

Naha port (Naha pier) Execution design for the upper part of the ventilation tower



Photos taken by PHOTO OFFICE NAKAMURA

Ordering Party : Naha General Bureau, Naha Ports and Airport Office

Facilities : Shafts (Road ventilation)

Location :

- Nishi, Naha-city, Okinawa Prefecture
(Miegusu Castle side)
- Mizusakihara, Naha-City, Okinawa Prefecture
(Airport side)

Structure : Steel-reinforced concrete and Partially reinforced concrete construction

-Total floor area :

- Miegusuku side : 4259.42m²
- Air port side : 4,132.49 m²

For a submerged tunnel, the symbolic ventilation towers were built at both sides of the Naha Port – airport and Miegusuku sides, creating a landscape suitable for the Naha City. It features vertical shafts, which were adopted instead of a large plane wall to reduce the building volume. The PC structure color concrete shafts were adopted to reduce field works and ensure the quality of this facility.

The observation gallery that is largely protruded from the shaft on the airport side offers a very clear view by the use of PC (precast concrete) slab and glass DPG.

In this project, we provided execution design and document preparation services for administrative procedures, in accordance with the detailed designs for construction of the upper parts of shafts on the airport and Miegusuku sides.