

Children's Hospital of Eastern Ontario Autopsy Table Replacement

Smyth Road, Ottawa.

Project Statistics

Area description:	Provide new down-flow autopsy table
Area size	300 sq. ft.
Project budget	\$105,000

Responsibilities

The Pathology department at CHEO wished to replace their existing autopsy table with a new table that included a downdraft exhaust system. The new table was fed with domestic hot water (DHW), domestic cold water (DCW) and a sanitary waste connection.

Services Provided

- ▣ *Mechanical design*
- ▣ *Controls*
- ▣ *Electrical design*
- ▣ *Project commissioning*

Project Objectives

To replace an existing autopsy table that did not have exhaust with a new table that had down-flow exhaust integral to the table.

Our task was to survey the existing services (domestic hot and cold water and sanitary waste), re-instate those services in the tables new location and add the capability of a integral downdraft exhaust system.

Challenges

The challenge was to find routing through a very congested ceiling space for the new exhaust ductwork from the centre of the building to an exterior wall.

Coring and cutting work needed to be done with absolutely no disruption to the adjacent spaces including the highly specialized imaging equipment nearby.



Solutions and Successes

- ▣ Through extensive on site surveys, a route was planned which did not interfere with the existing ceiling services, or with the specialty imaging equipment that was attached to the ceiling slab.
- ▣ The exhaust fan was installed in the ceiling space of one of the corridors for ease of maintenance and better noise tolerance. The fan itself was isolated from the building structure, and insulated for sound attenuation. The exhaust fan was installed with controls to enable manual operation of the fan from the autopsy room.
- ▣ Careful scanning and coring was required for the ductwork, as well as additional drain services that were required of the double wing autopsy table. With on-site coordination, the services were installed and commissioned as precisely detailed on the design drawings.
- ▣ Thanks to Miriton's exacting design, CHEO were able to carry out a complex construction project in the centre of their busy hospital, without disruption or damage to their operations or equipment.