



LIGHT AND DIGNITY LOST

BACKGROUND



Nagoya Station has developed primarily on its eastern side, creating a highly accessible and dense urban center. However, the concentration of commercial facilities and high-rise buildings has also cast extensive shadows over the area, resulting in a dark and enclosed environment even during the daytime.

As the gateway to the Chubu region, this urban landscape deserves reconsideration. At the same time, such density reflects the site's significant potential. With the opening of the Linear Chuo Shinkansen on the horizon, a new vision for the area is required. This proposal explores a future model for high-rise architecture that harmonizes with the existing city while redefining the urban environment of Nagoya Station.

SITE



The site is located beside the Dai Nagoya Building, above the planned route of the Linear Chuo Shinkansen. Around Nagoya Station, vibrant urban activity exists both above ground and within the extensive underground network. With the arrival of the new rail line, the underground area is expected to become even more active, while the future of the ground-level site remains unclear.

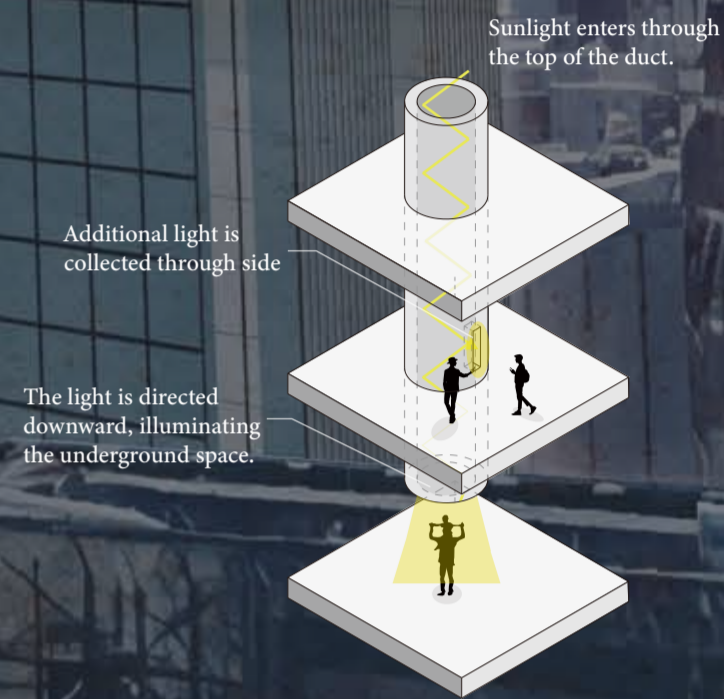
This proposal introduces a high-rise building that connects the vitality of the underground and the city above, unlocking the potential of this prime location and creating a new urban experience for Nagoya Station.

CONCEPT

We propose an open high-rise building where the city, people, and atmosphere intersect. While Nagoya Station offers abundant commercial facilities, there are few public spaces where people can gather freely. This project creates an open urban environment that welcomes both visitors and local residents.

To bring natural daylight deep into the building and the underground spaces connected to the Linear Chuo Shinkansen, a light-duct system is integrated into the structure. Rather than concealing the system, it is expressed as an architectural feature, creating both structural and functional beauty.

