

Part 1 General**1.1 Summary**

- .1 Unless otherwise indicated, follow the standards below when specifying temporary enclosures on McGill University. These standards are not intended to restrict or replace professional judgment.

1.2 Design Requirements

- .1 Specify temporary enclosures composed of solid partitions with 1 hour fire resistance rating to separate construction sites from adjacent occupied spaces to meet the requirements of the National Fire Code of Canada 2010 (incorporating Quebec amendments).
- .2 Specify temporary barriers to protect items to be preserved inside and near the construction sites, as well as to protect surfaces and finishes in spaces affected by construction activities, such as delivery and access.
- .3 For all work inside and adjacent to laboratory or other clean spaces with great sensitivity to dust, a filter shall be supplied and shall run on site for the duration of the work. Working in these spaces, specify the use of a vacuum and/or filter and/or water mist while cutting gypsum, sanding, etc. in order to restrict the amount of dust and particles generated in the site, and to prevent infiltration.
- .4 Coordinate with the Project Manager the locations of the temporary barriers and enclosures. These locations shall be illustrated on the construction plans in order to inform the General Contractor of all areas where protections are required, and of the type of protection required (against dust, water, humidity, sound, fire, smoke, etc.).
- .5 Temporary barriers and enclosures must be installed without obstructing exits and paths to exits. These temporary measures need to respect the construction code. When egress is impacted, approval from McGill Fire Prevention Office would be required.
- .6 If the temporary installations would reduce the width of corridors and could impact deliveries and operations, approval shall be obtained from McGill Fire Protection Office and the Building Director during the Design phase.
- .7 At the end of a construction site, all surfaces in contact with temporary barriers and enclosures shall be cleaned and restored as per their original conditions.

Part 2 Products**2.1 Solid Partitions**

- .1 With 1 hour fire resistance rating:
 - .1 Slab-to-slab partitions with 92mm metal studs at 600mm c/c, covered with 16mm thick type X gypsum board on each side, with sealed joints. Fill the space between the studs with acoustical insulation. Seal the perimeter and the joints to achieve dust-tightness.
 - .2 45-minute fire rated door and frame with temporary door closer and locks. In the case of door opening toward public circulation, provide door with window.

- .2 Without fire resistance rating:
 - .1 Slab-to-ceiling partitions with 92mm metal studs at 600mm c/c, covered with 16mm thick ordinary gypsum board on each side, with sealed joints. Fill the space between the studs with acoustical insulation. Seal the perimeter and the joints to achieve dust-tightness. The space above the ceiling can be sealed with a temporary barrier.
 - .2 Non-fire-rated door and frame with temporary door closer and locks. In the case of door opening toward public circulation, provide door with window.

2.2 Barriers

- .1 8 mil polyethylene sheets with overlapped and sealed seams to provide a complete dust proof barrier.

2.3 Thermal Insulation

- .1 In temporary enclosures separating heated and unheated areas, fill the space between the studs with thermal insulation.

2.4 Adhesive mats

- .1 Specify the use of “sticky mats” at the thresholds of interior construction sites to reduce dust propagation. These mats shall be at least 1200mm (48”) long x 915mm (36”) wide and be changed regularly.

Part 3 Related Technical Sections

The technical sections of the McGill Building Design and Technical Standards should be consulted with the current document, most notably (but not limited to) the following:

Section Number	Title of Section
02 41 16	Selective Site Demolition/Deconstruction
09 21 16	Gypsum Board Assemblies

END OF SECTION