND MANUFACTURE.

NO WELDS/WELD REPAIRS PERFORMED.

PAGE 03 - CONTINUED ON PAGE 04 REPRINT

11/22/22 15:50:35

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Noreen Delerran  
Sr. Manager Quality, Corporate Quality Assurance

HEAT # 531510-02



TRACER # 0744077US

NOTICE OF SHIPMENT/  
PACKING LIST



Specialty Rolled Products

17960-4

CERTIFICATE OF TEST

AL 6168-9 1221

|                                                                                                                                |                               |                                       |                       |                                                                        |                                                    |                                 |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------|-----------------------|------------------------------------------------------------------------|----------------------------------------------------|---------------------------------|
| CUST. ORD. NO. & DATE<br>13622                                                                                                 | CUST. CODE<br>06/02/22A464105 | FINISHING LOCATION<br>VANDERGRIFF, PA | SHIPPER NO.<br>497760 | PRODUCT CODE<br>13010103060000                                         | *** ENGLISH ***<br>MILL ORDER NUMBER<br>30-062-005 | ***<br>DATE SHIPPED<br>11/22/22 |
| FORMS DISTRIBUTION<br>SOLD TO<br>HIGH TEMP METALS INC<br>AKA HI-TEMP METALS INC<br>12500 FOOTHILL BOULEVARD<br>SYLMAR CA 91342 | MG BILL<br>L580625            | REPEAT ORDER<br>07734-0               | DO RATE<br>72         | GOVT CONTRACT<br>1159                                                  | SHIPPING LOCATION<br>SPARROWS POINT MD             | INVOICE<br>651022               |
|                                                                                                                                | PRIME SEC.<br>DSO DSO<br>10   |                                       |                       | SHIP TO<br>HIGH TEMP METALS<br>12500 FOOTHILL BLVD.<br>SYLMAR CA 91342 |                                                    | 144                             |

GRADE CARRIER - INDEPENDENT DISPATCH, INC  
"ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

ELEMENTS SUCH AS SULFUR, PHOSPHOROUS, BORON, AND RADIOACTIVE ELEMENTS MAY BE PRESENT AS RESIDUALS IN ANY GIVEN PRODUCT DUE TO THEIR COMMON OCCURENCE IN NATURE, BUT ARE NOT ADDED AS ALLOYING CONSTITUENTS UNLESS REQUIRED BY SPECIFICATION. MATERIAL IS PRODUCED WITHOUT CONTACT WITH LOW MELTING POINT CONTAMINANTS SUCH AS LEAD, ZINC, COPPER, AND TIN. CARBON STEEL CONTAMINATION IS MINIMIZED WHERE PRACTICABLE.

MATERIAL IS COMPLIANT WITH THE EUROPEAN UNION DIRECTIVES 2011/65/EU (ROHS2) AND 2015/863/EU (ROHS3) - RESTRICTION OF HAZARDOUS SUBSTANCES.

THIS CERTIFIED MATERIAL TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL STATUTE. ATI FRP HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI FRP QUALITY MANUAL REVISION 32 DATED 02/22/2022. FOR THE TESTING SPECIFICATION USED IN THE ANALYSIS OF THIS MATERIAL, PLEASE SEE THE SCOPE OF APPROVAL FOR NADCAP AND ISO/IEC 17025 FOR THE LABORATORIES. THE SCOPE OF THE APPROVALS CAN BE FOUND AT WWW.ATIMATERIALS.COM

ATI FLAT ROLLED PRODUCTS WORKS TO THE ROLLS ROYCE SABRE QUALITY MANAGEMENT SYSTEM REQUIREMENTS.

MATERIAL TESTED AT ATI FLAT ROLLED PRODUCTS GEAE S400 APPROVED FACILITIES (T1225 & T9317): NATRONA HEIGHTS, PA; BRACKENRIDGE, PA AND NEW BEDFORD, MA.

ATI FLAT ROLLED PRODUCTS HOLDS SEVERAL QUALITY AND LABORATORY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, AD 2000-MERKBLATT WO, EU PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU, NADCAP, ISO/EIC 17025, GEAE S400 (T1225 & T9317), GEAE S-1000. REFER TO WWW.ATIMATERIALS.COM TO ACCESS THE CURRENT ATI FRP QUALITY CERTIFICATIONS.

PAGE 04 - CONTINUED ON PAGE 05 REPRINT

11/22/22 15:50:35

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Noreen DeFerrari  
Sr. Manager Quality, Corporate Quality Assurance

HEAT # 531510-02



TRACER # 0744077US

NOTICE OF SHIPMENT/  
PACKING LIST



Specialty Rolled Products

179605

CERTIFICATE OF TEST

AL 6168-9 1221

| CUST. ORD. NO. & DATE    | CUST. CODE      | FINISHING LOCATION | SHIPPER NO.   | PRODUCT CODE         | *** ENGLISH ***<br>M.L.L. ORDER NUMBER | DATE SHIPPED |
|--------------------------|-----------------|--------------------|---------------|----------------------|----------------------------------------|--------------|
| 13622                    | 06/02/22A464105 | VANDERGRIFF, PA    | 497760        | 13010103060000       | 30-062-005                             | 11/22/22     |
| FORMS DISTRIBUTION       | MG BILL         | REPEAT ORDER       | GOVT CONTRACT | MAT'L                | SHIPPING LOCATION                      | INVOICE      |
| SOLD TO                  | L580625         | 07734-0            | 72            | 1159                 | SPARROWS POINT                         | MD 651022    |
| SHIP TO                  |                 | PRIME SEC.         |               |                      |                                        | 144          |
| SOLE TO                  |                 | DSO DSO            |               | SHIP TO              |                                        |              |
| HIGH TEMP METALS INC     |                 | 10                 |               | HIGH TEMP METALS     |                                        |              |
| AKA HI-TEMP METALS INC   |                 |                    |               | 12500 FOOTHILL BLVD. |                                        |              |
| 12500 FOOTHILL BOULEVARD |                 |                    |               | SYLMAR               | CA 91342                               |              |
| SYLMAR                   | CA 91342        |                    |               |                      |                                        |              |

GRADE CARRIER - INDEPENDENT DISPATCH, INC  
"ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

THE PRODUCT WAS SOLUTION TREATED AT TEMPERATURE NOT LOWER THAN 1900F (1038C), HELD AT THE SELECTED TEMPERATURE WITHIN +/-25F (+/-14C) FOR A TIME COMMENSURATE WITH THICKNESS, AND COOLED AT A RATE EQUIVALENT TO AIR COOL OR FASTER.

ATI FLAT ROLLED PRODUCTS HAS RECEIVED NADCAP APPROVAL FOR CHEMICAL, MECHANICAL, METALLOGRAPHIC, HARDNESS, CORROSION TESTING, MECHANICAL TEST SPECIMEN PREPARATION, AND HEAT TREATMENT OF SPECIMENS. VERIFICATION OF SCOPE AND ACCREDITATION IS AVAILABLE ONLINE.

EN 10204:2005 3.1 CERTIFICATE.

MATERIAL MEETS THE REQUIREMENTS OF PRATT & WHITNEY SPECIFICATIONS F-14 REVISION D, F-17 REVISION D, F-22 REVISION C, F-23 REVISION G, F-MASTER REVISION J.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:

LO = ATI FRP LATROBE; 242 ALLVAC LANE; LATROBE, PA 15650  
TC = ATI FRP NATRONA HEIGHTS; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

REISSUED BY ATI FLAT ROLLED PRODUCTS TO UPDATE THE CHEMISTRY ANALYSIS. - 01/09/2023 09:37/ln

PAGE 05 - FINAL PAGE.

