



Webinar: Learning Outcomes



September 29, 2020

Montreal Museum of Arts: Stone Cladding Case Study

Zak World of Facades is the world's premier symposium on facade design and engineering, attracting over 25,000+ delegates across its 77 completed editions.

Here's a recap of what we learned:

- **Unique Quarry Procurement**—visits with the architect to Vermont Danby, the largest underground marble quarry in the world, to select size, cut and thickness needed. Full fabrication shop built inside the mountain.
- **Stone Testing**—flexural strength tests conducted to measure resistance to wind/seismic loads; pull/shear anchor strength tests; as well as how far to span anchors in between.
- **Anchor Design**—our approach considered how far off the structure is the stone? Is there insulation? How big is the cavity? How big are the pieces? And what is the structural back-up that we're anchoring to?



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