design awards



Interior Magic

Aesthetically pleasing aluminum screens provide safety

By Patricia Brehm, Associate Editor

"The façade is magical," says Ron van der Veen,
Metal Architecture Design Award Judge. The
façade he refers to is the 150-foot atrium at the
Elmer Holmes Bobst Library at New York
University in New York City that features giant
aluminum screens. Designed by Joel Sanders
Architect, New York City, the approximately \$2
million screens serve the dual purpose of providing a fascinating interior façade while also acting
as a suicide prevention tool. According to Judge
Mark DeWalt the façade creates a "dual image
that is transparent, yet at the same time, solid."

The aluminum panels were fabricated by Maplewood, Minn.-based MG McGrath. Mike P. McGrath, president, explains that while other metals such as steel were considered for the project, aluminum was ultimately the best choice due to weight and structural properties. "[Aluminum is] easy to machine and readily available in the different types of sizes needed," he says. "For the panels themselves, it was 19 feet long by 5 feet wide, which is very difficult to get with other metals."

The panels that create the distinct screens do not appear to have a discernable pattern, notes McGrath, despite the fact that the screens have five patterns that repeat through each elevation. In addition, the perforations on the panels vary the amount of light that streams through. The south has the smallest amount of light streaming through, while

the north has the greatest amount of light. The east and west receive about the same amount of light. McGrath explains that the different lighting percentages are deliberate and conform to the atrium nature of the space.

The fabrication process was of critical importance to the project and of particular interest to the Design Award Judges. Before any fabrication was completed, McGrath had to find the right workers willing to work around the library's tight schedule. The library was open throughout the fabrication and installation process, meaning the crew had to work at night, typically from midnight to 6 a.m. "We had a real small window of opportunity to work every day," McGrath explains. "We didn't have any storage space, so we had to box in the center of the atrium on the ground floor. What came in that day