REPRINT

\*\* METRIC TO FOLLOW

11/22/22 15:50:35

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Norren DeFerrari  
Sr. Manager Quality, Corporate Quality Assurance

HEAT # 531510-02



TRACER # 0744077US

**NOTICE OF SHIPMENT/  
PACKING LIST**



Specialty Rolled Products

15226-1

**CERTIFICATE OF TEST**

AL 6168-9 1221

|                                                                                                          |                               |                                       |                       |                                |                                                                        |                                 |
|----------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------|-----------------------|--------------------------------|------------------------------------------------------------------------|---------------------------------|
| CUST. ORD. NO. & DATE<br>13781                                                                           | CUST. CODE<br>08/02/22A464105 | FINISHING LOCATION<br>VANDERGRIFF, PA | SHIPPER NO.<br>500622 | PRODUCT CODE<br>13010103060000 | *** ENGLISH ***<br>MILL ORDER NUMBER<br>30-082-028                     | ***<br>DATE SHIPPED<br>01/26/23 |
| FORMS DISTRIBUTION<br>SOLD TO<br>MG BILL<br>L594793                                                      | REPEAT ORDER<br>07734-0       | DO RATE<br>72                         | GOVT CONTRACT         | MATL<br>1159                   | SHIPPING LOCATION<br>SPARROWS POINT MD                                 | INVOICE<br>652746               |
| SOLD TO<br>HIGH TEMP METALS INC<br>AKA HI-TEMP METALS INC<br>12500 FOOTHILL BOULEVARD<br>SYLMAR CA 91342 |                               |                                       | PRIME<br>DSO<br>10    | SEC.<br>DSO                    | SHIP TO<br>HIGH TEMP METALS<br>12500 FOOTHILL BLVD.<br>SYLMAR CA 91342 |                                 |

GRADE AND SPECIFICATIONS CARRIER - BUCHANAN HAULING&RIGGING  
 "ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE (APMS-12-M) (AMS 5595H)  
 (02/26/90 EXCEPTIONS TO APMS-12-M) (EMS-55419 REV B) (02/26/90 EXCEPTIONS TO EMS-55419) (ACES 1124-ARM 1)  
 (HMS 6-1007 REV B) (S-SPEC-1, S-1000 DATED 03/30/21) (02/26/90 EX. TO ACES 1124-ARM 1) (BMS 7-191C TYPE I)  
 (RBO170-119 AM 1) (02/26/90 EXCEPTIONS TO RBO170-119) (S-SPEC-35 S-400 DATED 2-18-21) (ASTM-A-666-15)  
 (01/05/11 EXCEPTIONS TO IDM-6206)

| ITEM                               | PCS | DIMENSIONS W/G/L | HEAT # | COIL #      | TEST #  | GROSS | TARE | NET  | THEO | TAG #/ | CD | SKID # |
|------------------------------------|-----|------------------|--------|-------------|---------|-------|------|------|------|--------|----|--------|
| 001                                | 35  | 48./0503/120.    | 864252 | AAD87221-BA | 8893224 | 3007  | 125  | 2882 |      |        |    |        |
|                                    | 35  | 48./0503/120.    | 864252 | AAD87221-BB | 8893224 | 2986  | 125  | 2861 |      |        |    |        |
|                                    | 34  | 48./0503/120.    | 864252 | AAD87221-BC | 8893224 | 2934  | 125  | 2809 |      |        |    |        |
| C CUST IDENTITY 219.0503X48X120LCS |     |                  |        |             |         | 8927  | 375  | 8552 |      |        |    |        |
| 3 SKIDS                            |     |                  |        |             |         |       |      |      |      |        |    |        |

| TYPE          | HEAT/TEST (WT %) | --C-- | --MN-- | --P-- | --S-- | --SI-- | --CR-- | --NI-- | --MO-- | --CU-- | --N-- | --FE-- |
|---------------|------------------|-------|--------|-------|-------|--------|--------|--------|--------|--------|-------|--------|
| HEAT          | 864252           | .024  | 9.07   | .024  | .0001 | .32    | 20.04  | 7.05   | .28    | .18    | .32   | BAL    |
| TEST LOCATION |                  | BN    | BN     | BN    | BN    | BN     | BN     | BN     | BN     | BN     | BN    |        |

MELT METHOD: EF + AOD

| ITEM          | TEST NO | YIELD<br>PSI * | TENSILE<br>PSI | % ELONG<br>IN 2" % R/A | HARDNESS | BEND   | CORROSION<br>A262 E MOD | ASTM<br>SIZE | GRAIN | HARDENABILITY |
|---------------|---------|----------------|----------------|------------------------|----------|--------|-------------------------|--------------|-------|---------------|
| 001           | 8893224 | T 71200.       | 119500         | 48. # NR               | 96.HRBW  | T PASS | PASS                    | 10.          |       | NR            |
|               |         | T 71300.       | 118100         | 45. #                  | 96.HRBW  | T PASS |                         | 10.          |       |               |
| TEST LOCATION |         | TC             | TC             | TC                     | TC       | TC     | TC                      | TC           |       |               |

\* Y.S. BY 0.2% OFFSET METHOD

PAGE 01 - CONTINUED ON PAGE 02

01/26/23 08:21:42

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Noreen DeFerrari -  
 Sr. Manager Quality, Corporate Quality Assurance

HEAT # 864252



TRACER # 0744078US

**NOTICE OF SHIPMENT/  
PACKING LIST**



Specialty Rolled Products

15226-2

**CERTIFICATE OF TEST**

AL 6168-9 1221

|                                |                                                     |                                                         |                                                                                                              |                                        |                                                                                                                                          |                                                                      |                                            |
|--------------------------------|-----------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------|
| CUST. ORD. NO. & DATE<br>13781 | FORMS DISTRIBUTION<br>SOLD TO<br>SHIP TO<br>SPEC TO | CUST. CODE<br>08/02/22<br>A464105<br>MG BILL<br>L594793 | FINISHING LOCATION<br>VANDERGRIFT, PA<br>REPEAT ORDER<br>DO RATE<br>PRI ORITY<br>PRIME SEC.<br>DSO DSO<br>10 | SHIPPER NO.<br>500622<br>GOVT CONTRACT | PRODUCT CODE<br>13010103060000<br>MATL.<br>1159 SPARROWS POINT<br>SHIP TO<br>HIGH TEMP METALS<br>12500 FOOTHILL BLVD.<br>SYLMAR CA 91342 | MILL ORDER NUMBER<br>30-082-028<br>SHIPPING LOCATION<br>MD<br>652746 | DATE SHIPPED<br>01/26/23<br>INVOICE<br>144 |
|--------------------------------|-----------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------|

GRADE CARRIER - BUCHANAN HAULING&RIGGING  
"ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

|               |                        |                       |
|---------------|------------------------|-----------------------|
| ITEM TEST NO  | MICRO -                | BMS 7-191C PROFIL-RMS |
| 001 8893224   | STRUCTURE              | INCLUSIONS MICRO-INCH |
|               | T PASS                 | 0.18 7/8.             |
|               | T PASS                 | 7/9.                  |
| TEST LOCATION | TC                     | TC                    |
|               | INCLUSIONS E-45 METH A |                       |
| ITEM TEST NO  | A                      | B C D                 |
| 001 8893224   | HVY 0.0                | 0.0 0.0 0.0           |
|               | THN 0.0                | 1.8 0.0 1.0           |
| TEST LOCATION | TC                     |                       |

# ELONG AT FRACTURE

NR = DATA NOT REQUIRED  
METALLOGRAPHIC MAGNIFICATION: 100X ETCHANT USED: OXALIC ACID

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

THE FOLLOWING TEST METHODS ARE USED BY THE LISTED LAB: ASTM E8 FOR ALL SPECIMENS FOR YIELD, TENSILE, AND ELONGATION EXCEPT ISO 6892-1 FOR 80MM SPECIMENS; ASTM E290 FOR BEND (FOR NEW BEDFORD LABORATORY - TYPE 2 FREE BEND IS USED), ASTM E112 FOR GRAIN SIZE; ASTM E10, E18, E92, & E384 FOR HARDNESS; ASME B46.1 SECTION 3 FOR SURFACE ROUGHNESS; AMS 2750 FOR LABORATORY HEAT TREATMENT; ASTM E139 FOR STRESS RUPTURE; ASTM E29 FOR ROUNDING; ASTM E3 AND E407 FOR METALLOGRAPHIC PREPARATION AND ETCHING.

