

Contact: Dan L. Greenfield  
412- 394-3004

## **Allegheny Technologies AL 2003™ Alloy Featured on World's Largest Stainless Roof**

Pittsburgh, PA, November 7, 2007 – Allegheny Technologies Incorporated (ATI) announced today that one of its proprietary alloys is being used for the largest stainless roof in the world. The roof is for the New Doha International Airport in Qatar.

ATI Allegheny Ludlum, an ATI company, supplied 3.5 million pounds of its proprietary AL 2003™ lean duplex stainless sheet to Contrarian Metal Resources, Allison Park, PA, for this project. AL 2003 lean duplex alloy is an economic alternative stainless that offers better corrosion resistance and strength compared to the more common and higher nickel-bearing Type 316L.

The airport specified that Contrarian apply its proprietary architectural matte finish, InvariMatte™, on the AL 2003 lean duplex stainless alloy for added aesthetic value and for glare resistance. At almost two million square feet (approximately the size of 40 American football fields), the airport's roof will have the largest stainless roof in the world when completed.

“We are excited about the AL 2003 alloy. We can now offer our customers a decorative flat-rolled stainless with better pitting resistance than Type 316L that also has the necessary formability to make crimped standing seam roof panels,” said Jim Halliday, President, Contrarian Metal Resources.

AL 2003 alloy has replaced Type 316L in many applications, including power generation condenser tubes, petrochemical heat exchangers, oil and gas flow lines, and structural columns and supports. Major alloying elements of AL 2003 alloy include: chromium 21%, nickel 3%, and molybdenum 1.5%. Major elements of Type 316L include: chromium 16%, nickel 10%, and molybdenum 2.5%.

AL 2003 alloy provides cost savings and can provide enhanced performance over the conventional grade 316L. The AL 2003 alloy strength advantage, in some applications, allows up to one-third reduction in thickness over a comparable design using Type 316L.

Today, stainless alloys are consistently chosen over other materials for structural components because of lower life-cycle cost. Stainless is also considered an environmentally friendly material because it is 100% recyclable, and is an energy-efficient roofing solution.

AL 2003 alloy has full ASTM coverage and is ASME qualified under Code Case 2503. Additionally, AL 2003 alloy is approved by the Norwegian petroleum industry standard Norsok M-650, and is certified as an acceptable material for use in drinking water systems by NSF/ANSI Standard 61.

ATI Allegheny Ludlum is a world leader in the technology, production, and marketing of sheet, plate, and strip specialty metals including stainless alloys, nickel-based alloys, titanium, and titanium-based alloys. The company also produces grain-oriented silicon electrical products, and tool steel plate. For further information, go to [www.AlleghenyLudlum.com](http://www.AlleghenyLudlum.com).

***Building the World's Best Specialty Metals Company™***

Allegheny Technologies Incorporated is one of the largest and most diversified specialty metals producers in the world with revenues of \$5.6 billion during the most recent four quarters ending September 30, 2007. ATI has approximately 9,500 full-time employees world-wide who use innovative technologies to offer growing global markets a wide range of specialty metals solutions. Our major markets are aerospace and defense, chemical process industry/oil and gas, electrical energy, medical, automotive, food equipment and appliance, machine and cutting tools, and construction and mining. Our products include titanium and titanium alloys, nickel-based alloys and superalloys, stainless and specialty alloys, zirconium, hafnium, and niobium, tungsten materials, grain-oriented silicon electrical products, and forgings and castings. The Allegheny Technologies website is [www.AlleghenyTechnologies.com](http://www.AlleghenyTechnologies.com).

###