



## THE METROPOLE

25 November 2004

### Clothes Dryers' Inline Lint-Screens

At The Metropole, each suite's clothes dryer has two lint-screens. The most obvious is the primary one in the dryer. Every dryer has one, usually in or near its door. We are all aware of the necessity to clean that filter regularly. Therefore, it receives the attention it deserves. That regular attention has two benefits: reduced energy-consumption and reduced fire-hazard.

In multi-dwelling installations, a second lint-screen is necessary. The necessity arises from the distance between clothes dryers and their outdoor exhaust-vents. In The Metropole, the connection to the outdoor vent is a hidden pipe that might be more than five or six metres long.

By itself, a dryer cannot readily expel hot, moist air along a five or six metre pipe. Therefore, each dryer has a secondary fan to assist expulsion of that hot, moist air. Also, each dryer has a secondary lint-screen, to prevent clogging of the five or six metre pipe. In addition to preventing clogging, the lint-screen also reduces potential fire-hazards in that long pipe.

Like all lint-screens, the secondary lint-screen needs periodic attention. That attention reduces energy-consumption and fire-hazard. Every two years, The Metropole brings in a contractor for major cleaning. That major cleaning reflects advisories from the Ontario Fire Marshal's Office.

In the interim, though, residents are responsible for cleaning their both lint-screens. It is an easy and beneficial task, as the following pictures indicate. But where is the secondary lint-screen? The following picture shows the back of the lint-screen's housing. This is where the silver-coloured, fire-retardant exhaust-tube from the dryer enters the lint-screen's housing.



The next picture shows the front of the lint-screen's housing. This includes the lint-screen's access-door. What tools are necessary for opening that door?



A Robertson #2 screwdriver, shown below with additional bits in the handle, will open the door.



This picture shows where to use the screwdriver to open the lint-screen housing's access-door.



The next picture shows the access-door open. Note that screen is sitting higher. This reflects the fact that it is dirty. Therefore, it obstructs airflow, and exhaust air pressure has raised it slightly.



The next picture shows a resident lifting the Plexiglas door clear of its bottom bracket. The resident can then easily pull the Plexiglas door (with screen attached) from its top bracket.



This picture shows the lint-accumulation on the lint-screen's underside. It is about one month's accumulation. Except for creating this mini-manual, cleaning would/should be more frequent.



The next picture shows a clean lint-screen, ready for reinstallation in the lint-screen's housing. Nearby, is the pile of newly-removed lint. It obstructs the secondary fan, and it is a fire-hazard.



Now, we see the cleaned lint-screen in place, ready for closure of the access-door.