PAGE 02 - CONTINUED ON PAGE 03

01/26/23 08:21:42

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Noreen DeFerrari - Sr. Manager Quality, Corporate Quality Assurance

HEAT # 864252



TRACER # 0744078US

NOTICE OF SHIPMENT/  
PACKING LIST



Specialty Rolled Products

15226-3

CERTIFICATE OF TEST

AL 6168-9 1221

|                                                                                                          |                               |                                       |                                                                        |                                |                                                    |                                 |
|----------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------|------------------------------------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------|
| CUST. ORD. NO. & DATE<br>13781                                                                           | CUST. CODE<br>08/02/22A464105 | FINISHING LOCATION<br>VANDERGRIFF, PA | SHIPPER NO.<br>500622                                                  | PRODUCT CODE<br>13010103060000 | *** ENGLISH ***<br>MILL ORDER NUMBER<br>30-082-028 | ***<br>DATE SHIPPED<br>01/26/23 |
| FORMS DISTRIBUTION<br>SOLD TO<br>SHIP TO<br>SPEC                                                         | MG BILL<br>L594793            | REPEAT ORDER<br>07734-0               | GOVT CONTRACT                                                          | MATL<br>1159                   | SHIPPING LOCATION<br>SPARROWS POINT MD             | INVOICE<br>652746 144           |
| SOLD TO<br>HIGH TEMP METALS INC<br>AKA HI-TEMP METALS INC<br>12500 FOOTHILL BOULEVARD<br>SYLMAR CA 91342 |                               | PRIME SEC.<br>DSO DSO<br>10           | SHIP TO<br>HIGH TEMP METALS<br>12500 FOOTHILL BLVD.<br>SYLMAR CA 91342 |                                |                                                    |                                 |

GRADE CARRIER - BUCHANAN HAULING&RIGGING  
"ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

ATI FLAT ROLLED PRODUCTS PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES FOR TESTING LOCATIONS TC, BN, & LO: C & S BY COMBUSTION/INFRARED ABSORPTION PER ASTM E1019; N & O BY INERT FUSION/THERMAL CONDUCTIVITY PER ASTM E1019; MN, P, SI, CR, NI, MO, CU, CB(NB), CO, V, W BY WDXRF PER ASTM E572; PB, BI, AG, SE, SB BY GFAA PER ASTM E1184; AL AND TI (>=0.10%) BY WDXRF PER ASTM E572 OTHERWISE BY OES PER ASTM E1086; TA, ZN, MG, CD, CE, CA, ZR, LA BY ICP PER ASTM E1479.

EN 10204:2005 - 3.1 CERTIFICATE DOES NOT IMPLY THAT MATERIAL IS AN APPROVED PED GRADE. FOR A COMPLETE LISTING OF APPROVED PED GRADES, VISIT OUR WEBSITE AT WWW.ATIMATERIALS.COM.

THESE COMMODITIES OR TECHNOLOGY, WHEN EXPORTED FROM THE UNITED STATES, ARE IN ACCORDANCE WITH THE USA EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. U.S. LAW ALSO PROHIBITS DISPOSITION OF THESE COMMODITIES/TECHNICAL DATA TO ANY END-USER OR FOR ANY END-USE RELATED TO THE DESIGN, DEVELOPMENT, PRODUCTION, STOCKPILING, OR USE OF CHEMICAL, BIOLOGICAL, OR NUCLEAR WEAPONS, OR MISSILES, WITHOUT THE PROPER APPROVAL OF THE UNITED STATES GOVERNMENT.

ATI-SRP DEFINES THE GRAIN ORIENTATION NOMENCLATURE AS LONGITUDINAL (L) IS THE LENGTH, LONG TRANSVERSE (LT) IS THE WIDTH, AND SHORT TRANSVERSE (ST) IS THE THICKNESS OR GAUGE.

ATI FLAT ROLLED PRODUCTS HAS COMPLIED WITH ALL PRODUCER REQUIREMENTS OF AS6279.

ATI FLAT ROLLED PRODUCTS DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS.

MATERIAL IS OF USA MELT AND MANUFACTURE.

NO WELDS/WELD REPAIRS PERFORMED.

PAGE 03 - CONTINUED ON PAGE 04

01/26/23 08:21:42

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Noreen DeFerrari  
Sr. Manager Quality, Corporate Quality Assurance

HEAT # 864252



TRACER # 0744078US


**ATI**  
 Specialists

15226-4

## A1 6168-9 1221

TRACER # 0744078US

NOTICE OF SHIPMENT/  
PACKING LIST



Specialty Rolled Products

15226-5

CERTIFICATE OF TEST

AL 6168-9 1221

| CUST. ORD. NO. & DATE | CUST. CODE      | FINISHING LOCATION | SHIPPER NO.   | PRODUCT CODE         | *** ENGLISH ***<br>M.L. ORDER NUMBER | ***<br>DATE SHIPPED |
|-----------------------|-----------------|--------------------|---------------|----------------------|--------------------------------------|---------------------|
| 13781                 | 08/02/22A464105 | VANDERGRIFT, PA    | 500622        | 13010103060000       | 30-082-028                           | 01/26/23            |
| FORMS DISTRIBUTION    | MG BILL         | REPEAT ORDER       | GOVT CONTRACT | MATL                 | SHIPPING LOCATION                    | INVOICE             |
| SOLD TO<br>→          | L594793         | 07734-0 72         |               | 1159                 | SPARROWS POINT MD                    | 652746 144          |
| SHIP TO<br>→          |                 | PRIME SEC.         |               | SHIP TO              |                                      |                     |
| SPEC<br>→             |                 | DSO DSO            |               | HIGH TEMP METALS     |                                      |                     |
|                       |                 | 10                 |               | 12500 FOOTHILL BLVD. |                                      |                     |
|                       |                 |                    |               | SYLMAR               | CA 91342                             |                     |
|                       |                 |                    |               |                      |                                      |                     |

GRADE CARRIER - BUCHANAN HAULING&RIGGING  
"ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

ATI FLAT ROLLED PRODUCTS HAS RECEIVED NADCAP APPROVAL FOR CHEMICAL, MECHANICAL, METALLOGRAPHIC, HARDNESS, CORROSION TESTING, MECHANICAL TEST SPECIMEN PREPARATION, AND HEAT TREATMENT OF SPECIMENS. VERIFICATION OF SCOPE AND ACCREDITATION IS AVAILABLE ONLINE.

EN 10204:2005 3.1 CERTIFICATE.

MATERIAL MEETS THE REQUIREMENTS OF PRATT & WHITNEY SPECIFICATIONS F-14 REVISION D, F-17 REVISION D, F-22 REVISION C, F-23 REVISION G, F-MASTER REVISION J.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:

BN = ATI FRP BRACKENRIDGE; 100 RIVER ROAD; BRACKENRIDGE, PA 15014  
TC = ATI FRP NATRONA HEIGHTS; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

<<<<<<< FOR ACCESS TO ONLINE CERTIFICATES OF TEST >>>>>>>  
<<<<<<< REGISTER AT MYATI.ATIMETALS.COM >>>>>>>

PAGE 05 - FINAL PAGE.

