Pre-collapse

This Apartment-Market building in Tachi, Tainan was a four story building. The first floor was a fruit and vegetable market while the upper floors were residential apartments. There was also a basement used as parking lot.

![Fig 1: Tachi Market before earthquake](source:Google Map)

Post-collapse

Attached below is the news report from ‘ETtoday.net’ about the condition of Tachi Market after earthquake. ([http://www.ettoday.net/news/20160206/645210.htm?from=ettoday_live](http://www.ettoday.net/news/20160206/645210.htm?from=ettoday_live)) According to the report, when the earthquake happened, the columns on one side of the building collapsed causing collapse to the whole building. The good news is that as the market was not open at the time of the earthquake, there were only three injuries during the earthquake. It is stated that the reason of the collapse could be that the columns on the first floor couldn’t take the load from the upper floors.
Fig 1: Apartment of Tachi Market after earthquake
Attached is the link to the news report from 'Chinatimes.com' of the condition of an apartment in Tachi Market after earthquake.
(http://www.chinatimes.com/cn/newspapers/20160207000077-260102)

According to the news report, this apartment has nearly 30 years of life span. It originally had four floor, including a basement. After the earthquake, the first floor was shaken into the basement. The public stair exit was blocked after the earthquake, which made rescuing even more difficult.

![Fig 2: Apartment of Tachi Market after earthquake](http://www.appledaily.com.tw/realtimenews/article/new/20160208/791512/)
Attached below is the link to an aerial video of the Tachi Market after earthquake.
(http://v.gq.com/cover/w/wzwsselsep09n3.html?vid=x01845l3d6)

Construction of the building

Other important information