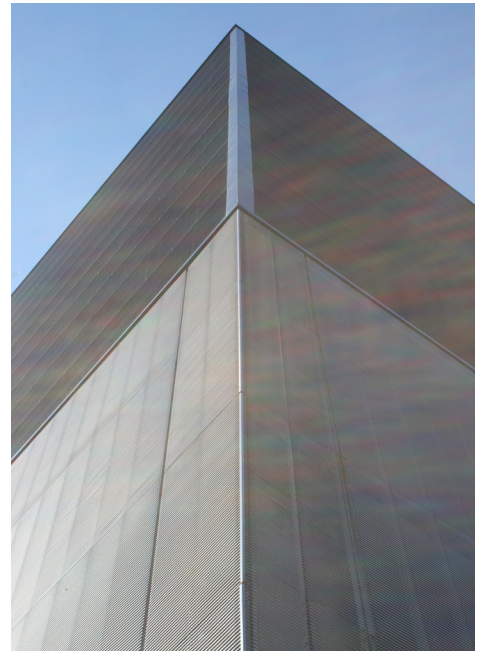


Guthrie Theater Parking Ramp — Exterior Sun Screen System

The architecture of the new Guthrie Theater parking ramp in Minneapolis, MN, USA, needed to find a building product that was strong enough to keep cars in but also allow carbon monoxide to escape. Johnson Architectural Elements were used to provide a solution that was functional and stylish.



Owner:	City of Minneapolis Parking Facilities
Location:	Minneapolis, MN, USA
Architect:	Architectural Alliance
Design Architect:	Ateliers Jean Nouvel
Construction Coordinator:	McGough Construction Company
Installer:	Jones Sign

SPECIFICATIONS

- 12,500 sq. ft. of screen, six tiers high (30 ft.)
- Large and small door panels provide easy access for cleaning the glass elevator walls
- Screen wires consist of 1/4 in. Tri-Wire, 1/2 in. slot, which has a 66% open area
- Screen rods consist of 1/4 in. x 1 1/2 in. support rods, with 12 in. support rod spacing.



Johnson Architectural Elements designed mounting brackets for the installation so it could be easily adjusted in three directions to better receive the building tolerances. The mounting brackets were attached to the concrete walls with Hilti® anchors to support the weight of the screens. Custom brackets that joined the panels of the screen to the adjoining screens, were used to adjust the panels for alignment, and were tied back to the concrete structure every 10 ft. to counteract wind loading.



Decorative lights were placed behind the screens to create a unique light show for passers-by.

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