\*\* METRIC TO FOLLOW

01/26/23 08:21:42

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Noreen Deferrari  
Sr. Manager Quality, Corporate Quality Assurance

HEAT # 864252



TRACER # 0744078US

NOTICE OF SHIPMENT/  
PACKING LIST



ATI 17960-1  
Specialty Rolled Products

CERTIFICATE OF TEST

AL 6168-9 1221

|                                                                                               |                               |                                       |                       |                                                             |                                                    |                                 |
|-----------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------|-----------------------|-------------------------------------------------------------|----------------------------------------------------|---------------------------------|
| CUST. ORD. NO. & DATE<br>13622                                                                | CUST. CODE<br>06/02/22A464105 | FINISHING LOCATION<br>VANDERGRIFF, PA | SHIPPER NO.<br>497760 | PRODUCT CODE<br>13010103060000                              | *** ENGLISH ***<br>MILL ORDER NUMBER<br>30-062-005 | ***<br>DATE SHIPPED<br>11/22/22 |
| FORMS DISTRIBUTION<br>SOLD TO<br>MG BILL<br>L580625                                           | REPEAT ORDER<br>07734-0       | DO RATE<br>72                         | PR. ORITY<br>SEC.     | GOVT CONTRACT<br>SHIP TO<br>1159 SPARROWS POINT MD          | INVOICE<br>651022                                  | 144                             |
| HIGH TEMP METALS INC<br>AKA HI-TEMP METALS INC<br>12500 FOOTHILL BOULEVARD<br>SYLMAR CA 91342 |                               | DSO DSO<br>10                         |                       | HIGH TEMP METALS<br>12500 FOOTHILL BLVD.<br>SYLMAR CA 91342 |                                                    |                                 |

GRADE AND SPECIFICATIONS CARRIER - INDEPENDENT DISPATCH, INC  
"ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE (APMS-12-M) (AMS 5595H)  
(02/26/90 EXCEPTIONS TO APMS-12-M) (EMS-55419 REV B) (02/26/90 EXCEPTIONS TO EMS-55419) (ACES 1124-ARM 1)  
(HMS 6-1007 REV B) (S-SPEC-1, S-1000 DATED 03/30/21) (02/26/90 EX. TO ACES 1124-ARM 1) (BMS 7-191C TYPE I)  
(RBO170-119 AM 1) (02/26/90 EXCEPTIONS TO RBO170-119) (S-SPEC-35 S-400 DATED 8-1-19) (ASTM-A-666-15)  
(01/05/11 EXCEPTIONS TO IDM-6206)

| ITEM PCS                          | DIMENSIONS W/G/L | HEAT #     | COIL #     | TEST #  | GROSS TARE NET | THEO TAG #/ CD SKID |
|-----------------------------------|------------------|------------|------------|---------|----------------|---------------------|
| 001A 44                           | 48./ .040/120.   | 531510 -02 | AAD75420-A | 8892130 | 2876 2876      |                     |
| 44                                | 48./ .040/120.   | 531510 -02 | AAD75420-B | 8892130 | 2878 2878      |                     |
| 44                                | 48./ .040/120.   | 531510 -02 | AAD75420-C | 8892130 | 2866 2866      |                     |
| 44                                | 48./ .040/120.   | 531510 -02 | AAD75420-D | 8892130 | 2870 2870      |                     |
| 49                                | 48./ .040/120.   | 531510 -02 | AAD75420-E | 8892130 | 3206 3206      |                     |
| C CUST IDENTITY 219.040X48X120LCS |                  |            |            |         | 14696          | 14696               |
| 5 BNDLS                           |                  |            |            |         |                |                     |

TYPE HEAT/TEST (WT %) --C--- --MN-- --P--- --S--- --SI-- --CR-- --NI-- --MO-- --CU-- --N--- --FE--  
HEAT 531510 -02 .023 8.84 .022 .001 .32 20.28 6.94 .15 .16 .31 BAL  
TEST LOCATION TC TC TC TC TC TC TC TC TC TC TC  
MELT METHOD: EF + AOD + ESR

| ITEM TEST NO  | YIELD PSI * | TENSILE PSI | % ELONG IN 2" | % R/A | HARDNESS | BEND   | A262 E MOD | ASTM GRAIN SIZE | HARDENABILITY |
|---------------|-------------|-------------|---------------|-------|----------|--------|------------|-----------------|---------------|
| 001A 8892130  | T 68300.    | 116900      | 49. #         | NR    | 94.HRBW  | T PASS | PASS       | 10.             | NR            |
|               | T 71400.    | 119700      | 48. #         |       | 95.HRBW  | T PASS |            | 10.             |               |
| TEST LOCATION | TC          | TC          | TC            |       | TC       | TC     | TC         | TC              |               |

\* Y.S. BY 0.2% OFFSET METHOD

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11/22/22 15:50:35

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Noreen Deferari  
Sr. Manager Quality, Corporate Quality Assurance

HEAT # 531510-02



TRACER # 0744077US

NOTICE OF SHIPMENT/  
PACKING LIST



Specialty Rolled Products

CERTIFICATE OF TEST

AL 6168-9 1221

|                                                                                               |                               |                                       |                                                             |                                |                                                    |                                 |
|-----------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------|-------------------------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------|
| CUST. ORD. NO. & DATE<br>13622                                                                | CUST. CODE<br>06/02/22A464105 | FINISHING LOCATION<br>VANDERGRIFF, PA | SHIPPER NO.<br>497760                                       | PRODUCT CODE<br>13010103060000 | *** ENGLISH ***<br>MILL ORDER NUMBER<br>30-062-005 | ***<br>DATE SHIPPED<br>11/22/22 |
| FORMS DISTRIBUTION<br>SOLD TO<br>SHIP TO<br>SPEC TO                                           | MG BILL<br>L580625            | REPEAT ORDER<br>7734-0                | DO RATE<br>72                                               | PRI ORITY                      | SHIPPING LOCATION<br>1159 SPARROWS POINT MD        | INVOICE<br>651022 144           |
| HIGH TEMP METALS INC<br>AKA HI-TEMP METALS INC<br>12500 FOOTHILL BOULEVARD<br>SYLMAR CA 91342 |                               |                                       | HIGH TEMP METALS<br>12500 FOOTHILL BLVD.<br>SYLMAR CA 91342 |                                |                                                    |                                 |

GRADE "ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE CARRIER - INDEPENDENT DISPATCH, INC

|               |                        |                       |
|---------------|------------------------|-----------------------|
| ITEM TEST NO  | MICRO -                | BMS 7-191C PROFIL-RMS |
| 001A 8892130  | STRUCTURE              | INCLUSIONS MICRO-INCH |
|               | T PASS                 | 0.00 10/11.           |
|               | T PASS                 | 7/7.                  |
| TEST LOCATION | TC                     | TC                    |
|               | INCLUSIONS E-45 METH A |                       |
|               | A                      | B C D                 |
| ITEM TEST NO  | HVY 0.0                | 0.5 0.0 0.0           |
| 001A 8892130  | THN 0.0                | 1.5 0.0 1.0           |
| TEST LOCATION | TC                     |                       |

# ELONG AT FRACTURE

NR = DATA NOT REQUIRED  
METALLOGRAPHIC MAGNIFICATION: 100X ETCHANT USED: OXALIC ACID

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

THE FOLLOWING TEST METHODS ARE USED BY THE LISTED LAB: ASTM E8 FOR ALL SPECIMENS FOR YIELD, TENSILE, AND ELONGATION EXCEPT ISO 6892-1 FOR 80MM SPECIMENS; ASTM E290 FOR BEND (FOR NEW BEDFORD LABORATORY - TYPE 2 FREE BEND IS USED); ASTM E112 FOR GRAIN SIZE; ASTM E10, E18, E92, & E384 FOR HARDNESS; ASME B46.1 SECTION3 FOR SURFACE ROUGHNESS; AMS 2750 FOR LABORATORY HEAT TREATMENT; ASTM E139 FOR STRESS RUPTURE; ASTM E29 FOR ROUNDING; ASTM E3 AND E407 FOR METALLOGRAPHIC PREPARATION AND ETCHING.