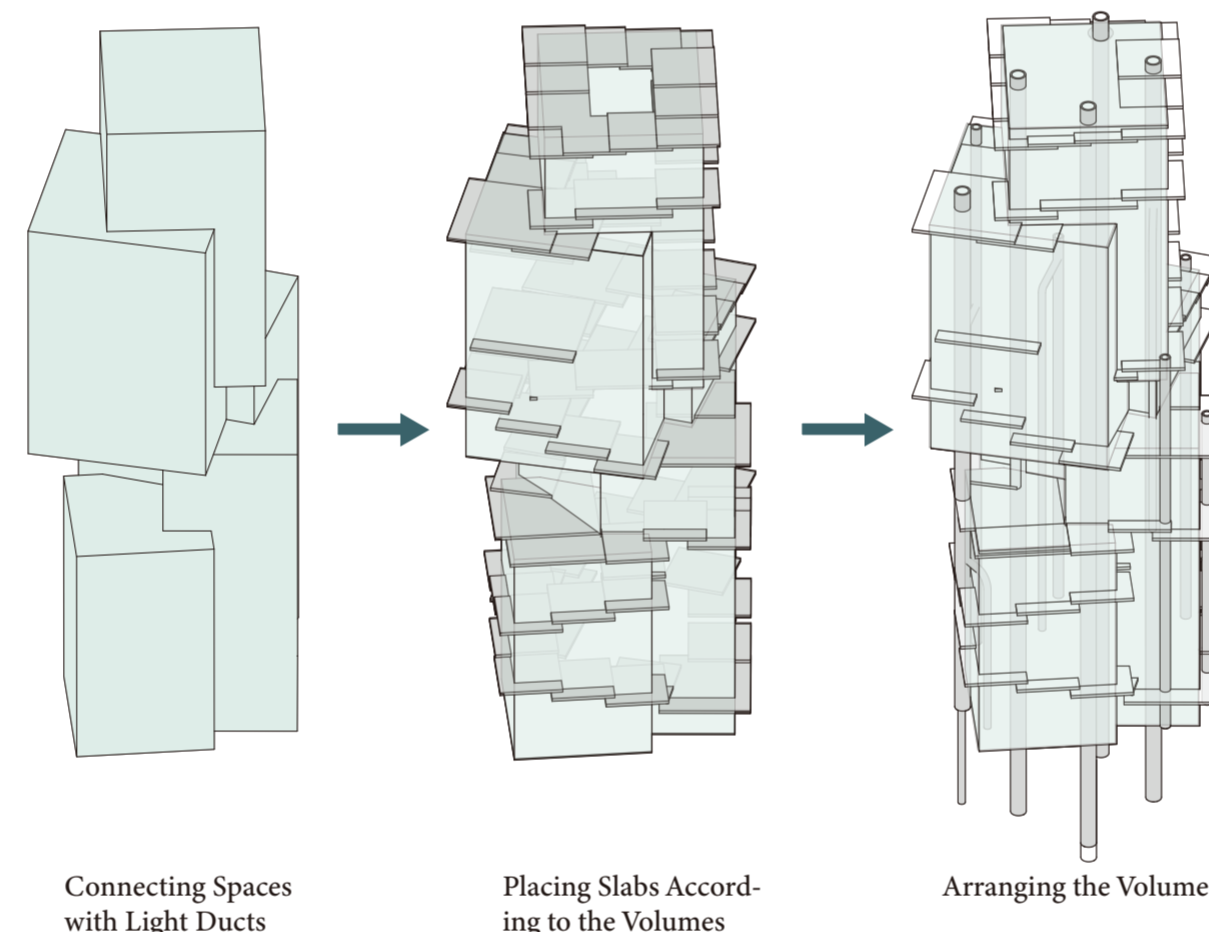
By revealing these hidden mechanisms, the project encourages people to recognize and appreciate the technologies that shape comfortable urban environments.



