

# ARCHITECTURAL BUILDING WORKS

## Operations

In 1973, TOA established the Building Department and became a full-fledged general contractor. Since then, TOA has accumulated experience and earned a reputation as a reliable and quality builder by completing various projects, including educational facilities, such as schools; cultural and recreational facilities, such as gymnasiums and sports centers; medical and welfare facilities, such as hospitals and nursing care facilities for the elderly; commercial buildings, such as offices, shopping malls, and hotels; industrial buildings, such as factories, power plants, and warehouses; and residential buildings.

In response to the social demands in this modern era, TOA has developed new technologies, such as roof gardening, and energy-saving designs for environmental sustainability, earthquake-proof mechanisms for disaster prevention, and HACCP food processing systems for food safety.

### Kaolack Central Fish Market in Senegal

TOA was awarded a contract by the Government of the Republic of Senegal to construct a new, modern fish market in Kaolack City, located approximately 200km southeast of Dakar. Funded by Japan's ODA loan program, the project included the construction of a market building with 1,936m<sup>2</sup> of floorspace, an 811m<sup>2</sup> ice plant building, a refrigeration system, an ice production plant, a sewage treatment system, and other auxiliary utilities.

### Nichirei Logistics Kanto Higashi-Ohgishima ( Distribution Center-Kanagawa Pref )



A next generation refrigerated warehouse which Toa Corporation helped design and construct was completed in Higashi-Ohgishima in the south of Kawasaki in Kanagawa Prefecture where the logistics facilities of various businesses are gathered. The order for the 5 story, approximately 36,000m<sup>2</sup>, approximately 40,000 ton storage capacity large scale refrigerated warehouse was obtained through a competition over a dozen other contractors.

The client sought earthquake resistance and durability for the building so that it would survive large earthquakes and other disasters, so our proposal of a structure for the refrigerated warehouse which combined seismic isolation equipment with pre-stressed concrete, the first ever such in Japan, garnered much interest.

We plan to continue polish our technological

abilities and proposal strengths for design to construction of refrigerated warehouse and a variety of other building construction fields to continually be able to meet the needs of the current times.

### One's Tower

In Higashi-Murayama City, located in the west part of the Tokyo Metropolitan Area, an urban renewal project was carried out in the district west of Higashi-Murayama Station of the Seibu Line. Among the projects undertaken there, TOA constructed "One's Tower," a 100-meter high-rise building that was completed in August 2009. The building, a symbol of the city, is connected directly with the train station and has shopping areas and public spaces from the 1st through 4th floors called "One's Plaza," and houses 182 stores on the 5th through 25th floors.



## Newly Completed Project

## Reconstruction Work on Kita-Shiroishi Elementary School and Kita-Shiroishi Junior High School (Work on main buildings)

Construction combining the school buildings of the Kita-Shiroishi Elementary School and Kita-Shiroishi Junior High School has been completed. By combining an elementary school and a junior high school to make a more compact set of school buildings, it was possible to realize a building plan that made more effective use of the school grounds and, in addition, did not require the construction of temporary school buildings.

The buildings of the school were renovated to enable elementary school students and junior high school students to share various facilities, such as the front entrance, library, and lunchroom; and there is now just one teachers' room in order to facilitate the smooth collaboration between the teaching staff of the elementary school and junior high school. Moreover, an open classroom style has been adopted, so there are no walls separating the classrooms from the hallways.



### ■ Client

Sapporo City, Hokkaido

### ■ Construction period

June 2011 to July 2012

### ■ Site of construction

Sapporo City, Hokkaido

### ■ Project outline

Wing A: RC construction; 4 floors above ground; Total floor area : 8,307 m<sup>2</sup>

Wing B: RC construction; 4 floors above ground; Total floor area : 7,358 m<sup>2</sup>

Wing C: RC construction; 3 floors above ground; Total floor area : 2,909 m<sup>2</sup>

Connecting passageway: RC construction; Total floor area of 25 m<sup>2</sup>

## Construction of new buildings Lohas Rokubankan (Provisional name) and Hanakotoba Ishimaki (Provisional name)

In Ishinomaki City, where suffered tremendous damage from the Great East Japan Earthquake to many of its welfare facilities and homes, construction was completed on Lohas Rokubankan and Hanakotoba. These buildings are housing facilities for the elderly who had been living in temporary housing and are equipped to provide service support for the residents.

At the recommendation of Toa Corporation and its collaborating business partners, both housing facilities have an evacuation area on the upper floor and an emergency supply warehouse, and have been certified by Ishinomaki City as "tsunami evacuation buildings."



Lohas rokubankan



Hanakotoba Ishibaki

### ■ Client

Bell Company LLC

### ■ Construction period

January 2012 to January 2013

### ■ Site of construction

Ishinomaki City, Miyagi Prefecture

### ■ Project outline

Lohas: RC construction; 6-story building; Total floor area of 3,872.72 m<sup>2</sup>

Hanakotoba: RC construction; 5-story building; Total floor area of 2,598.61 m<sup>2</sup>

Site of construction: Ishinomaki City, Miyagi Prefecture