

# Construction Management

## A. Statistics of licensed architects

(A) As of yearend 2003, there were a total of 3,037 practicing architects in the Taiwan and Fukien area, showing a slight increase of 1.4% over the 2,995 practicing architects posted in the previous (2002) yearend. A detail breakdown of the total figure would show 3,005 class A architects and 32 class B architects. In terms of geographic location, 77.6% of the nation's architects are located in six major cities/counties; namely, Taipei City with the largest licensed architect population of 1,030, Taipei County with 434 architects, Taichung City with 376, Kaohsiung City with 253, Taoyuan County with 133 and Tainan City with 131 architects.

## B. Operation and management of the construction industry

### (A) Construction company statistics

1. As of yearend 2003, a total of 12,638 construction companies have been established in the Taiwan and Fukien area, slightly up by 1% compared to last year's figure. These companies are classified under three categories; namely: class A firms amounting to 2,009 companies (up by 6.69%) or 15.90% of the total industry size; class B firms amounting to 1,633 companies (up by 6.73%) or 12.92% of the total industry size; and class C firms amounting to 8,996 companies (down by 1.14%) or 71.18% of the total industry size.
2. In terms of average capitalization, as of yearend 2003 the average capital per firm was NT\$ 29.13 million, that is, 8.65% higher than the previous year average. As for the average by locality, statistics show that Taipei City firms posted the highest average capitalization, NT\$118.64 million; followed by Tainan City with NT\$ 38.82 million and Kaohsiung City with NT\$ 32.80 million.

## C. Building elevator safety inspection statistics

(A) As of yearend 2003, a total of 6 building elevator safety inspection facilities have been established in the Taiwan and Fukien area; that is a 7.39% growth over the previous year statistics. The 5 facilities in Taipei City and 1 facility in

Kaohsiung City cater to 305 professional elevator manufacturing firms in the area. The industry employs a total of 5,520 professional technicians; that is a 6.68% growth over the previous year statistics.

- (B) In 2003, a total of 108,329 building elevators in the Taiwan and Fukien area had undergone inspection; that is 3.88% higher than the previous year total. A total of 108,288 or 99.96% passed inspection; 4.48% of which completed post-installation equipment safety inspection and 95.52% underwent the annual safety inspection.

#### **D. Building public safety inspection**

- (A) As of yearend 2003, a total of 120,327 buildings in the Taiwan and Fukien area are required to apply for building public safety inspection approval certifications; so far, 27,684 buildings or 23.01% have applied; 87.57 of which had passed inspection, 6.12% failed inspection, and 6.31% are currently undergoing inspection. Moreover, among the 76.99% buildings that have yet to apply, due reminders have issued to 98.95% and penalty fines have been imposed on 1.05%. As shown in recent statistics, there is a prevailing low public safety inspection application rate in the Taiwan and Fukien area.
- (B) As of yearend 2003, among the building public safety inspections conducted in the Taiwan and Fukien, 21,157 buildings have passed the prescribed structure and equipment standards. The inspections also discovered 4,466 violation cases; majority or 40.89% of which had been granted improvement deadlines, whereas 28.4% had been fined and 24.03% had been issued closure orders.
- (C) As of yearend 2003, the Taiwan and Fukien area employs a total of 2,913 fire safety and fire escape facility inspectors and 2,725 equipment safety inspectors to attend to local building public safety inspections. A closer look into the professional background of inspectors showed that majority of these inspectors are architects; 1,748 and 1,743 respectively; inspectors with professional background numbered 848 and 664 respectively; and electrical technicians numbered 120.

#### **E. Indoor parking spaces of buildings**

As of yearend 2003, a total of 1,827,773 buildings are equipped with parking spaces; parking spaces for large vehicles amount to 805 spaces or 0.04%, spaces for small vehicles amount to 1,673,496 spaces or 91.56% and spaces for

motorcycles or scooters amount to 153,472 motorcycles or 8.40%. Majority of these parking spaces, that is 1,636,162 spaces or 89.52%, were provided in line with the urban development plan; only 191,611 or 10.48% were constructed outside the urban plan.