

Block A1 Spec Tower New Songdo City

Incheon, South Korea

Owner

GALE International

Architect

KPF

Architect of Record

Junglim Architecture

Completion Date

2011

Total Area

0.96 million sf



Thornton Tomasetti completed schematic design for a 34-story office tower and six-story above ground podium for the Block A1 Spec Tower in the master-planned Songdo International Business District, in Incheon, South Korea. In addition, we completed design development for the basement and the tower foundation. Since the structure sits on reclaimed soil, the two-meter-thick mat foundation sits on two-meter diameter piles.

The A1 tower accommodates 34 office floors above grade and three basements below grade. The typical floor framing (e.g., nine-meter by 12-meter bay) consists of 150-millimeter framed slab over the composite steel beam/girder supported by a reinforced concrete core wall and a composite column. The overall lateral resistance and stability is provided by a reinforced concrete core wall designed to meet the code-defined wind of 30 meters per second and moderate seismic load.