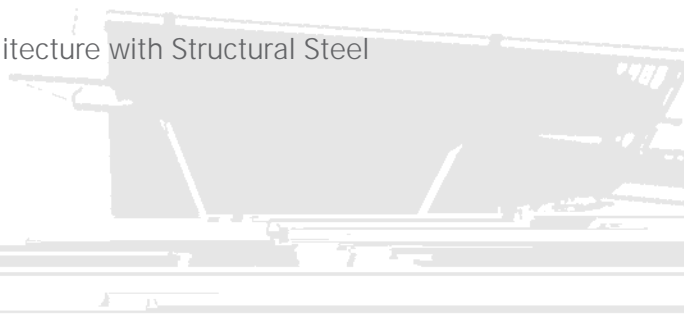


Innovative Design in Engineering and Architecture with Structural Steel



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Awards for each winning project were presented to the project team members involved in the design and construction of the structural framing system, including the architect, structural engineer of record, general contractor, detailer, fabricator, erector, and owner.

New buildings, as well as renovation, retrofit, or expansion projects, were eligible. The projects also had to display, at a minimum, the following characteristics:

- A significant portion of the framing system must be wide-flange or hollow structural steel sections;
- Projects must have been completed between January 1, 2005 and December 31, 2007;
- Projects must be located in North America;
- Previous AISC IDEAS<sup>2</sup> or EAE award-winning projects were not eligible.







































A panel of design and construction industry professionals judged the entries in three categories, according to their constructed values in U.S. dollars:

- ✓ Less than \$15 million
- ✓ \$15 million to \$75 million
- ✓ Greater than \$75 million

The judges considered each project's use of structural steel from both an architectural and structural engineering perspective, with an emphasis on:

- Creative solutions to the project's program requirements;
- Applications of innovative design approaches in areas such as connections, innovative detailing, use of 3D building models; interoperability; early integration of specialty contractors such as steel fabricators; alternative methods of project delivery; or other productivity enhancers.

Both national and merit honors were awarded. The jury also selected two projects for the Presidential Award of Excellence in recognition of distinguished structural engineering.

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This nine-story mid-rise tower explores the steel and glass language of the "second Chicago school" of architecture, which was defined by the work of Mies van der Rohe and early SOM designs. Expressed through simple and elegant detailing within a minimalist aesthetic, the building is meant to invest an image of structural architecture, conveying a sense of economy, efficiency, discipline, and order.

Located in the River North neighborhood of central Chicago, the project occupies a tight 45-ft by 100-ft mid-block site bounded by alleys on the west and north and an historic stone townhouse on the east. A lobby and tenant parking occupy the ground floor, with eight levels of housing above. The structural frame becomes a visible system that lends scale and identity to the building.