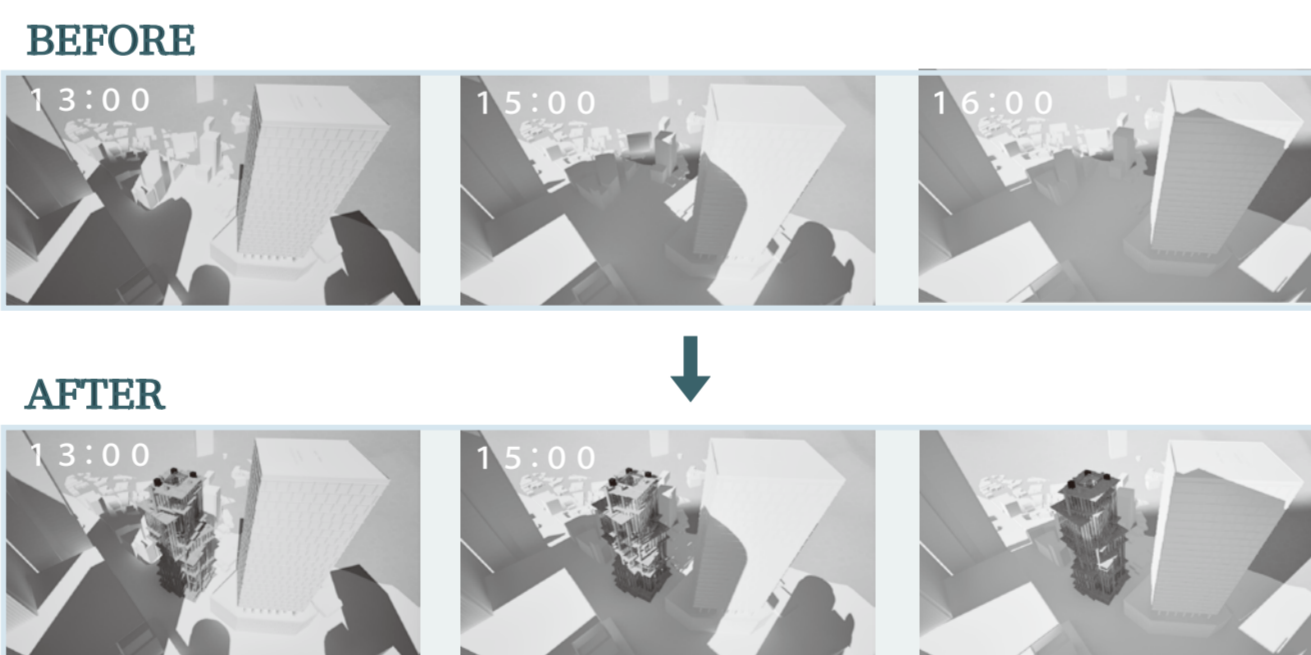
BEAUTY FROM THE OUTSIDE



DIAGRAM



SIMULATION

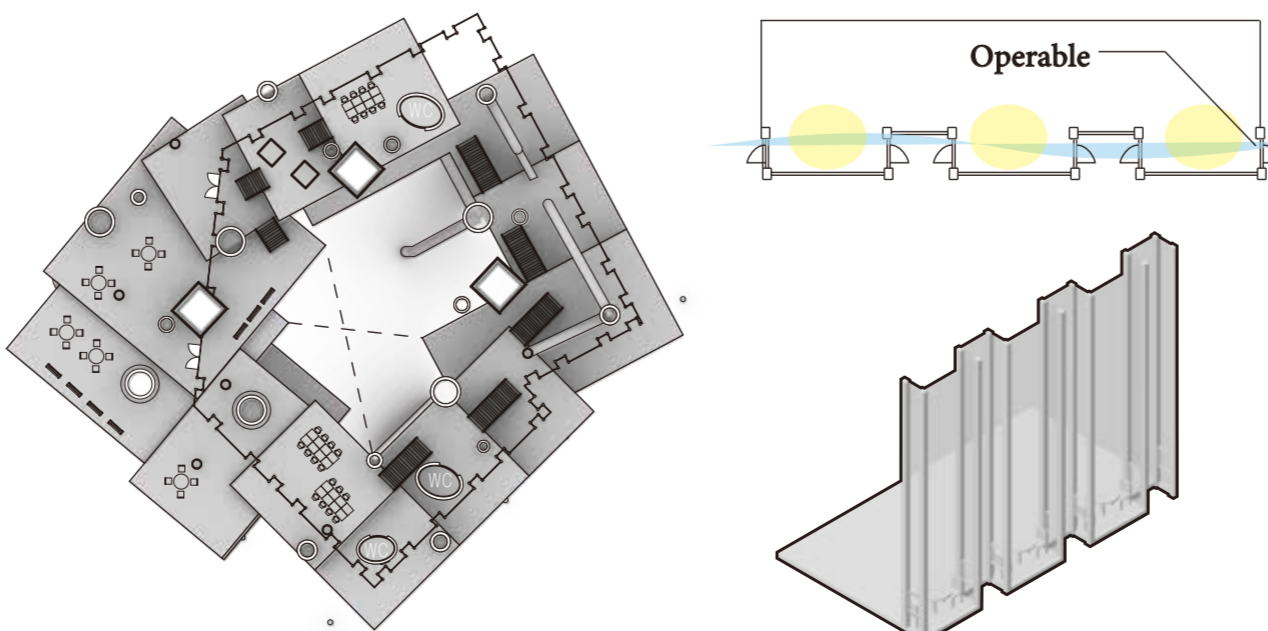


A daylight simulation was conducted for the site using the spring equinox (March 21), which represents average daylight conditions throughout the year. In the Before scenario, the site becomes shaded around 1:00 PM and remains in shadow for the rest of the day.

In the After scenario, sunlight reaches the mid-level floors until approximately 3:00 PM. The light is then guided downward through the light ducts installed on each floor, bringing daylight deeper into the building. Shadows begin to cover the site around 4:00 PM.