PAGE 02 - CONTINUED ON PAGE 03 REPRINT

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Sr. Manager Quality, Corporate Quality Assurance

HEAT # 531510-02



TRACER # 0744077US

NOTICE OF SHIPMENT/  
PACKING LIST



Specialty Rolled Products

17960-3

CERTIFICATE OF TEST

AL 6168-9 1221

| CUST. ORD. NO. & DATE                                                                                    | CUST. CODE         | FIN SHIPING LOCATION        | SHIPPER NO.                                                            | PRODUCT CODE   | *** ENGLISH ***<br>MILL ORDER NUMBER | DATE SHIPPED         |
|----------------------------------------------------------------------------------------------------------|--------------------|-----------------------------|------------------------------------------------------------------------|----------------|--------------------------------------|----------------------|
| 13622                                                                                                    | 06/02/22A464105    | VANDERGRIFF, PA             | 497760                                                                 | 13010103060000 | 30-062-005                           | 11/22/22             |
| FORMS DISTRIBUTION<br>SOLD TO →                                                                          | MG BILL<br>L580625 | REPEAT ORDER<br>07734-0     | GOVT CONTRACT                                                          | MAT'L<br>1159  | SHIPPING LOCATION<br>SPARROWS POINT  | INVOICE<br>MD 651022 |
| SOLD TO<br>HIGH TEMP METALS INC<br>AKA HI-TEMP METALS INC<br>12500 FOOTHILL BOULEVARD<br>SYLMAR CA 91342 |                    | PRIME SEC.<br>DSO DSO<br>10 | SHIP TO<br>HIGH TEMP METALS<br>12500 FOOTHILL BLVD.<br>SYLMAR CA 91342 |                | 144                                  |                      |

GRADE CARRIER - INDEPENDENT DISPATCH, INC  
"ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

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PAGE 03 - CONTINUED ON PAGE 04 REPRINT

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Sr. Manager Quality, Corporate Quality Assurance

HEAT # 531510-02



TRACER # 0744077US

NOTICE OF SHIPMENT/  
PACKING LIST



ATI 17960-4  
Specialty Rolled Products

CERTIFICATE OF TEST

AL 6168-9 1221

|                                                                                                                                |                               |                                       |                                |                                |                                                    |                                 |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------|--------------------------------|--------------------------------|----------------------------------------------------|---------------------------------|
| CUST. ORD. NO. & DATE<br>13622                                                                                                 | CUST. CODE<br>06/02/22A464105 | FINISHING LOCATION<br>VANDERGRIFF, PA | SHIPPER NO.<br>497760          | PRODUCT CODE<br>13010103060000 | *** ENGLISH ***<br>M.L. ORDER NUMBER<br>30-062-005 | ***<br>DATE SHIPPED<br>11/22/22 |
| FORMS DISTRIBUTION<br>SOLD TO<br>HIGH TEMP METALS INC<br>AKA HI-TEMP METALS INC<br>12500 FOOTHILL BOULEVARD<br>SYLMAR CA 91342 | MG BILL<br>L580625            | REPEAT ORDER<br>07734-0               | GOVT CONTRACT<br>DO RATE<br>72 | MATL<br>1159                   | SHIPPING LOCATION<br>SPARROWS POINT MD             | INVOICE<br>651022 144           |
| SHIP TO<br>HIGH TEMP METALS<br>12500 FOOTHILL BLVD.<br>SYLMAR CA 91342                                                         |                               |                                       |                                |                                |                                                    |                                 |

GRADE CARRIER - INDEPENDENT DISPATCH, INC  
"ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

ELEMENTS SUCH AS SULFUR, PHOSPHOROUS, BORON, AND RADIOACTIVE ELEMENTS MAY BE PRESENT AS RESIDUALS IN ANY GIVEN PRODUCT DUE TO THEIR COMMON OCCURENCE IN NATURE, BUT ARE NOT ADDED AS ALLOYING CONSTITUENTS UNLESS REQUIRED BY SPECIFICATION. MATERIAL IS PRODUCED WITHOUT CONTACT WITH LOW MELTING POINT CONTAMINANTS SUCH AS LEAD, ZINC, COPPER, AND TIN. CARBON STEEL CONTAMINATION IS MINIMIZED WHERE PRACTICABLE.

MATERIAL IS COMPLIANT WITH THE EUROPEAN UNION DIRECTIVES 2011/65/EU (ROHS2) AND 2015/863/EU (ROHS3) - RESTRICTION OF HAZARDOUS SUBSTANCES.

THIS CERTIFIED MATERIAL TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL STATUTE. ATI FRP HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI FRP QUALITY MANUAL REVISION 32 DATED 02/22/2022. FOR THE TESTING SPECIFICATION USED IN THE ANALYSIS OF THIS MATERIAL, PLEASE SEE THE SCOPE OF APPROVAL FOR NADCAP AND ISO/IEC 17025 FOR THE LABORATORIES. THE SCOPE OF THE APPROVALS CAN BE FOUND AT WWW.ATIMATERIALS.COM

ATI FLAT ROLLED PRODUCTS WORKS TO THE ROLLS ROYCE SABRE QUALITY MANAGEMENT SYSTEM REQUIREMENTS.

MATERIAL TESTED AT ATI FLAT ROLLED PRODUCTS GEAE S400 APPROVED FACILITIES (T1225 & T9317):  
NATRONA HEIGHTS, PA; BRACKENRIDGE, PA AND NEW BEDFORD, MA.

ATI FLAT ROLLED PRODUCTS HOLDS SEVERAL QUALITY AND LABORATORY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, AD 2000-MERKBLATT WO, EU PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU, NADCAP, ISO/IEC 17025, GEAE S400 (T1225 & T9317), GEAE S-1000. REFER TO WWW.ATIMATERIALS.COM TO ACCESS THE CURRENT ATI FRP QUALITY CERTIFICATIONS.

PAGE 04 - CONTINUED ON PAGE 05 REPRINT

11/22/22 15:50:35

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Noreen DeFerrari -  
Sr. Manager Quality, Corporate Quality Assurance

HEAT # 531510-02



TRACER # 0744077US

NOTICE OF SHIPMENT/  
PACKING LIST



Specialty Rolled Products

CERTIFICATE OF TEST

AL 6166-9 1221

|                          |                  |                    |                      |                |                   |                   |              |
|--------------------------|------------------|--------------------|----------------------|----------------|-------------------|-------------------|--------------|
| CUST. ORD. NO. & DATE    | CUST. CODE       | FINISHING LOCATION | SHIPPER NO.          | PRODUCT CODE   | *** ENGLISH ***   | MILL ORDER NUMBER | DATE SHIPPED |
| 13622                    | 06/02/22 A464105 | VANDERGRIFT, PA    | 497760               | 13010103060000 | 30-062-005        | 11/22/22          |              |
| FORMS DISTRIBUTION       | MG BILL          | REPEAT ORDER       | GOVT CONTRACT        | MATL.          | SHIPPING LOCATION | INVOICE           |              |
| SOLD TO                  | L580625          | 07734-0            |                      | 1159           | SPARROWS POINT    | MD                | 651022 144   |
| SOLD TO                  |                  | PRIME SEC.         | SHIP TO              |                |                   |                   |              |
| HIGH TEMP METALS INC     |                  | DSO DSO            | SHIP TO              |                |                   |                   |              |
| AKA HI-TEMP METALS INC   |                  | 10                 | HIGH TEMP METALS     |                |                   |                   |              |
| 12500 FOOTHILL BOULEVARD |                  |                    | 12500 FOOTHILL BLVD. |                |                   |                   |              |
| SYLMAR CA 91342          |                  |                    | SYLMAR CA 91342      |                |                   |                   |              |

GRADE CARRIER - INDEPENDENT DISPATCH, INC  
"ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

THE PRODUCT WAS SOLUTION TREATED AT TEMPERATURE NOT LOWER THAN 1900F (1038C), HELD AT THE SELECTED TEMPERATURE WITHIN +/-25F (+/-14C) FOR A TIME COMMENSURATE WITH THICKNESS, AND COOLED AT A RATE EQUIVALENT TO AIR COOL OR FASTER.

