



MAIN CORRIDOR, EXCELSIOR LIFE BUILDING.

standard type, with porcelain, vitreous china and enameled fixtures.

The lavatories are specially ventilated by means of ventilating shaft, which was run from the basement to the roof space. A multivane fan was installed in the pent house, this fan being full housed, top horizontal, operated at six hundred and ninety r.p.m., direct connected to one-half horse-power motor.

In the boiler room there was installed in connection with the sump which is used to drain the surface water which is carried to same by means of weeping tile, and also the blow-off from the boiler, an electrically driven sump pump, the pump having a capacity of twenty-five gallons per minute against a twenty-five foot head. The pump is automatic, being governed by an automatic float control switch, which is installed in the sump.

All the different lavatories throughout the building have Italian marble divisions and stalls, complete with hinges, locks and bumpers.

The building was completely equipped with a

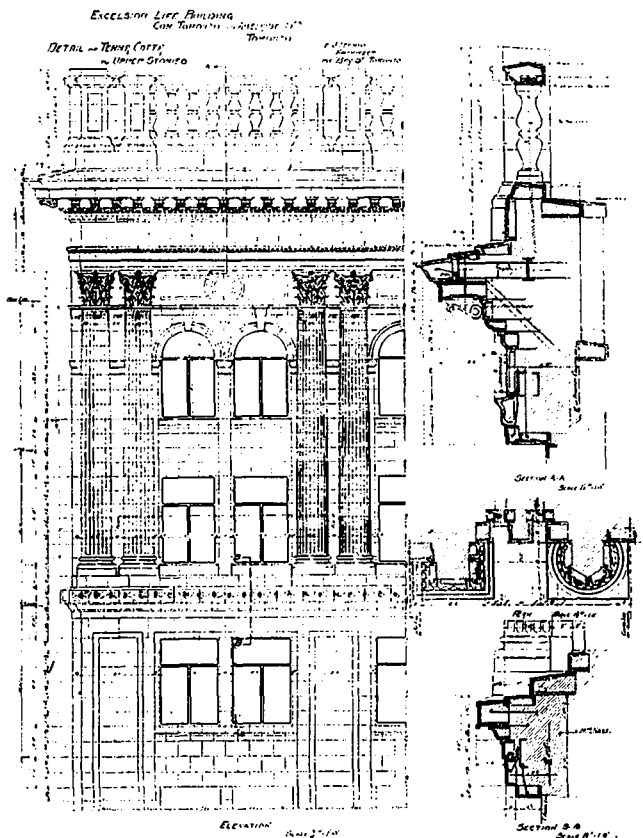


TYPICAL CORRIDOR, EXCELSIOR LIFE BUILDING.

vacuum cleaning system, the system adopted being Spencer large volume low vacuum type machine, being five horse-power two-sweeper machine. The entire building was piped so that any portion of the building might be cleaned with fifty feet of one and one-half inch hose. The machine produces a vacuum of five inches at the machine, and gives a vacuum of from two to three inches at the cleaning tool.

The type of heating installed was an atmospheric modulation system, and is the only building of this height to have a system of this kind installed.

The boilers were three down-draft smokeless standard boilers, set in standard brick setting. There was a total of approximately twelve thousand five hundred square feet of radiation



DETAIL OF TERRA COTTA EXTERIOR, EXCELSIOR LIFE BUILDING, TORONTO.

installed through the building. Each radiator has a modulation valve on the supply and a thermostatic valve on the return. All the radiators installed in the building were one column, being considered more efficient than the two, three or four-column. Both supply and return connection to the radiators are carried in the wall to the position of radiator in a chase, which was left for same, no piping being taken below the floor, which very much improved the appearance of the finished work.

An electrically driven centrifugal pump was installed for returning the condensation from the drips from the mains, this being the only portion of the returns that does not return to the boiler by gravity.