As a result, the proposal creates several additional hours of natural daylight each day. Furthermore, the changing angle of sunlight throughout the day and across the seasons produces varying patterns of

CURTAINS



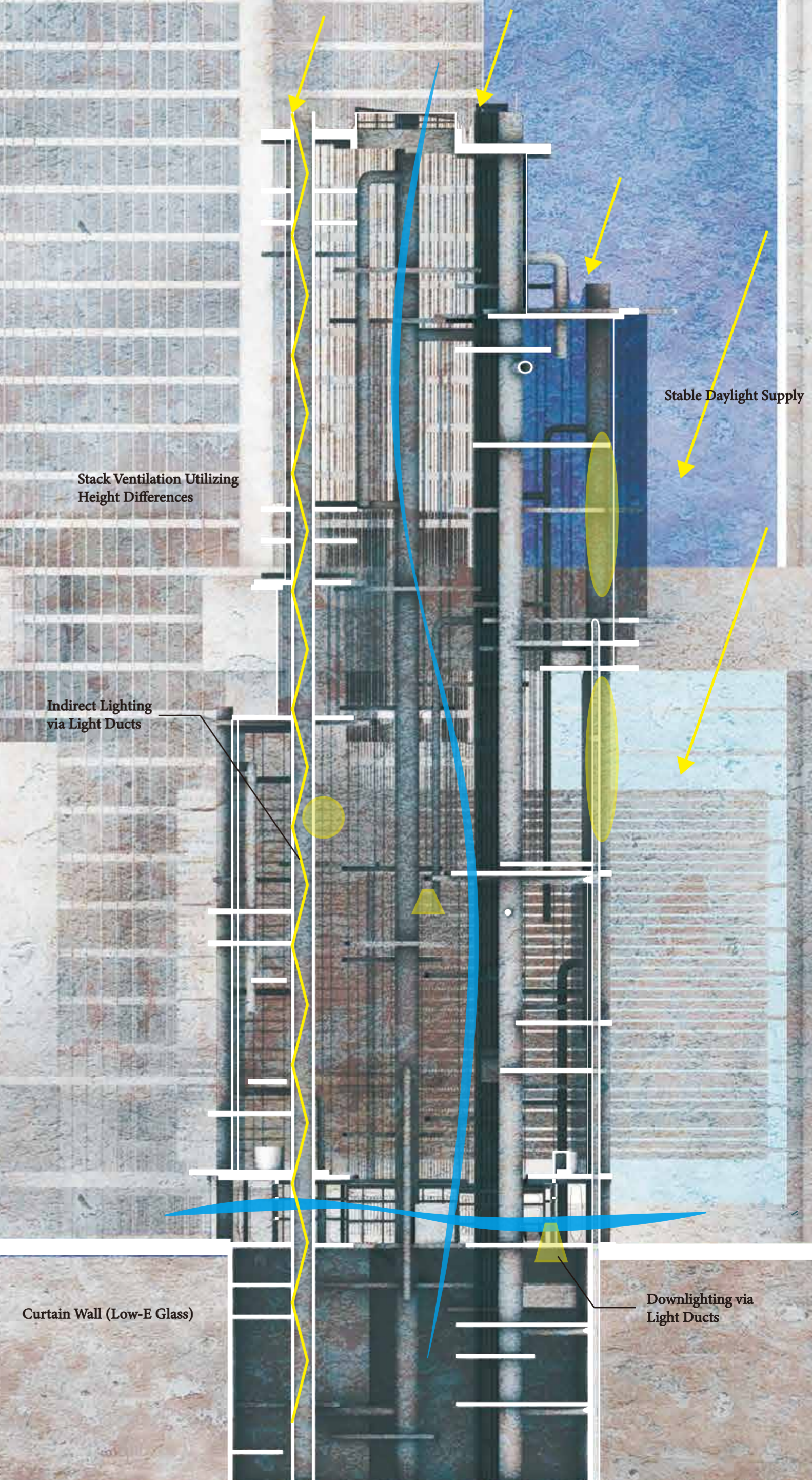
The curtain wall is designed with the mechanism shown on the right. In many large-scale buildings, curtain walls offer limited opportunities for occupants to control ventilation individually. This proposal introduces a textured facade with recessed and protruding glass surfaces. Openings are placed beside the protruding sections, allowing users to open them for natural ventilation.

These spaces provide not only fresh air but also small, semi-private areas where occupants can enjoy a more personal connection to the outside environment.

ENVIRONMENT

The environmental strategy centers on a light-duct system that distributes natural daylight throughout the building as indirect lighting and downlighting. The curtain wall incorporates Low-E glass to reduce solar heat gain during summer. At the lower levels, large openings introduce fresh air, while a vertical atrium extending from the underground level to the skylight above enables stack ventilation.

Together, these systems create a new model for high-rise architecture that restores the light lost through the development of Nagoya Station.



DAYLIGHT THROUGH THE ATRIUM