ATI FLAT ROLLED PRODUCTS HAS RECEIVED NADCAP APPROVAL FOR CHEMICAL, MECHANICAL, METALLOGRAPHIC, HARDNESS, CORROSION TESTING, MECHANICAL TEST SPECIMEN PREPARATION, AND HEAT TREATMENT OF SPECIMENS. VERIFICATION OF SCOPE AND ACCREDITATION IS AVAILABLE ONLINE.

EN 10204:2005 3.1 CERTIFICATE.

MATERIAL MEETS THE REQUIREMENTS OF PRATT & WHITNEY SPECIFICATIONS F-14 REVISION D, F-17 REVISION D, F-22 REVISION C, F-23 REVISION G, F-MASTER REVISION J.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:

LO = ATI FRP LATROBE; 242 ALLVAC LANE; LATROBE, PA 15650  
TC = ATI FRP NATRONA HEIGHTS; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

REISSUED BY ATI FLAT ROLLED PRODUCTS TO UPDATE THE CHEMISTRY ANALYSIS. 01/09/2023 09:37/ln

PAGE 05 - FINAL PAGE.

REPRINT

\*\* METRIC TO FOLLOW

11/22/22 15:50:35

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Norcen Delengri  
Sr. Manager Quality, Corporate Quality Assurance

FEAT # 531510-02



TRACER # 0744077US

**NOTICE OF SHIPMENT/  
PACKING LIST**



Specialty Rolled Products

15226-1

**CERTIFICATE OF TEST**

AL 6168-9 1221

|                                                                                                          |                                |                                       |                             |                                                                        |                                                    |                                 |
|----------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------|-----------------------------|------------------------------------------------------------------------|----------------------------------------------------|---------------------------------|
| CUST. ORD. NO. & DATE<br>13781                                                                           | CUST. CODE<br>08/02/22 4464105 | FINISHING LOCATION<br>VANDERGRIFF, PA | SHIPPER NO.<br>500622       | PRODUCT CODE<br>13010103060000                                         | *** ENGLISH ***<br>MILL ORDER NUMBER<br>30-082-028 | ***<br>DATE SHIPPED<br>01/26/23 |
| FORMS DISTRIBUTION<br>SOLD TO<br>SHIP TO<br>SPEC                                                         | MG BILL<br>L594793             | REPEAT ORDER<br>07734-0               | DO RATE<br>72               | GOVT CONTRACT                                                          | SHIPPING LOCATION<br>1159 SPARROWS POINT MD        | INVOICE<br>652746               |
| SOLD TO<br>HIGH TEMP METALS INC<br>AKA HI-TEMP METALS INC<br>12500 FOOTHILL BOULEVARD<br>SYLMAR CA 91342 |                                |                                       | PRIME SEC.<br>DSO DSO<br>10 | SHIP TO<br>HIGH TEMP METALS<br>12500 FOOTHILL BLVD.<br>SYLMAR CA 91342 |                                                    |                                 |

GRADE AND SPECIFICATIONS CARRIER - BUCHANAN HAULING&RIGGING  
 "ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE (APMS-12-M) (AMS 5595H)  
 (02/26/90 EXCEPTIONS TO APMS-12-M) (EMS-55419 REV B) (02/26/90 EXCEPTIONS TO EMS-55419) (ACES 1124-ARM 1)  
 (HMS 6-1007 REV B) (S-SPEC-1, S-1000 DATED 03/30/21) (02/26/90 EX. TO ACES 1124-ARM 1) (BMS 7-191C TYPE I)  
 (RBO170-119 AM 1) (02/26/90 EXCEPTIONS TO RBO170-119) (S-SPEC-35 S-400 DATED 2-18-21) (ASTM-A-666-15)  
 (01/05/11 EXCEPTIONS TO IDM-6206)

| ITEM                               | PCS | DIMENSIONS | W/G/L      | HEAT # | COIL #      | TEST #  | GROSS | TARE | NET  | THEO | TAG #/ | CD | SKID # |
|------------------------------------|-----|------------|------------|--------|-------------|---------|-------|------|------|------|--------|----|--------|
| 001                                | 35  | 48./.      | .0503/120. | 864252 | AAD87221-BA | 8893224 | 3007  | 125  | 2882 |      |        |    |        |
|                                    | 35  | 48./.      | .0503/120. | 864252 | AAD87221-BB | 8893224 | 2986  | 125  | 2861 |      |        |    |        |
|                                    | 34  | 48./.      | .0503/120. | 864252 | AAD87221-BC | 8893224 | 2934  | 125  | 2809 |      |        |    |        |
| C CUST IDENTITY 219.0503X48X120LCS |     |            |            |        |             |         | 8927  | 375  | 8552 |      |        |    |        |
| 3 SKIDS                            |     |            |            |        |             |         |       |      |      |      |        |    |        |

| TYPE          | HEAT/TEST | (WT %) | --C--- | --MN-- | --P--- | --S--- | --SI-- | --CR-- | --NI-- | --MO-- | --CU-- | --N--- | --FE-- |
|---------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| HEAT          | 864252    |        | .024   | 9.07   | .024   | .0001  | .32    | 20.04  | 7.05   | .28    | .18    | .32    | BAL    |
| TEST LOCATION |           |        | BN     | BN     | BN     | BN     | BN     | BN     | BN     | BN     | BN     | BN     |        |

MELT METHOD: EF + AOD

| ITEM          | TEST NO | YIELD TENSILE % ELONG |        |       |       | HARDNESS | BEND   | CORROSION ASTM GRAIN |     |      | HARDENABILITY |
|---------------|---------|-----------------------|--------|-------|-------|----------|--------|----------------------|-----|------|---------------|
|               |         | PSI *                 | PSI    | IN 2" | % R/A |          |        | A262 E               | MOD | SIZE |               |
| 001           | 8893224 | T 71200.              | 119500 | 48. # | NR    | 96.HRBW  | T PASS | PASS                 | 10. |      | NR            |
|               |         | T 71300.              | 118100 | 45. # |       | 96.HRBW  | T PASS |                      | 10. |      |               |
| TEST LOCATION |         | TC                    | TC     | TC    |       | TC       | TC     | TC                   | TC  |      |               |

\* Y.S. BY 0.2% OFFSET METHOD

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01/26/23 08:21:42

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Noreen Delerran - Sr. Manager Quality, Corporate Quality Assurance

HEAT # 864252



TRACER # 0744078US

NOTICE OF SHIPMENT/  
PACKING LIST



Specialty Rolled Products

15226-Z

CERTIFICATE OF TEST

AL 6168-9 1221

|                                                                                                          |                               |                                       |                       |                                                                        |                                                    |                                 |
|----------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------|-----------------------|------------------------------------------------------------------------|----------------------------------------------------|---------------------------------|
| CUST. ORD. NO. & DATE<br>13781                                                                           | CUST. CODE<br>08/02/22A464105 | FINISHING LOCATION<br>VANDERGRIFF, PA | SHIPPER NO.<br>500622 | PRODUCT CODE<br>13010103060000                                         | *** ENGLISH ***<br>MILL ORDER NUMBER<br>30-082-028 | ***<br>DATE SHIPPED<br>01/26/23 |
| FORMS DISTRIBUTION<br>SOLD TO<br>SHIP TO<br>SPEC                                                         | MG BILL<br>L594793            | REPEAT ORDER<br>07734-0               | GOVT CONTRACT<br>72   | MATL.<br>1159                                                          | SHIPPING LOCATION<br>SPARROWS POINT MD             | INVOICE<br>652746               |
| SOLD TO<br>HIGH TEMP METALS INC<br>AKA HI-TEMP METALS INC<br>12500 FOOTHILL BOULEVARD<br>SYLMAR CA 91342 |                               | PRIME<br>DSO<br>10                    | SEC.<br>DSO           | SHIP TO<br>HIGH TEMP METALS<br>12500 FOOTHILL BLVD.<br>SYLMAR CA 91342 |                                                    |                                 |

