

Ely and Edith Broad Art Museum, Lansing, Michigan, USA

Architects: Zaha Hadid, London

In the selection process, mock-ups of various materials competed with one another and stainless steel came out best. A proprietary directional finish called Angel Hair® produced exactly the degree of reflectivity that the architect requested. Precisely formed cleats were another requirement. Because of its formability, stainless steel could be bent to a radius even smaller than the material thickness of 1.5 mm. To this end, V-shaped grooves were applied to the rear side of the sheet before bending. This operation was executed with a precision of 0.005 mm. Grade 316L was preferred because in winter de-icing salt is used on adjacent roads and footpaths and chloride-containing projections may occur.



Photos by Justin Maconochie



Details

Environment:	Mild urban
Fabrication process:	V-cutting, bending, welding
Grade and finish:	316L, Angel Hair®
Material thickness:	1.5 mm
Date of completion:	2012
Manufacturing company and material supplier:	A. Zahner Company, Kansas City, Missouri