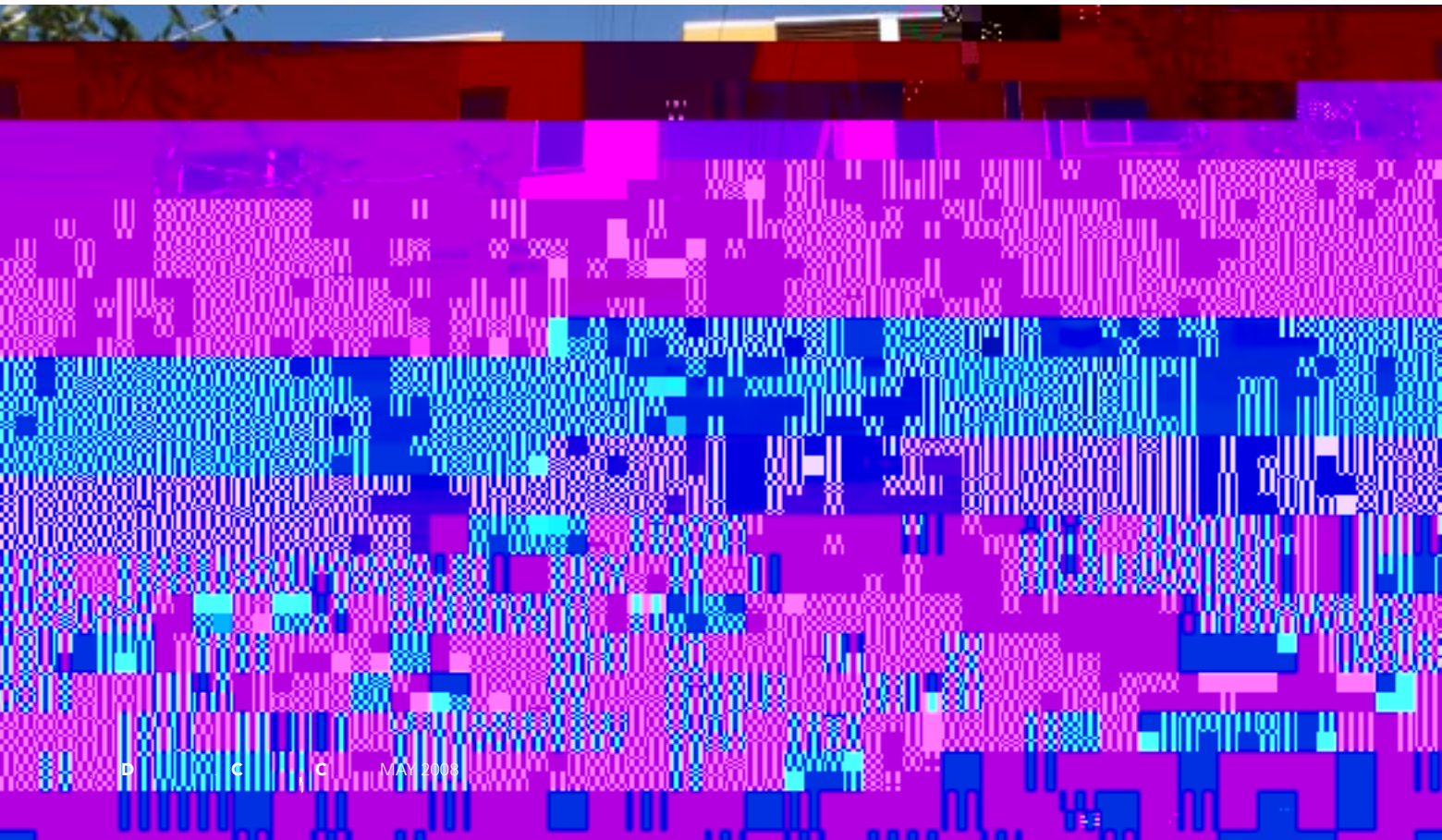
To articulate the building mass, a steel-framed structural bay, fully enclosed in glass, occupies the center portion of the south and north elevations. By expressing these elevations as a series of two-story frames with steel X-braces, the building seems taller than its 120-ft height and is able to hold its own in a dense area of tall buildings. The steel frames support cantilevered decks, enclosed with stainless steel railings, for 717Dc(with)-gs, cFt5-581s, decks,156 e15teme ess



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A lot of design expertise went into transforming a former taxi cab maintenance facility in Denver into an 18-acre masterplanned, mixed-use development. In fact, the developers deliberately brought together four different architects to create an intentional “crashing together” of minds, styles, and aesthetics.

The building—TAXI<sup>2</sup>—is the second building in a series that will redevelop a Denver brownfield site into a forward-think-





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The Oratory at Ave Maria University is the focal element of a new town and university development on 4,000 acres of former agricultural land in southern Florida.

The Oratory's design was based on a traditional basilica form, built with modern methods and materials. The detail, structure, and finishes combine together to balance tradition and modernity. As one first sees the profile of the 120-ft-tall structure on the horizon, images and thoughts of a traditional cathedral are evoked. Moving

closer to the Oratory, the clear distinction of a contemporary structure of glass, steel, and stone is revealed in greater detail. En-



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The Bronx County Hall of Justice stands prominently on a two-block site facing East 161st Street near Grand Concourse, a major civic thoroughfare in A

