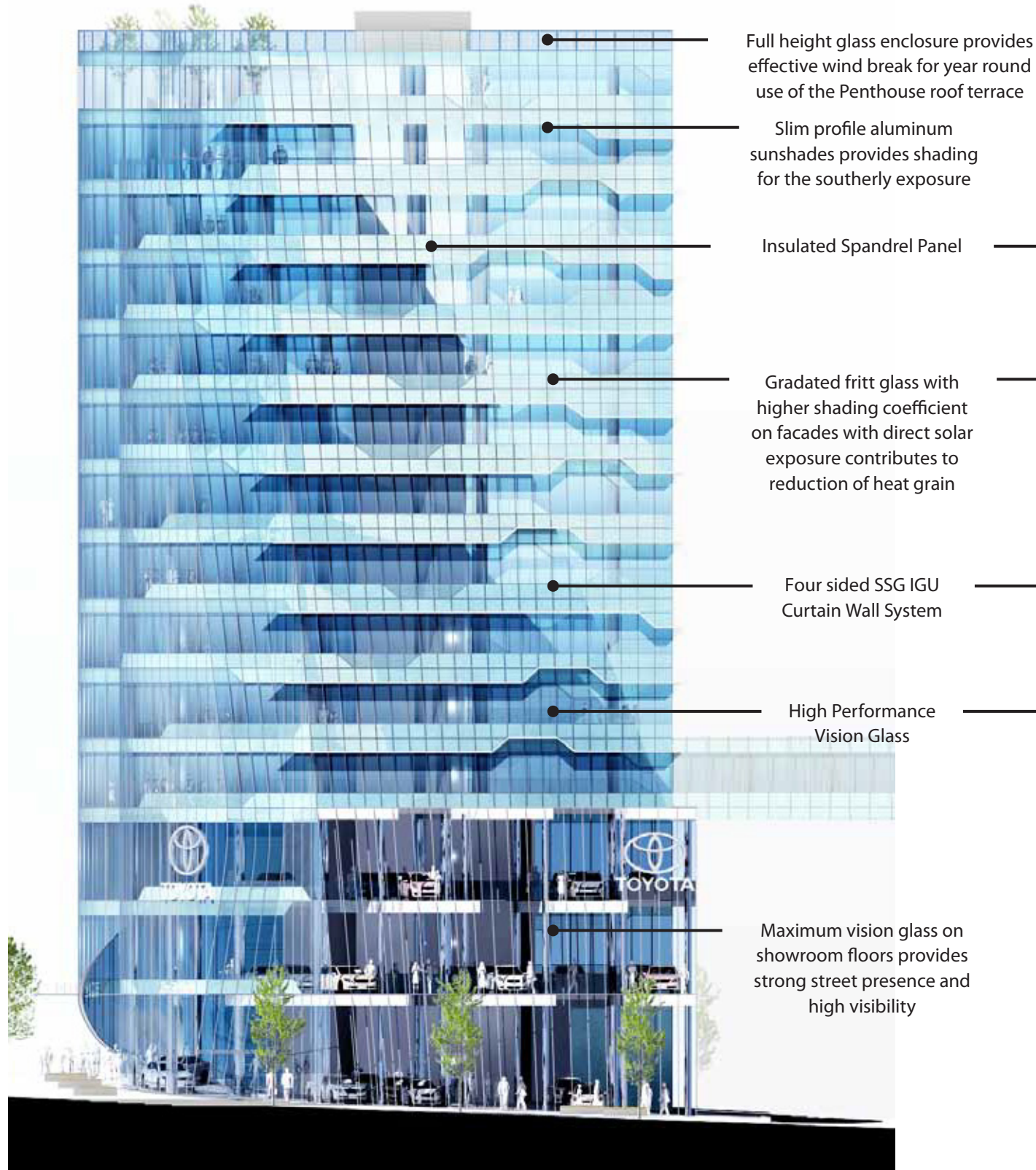


## Environmental Response

The Burrard Gateway project targets achieving LEED Gold environmental performance and certification. Tower B was designed with this mandate in mind. The desire to maximize daylighting on the office floors and the need for street presence on the showroom floors result in a building that is completely rendered in high performance glass of various types. The reflective and transparent quality of glass gives the tower a lighter and welcoming appearance.

The building form responds to both the urban context and orientation. The undulating west elevation provides passive shading for part of the building. The tapering south wall with its integral horizontal shades addresses the desirable southerly water view and effectively shades the building where it is needed most. The glass building skin consists of insulated spandrel panels, fritted and vision glass. The distribution of solid vs. clear glass plays out differently on each elevation responding to the building program, orientation and the need for privacy screening. The highest concentration of solid and fritted panels is located on the north east elevation which faces directly the adjacent residential tower, Alta Dena. As it moves away from this area towards the front of the building, the skin becomes more transparent.

On level 4, a bridge connects with the residential and amenity podium across the lane also functions as an energy highway. It facilitates moving of excessive heat from the office tower to the residential component. All roof surfaces will be planted with extensive green roof for heat and storm water management.



Full height glass enclosure provides effective wind break for year round use of the Penthouse roof terrace

Slim profile aluminum sunshades provides shading for the southerly exposure

Insulated Spandrel Panel

Graded frit glass with higher shading coefficient on facades with direct solar exposure contributes to reduction of heat gain

Four sided SSG IGU Curtain Wall System

High Performance Vision Glass

Maximum vision glass on showroom floors provides strong street presence and high visibility

South Elevation



North East View