GRADE "ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE CARRIER - BUCHANAN HAULING&RIGGING

|                             |                                                |                                                  |                           |
|-----------------------------|------------------------------------------------|--------------------------------------------------|---------------------------|
| ITEM TEST NO<br>001 8893224 | MICRO -<br>STRUCTURE<br>T PASS<br>T PASS<br>TC | BMS 7-191C<br>INCLUSIONS<br>0.18<br>7/8.<br>7/9. | PROFIL-RMS<br>MICRO-INCH  |
| TEST LOCATION               | TC                                             | TC                                               | TC                        |
| ITEM TEST NO<br>001 8893224 | A<br>HVY 0.0<br>THN 0.0                        | B<br>0.0<br>1.8                                  | C D<br>0.0 0.0<br>0.0 1.0 |
| TEST LOCATION               | TC                                             |                                                  |                           |

# ELONG AT FRACTURE

NR = DATA NOT REQUIRED  
METALLOGRAPHIC MAGNIFICATION: 100X ETCHANT USED: OXALIC ACID

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

THE FOLLOWING TEST METHODS ARE USED BY THE LISTED LAB: ASTM E8 FOR ALL SPECIMENS FOR YIELD, TENSILE, AND ELONGATION EXCEPT ISO 6892-1 FOR 80MM SPECIMENS; ASTM E290 FOR BEND (FOR NEW BEDFORD LABORATORY - TYPE 2 FREE BEND IS USED), ASTM E112 FOR GRAIN SIZE; ASTM E10, E18, E92, & E384 FOR HARDNESS; ASME B46.1 SECTION 3 FOR SURFACE ROUGHNESS; AMS 2750 FOR LABORATORY HEAT TREATMENT; ASTM E139 FOR STRESS RUPTURE; ASTM E29 FOR ROUNDING; ASTM E3 AND E407 FOR METALLOGRAPHIC PREPARATION AND ETCHING.

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01/26/23 08:21:42

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Noreen DeFerrari - Sr. Manager Quality, Corporate Quality Assurance

HEAT # 864252



TRACER # 0744078US

NOTICE OF SHIPMENT/  
PACKING LIST



Specialty Rolled Products

15226-3

CERTIFICATE OF TEST

AL 6168-9 1221

|                                                                                                                                |  |  |                               |  |  |                                       |  |  |                       |  |  |                                                             |  |  |                                                    |  |  |                                 |  |  |                   |  |  |     |  |  |
|--------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------|--|--|---------------------------------------|--|--|-----------------------|--|--|-------------------------------------------------------------|--|--|----------------------------------------------------|--|--|---------------------------------|--|--|-------------------|--|--|-----|--|--|
| CUST. ORD. NO. & DATE<br>13781                                                                                                 |  |  | CUST. CODE<br>08/02/22A464105 |  |  | FINISHING LOCATION<br>VANDERGRIFF, PA |  |  | SHIPPER NO.<br>500622 |  |  | PRODUCT CODE<br>13010103060000                              |  |  | *** ENGLISH ***<br>MILL ORDER NUMBER<br>30-082-028 |  |  | ***<br>DATE SHIPPED<br>01/26/23 |  |  |                   |  |  |     |  |  |
| FORMS DISTRIBUTION<br>SOLD TO<br>HIGH TEMP METALS INC<br>AKA HI-TEMP METALS INC<br>12500 FOOTHILL BOULEVARD<br>SYLMAR CA 91342 |  |  | MG BILL<br>L594793            |  |  | REPEAT ORDER<br>07734-0               |  |  | DO RATE<br>72         |  |  | GOVT CONTRACT                                               |  |  | MATERIAL<br>1159 SPARROWS POINT                    |  |  | SHIPPING LOCATION<br>MD         |  |  | INVOICE<br>652746 |  |  | 144 |  |  |
| SOLD TO                                                                                                                        |  |  | PRIME SEC.                    |  |  | DSO DSO                               |  |  | SHIP TO               |  |  | HIGH TEMP METALS<br>12500 FOOTHILL BLVD.<br>SYLMAR CA 91342 |  |  |                                                    |  |  |                                 |  |  |                   |  |  |     |  |  |

GRADE CARRIER - BUCHANAN HAULING&RIGGING  
"ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

ATI FLAT ROLLED PRODUCTS PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES FOR TESTING LOCATIONS TC, BN, & LO: C & S BY COMBUSTION/INFRARED ABSORPTION PER ASTM E1019; N & O BY INERT FUSION/THERMAL CONDUCTIVITY PER ASTM E1019; MN, P, SI, CR, NI, MO, CU, CB(NB), CO, V, W BY WDXRF PER ASTM E572; PB, BI, AG, SE, SB BY GFAA PER ASTM E1184; AL AND TI (>=0.10%) BY WDXRF PER ASTM E572 OTHERWISE BY OES PER ASTM E1086; TA, ZN, MG, CD, CE, CA, ZR, LA BY ICP PER ASTM E1479.

EN 10204:2005 - 3.1 CERTIFICATE DOES NOT IMPLY THAT MATERIAL IS AN APPROVED PED GRADE. FOR A COMPLETE LISTING OF APPROVED PED GRADES, VISIT OUR WEBSITE AT WWW.ATIMATERIALS.COM.

THESE COMMODITIES OR TECHNOLOGY, WHEN EXPORTED FROM THE UNITED STATES, ARE IN ACCORDANCE WITH THE USA EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. U.S. LAW ALSO PROHIBITS DISPOSITION OF THESE COMMODITIES/TECHNICAL DATA TO ANY END-USER OR FOR ANY END-USE RELATED TO THE DESIGN, DEVELOPMENT, PRODUCTION, STOCKPILING, OR USE OF CHEMICAL, BIOLOGICAL, OR NUCLEAR WEAPONS, OR MISSILES, WITHOUT THE PROPER APPROVAL OF THE UNITED STATES GOVERNMENT.

ATI-SRP DEFINES THE GRAIN ORIENTATION NOMENCLATURE AS LONGITUDINAL (L) IS THE LENGTH, LONG TRANSVERSE (LT) IS THE WIDTH, AND SHORT TRANSVERSE (ST) IS THE THICKNESS OR GAUGE.

ATI FLAT ROLLED PRODUCTS HAS COMPLIED WITH ALL PRODUCER REQUIREMENTS OF AS6279.

ATI FLAT ROLLED PRODUCTS DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS.

MATERIAL IS OF USA MELT AND MANUFACTURE.

NO WELDS/WELD REPAIRS PERFORMED.

