

## LEED™ Certificate

### Series 1500 Stainless Steel Column Cover

#### RECYCLED CONTENT

The sheet stainless steel used to produce the Series 1500 Column Cover contains the following:

For Type 304 stainless steel, the percentage of recycled material used in the scrap charge is on average approximately 82-84%. Of this amount, approximately 56-63% of the recycled material is post-consumer with the remainder being post-industrial.

For Type 316 stainless steel, the percentage of recycled material used in the scrap charge is on average approximately 86%. Of this amount, approximately 54% of the recycled material is post-consumer with the remainder being post-industrial.

The extrusions that make up the support post system of the series 1500 column cover contain 30% Primary aluminum and 70% Secondary aluminum. The secondary aluminum consists of 10% Post-consumer scrap 60% Post-industrial/Pre-consumer scrap.

Under the guidelines of the USGBC – LEED V2.2, the total recycled content of the extruded aluminum post system of the Series 1500 Column Cover is  $.30 \times 0 + .70 (.10 + \frac{1}{2} \times .60) = 28.0\%$ .

The finished product may be manufactured in one of two locations whichever are closest to our customer, Riverdale Maryland and Phoenix Arizona. The aluminum for the post system is extruded in Canfield, Ohio. The raw materials that make up this extrusion are #6063 Aluminum alloys, originating in New Madrid, Missouri.

#### RECYCLABILITY

Not only does the stainless steel and aluminum used in our Series 1500 Column Cover contain a high percentage of both post-consumer and post-industrial recycled content, at the end of its long, useful life in your building application it is 100% recyclable. The aluminum and stainless steel components can be repeatedly recycled back into similar products with no loss of quality. Both stainless steel and aluminum in its various forms provides the most valuable component for most municipal recycling efforts.

In addition, the reduction in pollution made from recycling can be significant.

- For aluminum, there is a 79 % material conservation, a 95 % reduction in emissions and a 97 % reduction of effluents through recycling.
- For steel, one sees a 90% savings in virgin materials, an 86% emissions reduction, a 40% effluent reduction, a 76% water pollution reduction and a 97% mining waste reduction through recycling.

Information within this certificate was extracted from The Aluminum Association LEED™ Fact Sheet on Aluminum Sheet & Plate for the Building & Construction Market [www.aluminum.org](http://www.aluminum.org) and The Materials Research Society [www.mrs.org](http://www.mrs.org)