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01/26/23 08:21:42

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Noreen Deferrari  
Sr. Manager Quality, Corporate Quality Assurance

HEAT # 864252



TRACER # 0744078US

NOTICE OF SHIPMENT/  
PACKING LIST



Specialty Rolled Products

15776-4

CERTIFICATE OF TEST

AL 6168-9 1221

|                                                                                                          |  |  |                               |  |  |                                       |  |  |                                                                        |  |  |                                |  |  |                                                    |  |  |                                 |  |  |                         |  |  |                   |  |  |     |  |  |
|----------------------------------------------------------------------------------------------------------|--|--|-------------------------------|--|--|---------------------------------------|--|--|------------------------------------------------------------------------|--|--|--------------------------------|--|--|----------------------------------------------------|--|--|---------------------------------|--|--|-------------------------|--|--|-------------------|--|--|-----|--|--|
| CUST. ORD. NO. & DATE<br>13781                                                                           |  |  | CUST. CODE<br>08/02/22A464105 |  |  | FINISHING LOCATION<br>VANDERGRIFF, PA |  |  | SHIPPER NO.<br>500622                                                  |  |  | PRODUCT CODE<br>13010103060000 |  |  | *** ENGLISH ***<br>MILL ORDER NUMBER<br>30-082-028 |  |  | ***<br>DATE SHIPPED<br>01/26/23 |  |  |                         |  |  |                   |  |  |     |  |  |
| FORMS DISTRIBUTION<br>SOLD TO<br>SHIP TO<br>SPEC TO                                                      |  |  | MG BILL<br>L594793            |  |  | REPEAT ORDER<br>07734-0               |  |  | DO RATE<br>72                                                          |  |  | PRIORITY<br>PRIME              |  |  | GOVT CONTRACT<br>HIGH TEMP METALS                  |  |  | MATERIAL<br>1159 SPARROWS POINT |  |  | SHIPPING LOCATION<br>MD |  |  | INVOICE<br>652746 |  |  | 144 |  |  |
| SOLD TO<br>HIGH TEMP METALS INC<br>AKA HI-TEMP METALS INC<br>12500 FOOTHILL BOULEVARD<br>SYLMAR CA 91342 |  |  |                               |  |  |                                       |  |  | SHIP TO<br>HIGH TEMP METALS<br>12500 FOOTHILL BLVD.<br>SYLMAR CA 91342 |  |  |                                |  |  |                                                    |  |  |                                 |  |  |                         |  |  |                   |  |  |     |  |  |

GRADE CARRIER - BUCHANAN HAULING&RIGGING  
"ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

ELEMENTS SUCH AS SULFUR, PHOSPHOROUS, BORON, AND RADIOACTIVE ELEMENTS MAY BE PRESENT AS RESIDUALS IN ANY GIVEN PRODUCT DUE TO THEIR COMMON OCCURENCE IN NATURE, BUT ARE NOT ADDED AS ALLOYING CONSTITUENTS UNLESS REQUIRED BY SPECIFICATION. MATERIAL IS PRODUCED WITHOUT CONTACT WITH LOW MELTING POINT CONTAMINANTS SUCH AS LEAD, ZINC, COPPER, AND TIN. CARBON STEEL CONTAMINATION IS MINIMIZED WHERE PRACTICABLE.

MATERIAL IS COMPLIANT WITH THE EUROPEAN UNION DIRECTIVES 2011/65/EU (ROHS2) AND 2015/863/EU (ROHS3) - RESTRICTION OF HAZARDOUS SUBSTANCES.

THIS CERTIFIED MATERIAL TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL STATUTE. ATI SRP HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI SRP QUALITY MANUAL REVISION 33 DATED 01/06/2023. FOR THE TESTING SPECIFICATION USED IN THE ANALYSIS OF THIS MATERIAL, PLEASE SEE THE SCOPE OF APPROVAL FOR NADCAP AND ISO/IEC 17025 FOR THE LABORATORIES. THE SCOPE OF THE APPROVALS CAN BE FOUND AT WWW.ATIMATERIALS.COM

ATI FLAT ROLLED PRODUCTS WORKS TO THE ROLLS ROYCE SABRE QUALITY MANAGEMENT SYSTEM REQUIREMENTS.

MATERIAL TESTED AT ATI FLAT ROLLED PRODUCTS GEAE S400 APPROVED FACILITIES (T1225 & T9317): NATRONA HEIGHTS, PA; BRACKENRIDGE, PA AND NEW BEDFORD, MA.

ATI SPECIALTY ROLLED PRODUCTS HOLDS SEVERAL QUALITY AND LABORATORY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, AD-MERKBLATT WC, EU PRESSURE EQUIPMENT DIRECTIVE 14/68/EU, NADCAP, ISO/IEC 17025, GEAE S400 (T1225 & T9317), GEAE S-1000. REFER TO WWW.ATIMATERIALS.COM TO ACCESS THE CURRENT ATI SRP QUALITY CERTIFICATIONS.

THE PRODUCT WAS SOLUTION TREATED AT TEMPERATURE NOT LOWER THAN 1900F (1038C), HELD AT THE SELECTED TEMPERATURE WITHIN +/-25F (+/-14C) FOR A TIME COMMENSURATE WITH THICKNESS, AND COOLED AT A RATE EQUIVALENT  
PAGE 04 - CONTINUED ON PAGE 05 01/26/23 08:21:42

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Noreen DeFerrari  
Sr. Manager Quality, Corporate Quality Assurance

HEAT # 864252



TRACER # 0744078US

NOTICE OF SHIPMENT/  
PACKING LIST



Specialty Rolled Products

15776-5

CERTIFICATE OF TEST

AL 5165-9 1221

|                                                                                                          |                    |                             |                                                             |                |                                      |              |
|----------------------------------------------------------------------------------------------------------|--------------------|-----------------------------|-------------------------------------------------------------|----------------|--------------------------------------|--------------|
| CUST. ORD. NO. & DATE                                                                                    | CUST. CODE         | FINISHING LOCATION          | SHIPPER NO.                                                 | PRODUCT CODE   | *** ENGLISH ***<br>MILL ORDER NUMBER | DATE SHIPPED |
| 13781                                                                                                    | 08/02/22A464105    | VANDERGRIFF, PA             | 500622                                                      | 13010103060000 | 30-082-028                           | 01/26/23     |
| FORMS DISTRIBUTION<br>SOLD TO → SHIP TO → SPEC TO →                                                      | MG BILL<br>L594793 | REPEAT ORDER<br>07734-0     | GOVT CONTRACT                                               | MATL.          | SHIPPING LOCATION                    | INVOICE      |
|                                                                                                          |                    | PRIME SEC.<br>DSO DSO<br>10 |                                                             | SHIP TO        | SPARROWS POINT MD                    | 652746 144   |
| SOLD TO<br>HIGH TEMP METALS INC<br>AKA HI-TEMP METALS INC<br>12500 FOOTHILL BOULEVARD<br>SYLMAR CA 91342 |                    |                             | HIGH TEMP METALS<br>12500 FOOTHILL BLVD.<br>SYLMAR CA 91342 |                |                                      |              |

GRADE CARRIER - BUCHANAN HAULING&RIGGING  
"ATI 219" (21-6-9) STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

ATI FLAT ROLLED PRODUCTS HAS RECEIVED NADCAP APPROVAL FOR CHEMICAL, MECHANICAL, METALLOGRAPHIC, HARDNESS, CORROSION TESTING, MECHANICAL TEST SPECIMEN PREPARATION, AND HEAT TREATMENT OF SPECIMENS. VERIFICATION OF SCOPE AND ACCREDITATION IS AVAILABLE ONLINE.

EN 10204:2005 3.1 CERTIFICATE.

MATERIAL MEETS THE REQUIREMENTS OF PRATT & WHITNEY SPECIFICATIONS F-14 REVISION D, F-17 REVISION D, F-22 REVISION C, F-23 REVISION G, F-MASTER REVISION J.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:

BN = ATI FRP BRACKENRIDGE; 100 RIVER ROAD; BRACKENRIDGE, PA 15014  
TC = ATI FRP NATRONA HEIGHTS; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

<<<<<<< FOR ACCESS TO ONLINE CERTIFICATES OF TEST >>>>>>>  
<<<<<<< REGISTER AT MYATI.ATIMETALS.COM >>>>>>>

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\*\* METRIC TO FOLLOW

01/26/23 08:21:42

CONSIGNEE. Please Note: This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

WARNING  
Safety Data Sheets for this product are available on our website, www.ATImetals.com. A thorough review of the Safety Data Sheet for the grade of material purchased shall be performed prior to working with this product and all safety & health considerations outlined must be implemented.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in ATI Specialty Rolled Products' Order Acknowledgement.

Noreen Deferrari -  
Sr. Manager Quality, Corporate Quality Assurance

HEAT # 864252



TRACER # 0744078US