

EXPANSION PROJECT

To be done in teams of up to FIVE PEOPLE, in Revit.

An ice cream shop wants to expand into the bubble tea business.

The building was originally a garage attached to a historic home, located at 3201 Graham, in Town of Mount Royal (not too far from the college). An original elevation from the 1920s is attached. It was converted to an ice cream shop in 2006.

Program: Expand the existing ice-cream shop to include a small bubble tea shop.

- Sales area ($\pm$ 500 or 600 sq.ft.) with seats and tables, a service counter, and a counter adjacent/behind the service counter for the food preparation.
- Small bathroom with a sink and toilet. Must be accessible. Show the 5' circle on the plan, but you don't have to show grab bars or any other accessibility items.
- Small office ($\pm$ 120 sq.ft.)
- Small storage room ($\pm$ 150 sq.ft.)
- The two shops should be linked together. Customers can walk between the two shops.

Notes:

- The garage doors will remain.
- The door on the "left" side of the house will remain (this is the main entrance for the ice cream shop).
- The idea is to minimize the intervention on the existing ice cream shop. The only thing you'll have to think about is how to link the existing shop to the new bubble tea place (new opening, for example?). All the existing counters, finishes, etc can remain in the shop, unless you need to demolish some.
- No basement (on both the expansion or the existing house).
- There's technically a 2nd floor to the existing house, but we're going to pretend it's being condemned. The stairs on the back of the building as well as the door at the upstairs will be demolished.
- No 2nd floor on the expansion.

You will decide on the layout & design (remember everything we learned about creating an expansion to an existing building). Include at least one new opening in the existing mass-masonry walls to link the new to the old.

Existing building description:

- Existing floor: Ceramic finish on concrete.
- Existing walls: Mass masonry with plaster finish on the inside.
- Existing ceiling: Gypsum.
- Existing foundations: Concrete.
- Existing furniture: There are some built-in counters/furniture in certain areas.

Building orientation: The façade with garage doors faces the street. We'll call this the south façade.

Do your best to draw the existing building based on the ReCap model. We're not looking for 100% precision; don't worry about getting it EXACTLY right.

You do NOT have to model the larger historic building on the "left" of this garage (you'll see part of it on the ReCap model). It doesn't have to be shown on your drawings, but simply be aware that it's there.

Ignore any differences in height/levels with the site around the building. If the grade slopes down behind the building (for example) don't worry about it. Just assume a flat site.

Create a **design package** to illustrate your proposed extension for preliminary review by the CCU (Comité consultatif d'urbanisme / Planning advisory committee).

CHECKLIST

The following is to be included in your submission for this project in **11x17 format** (the organization and graphics are up to you. These are not construction drawings.):

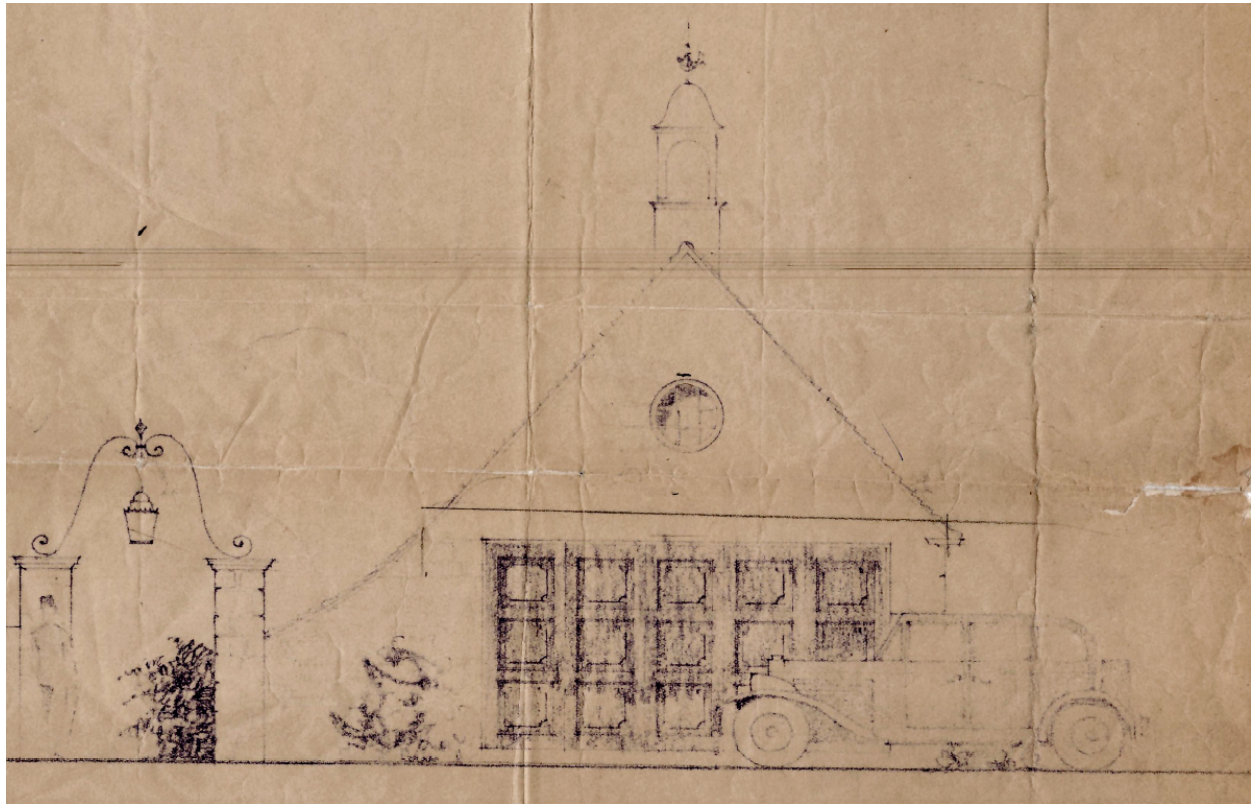
- Cover page that includes: existing photos (your own or taken from online), team name (create a name for your team), names of team members, and the project name and logo (invent a company name and logo for this ice cream/bubble tea shop).
- Rendering
- Schematic level plan (make sure to clearly indicate what is new and what is existing)
- Illustration of proposed exterior materials: elevation or enlargement of your rendering with a legend with images

1 PDF submission per team

GRADING

Your grade will depend on the following:

- The design in relation to everything that was discussed in class. Will the CCU judge your design to be successful and appropriate?
- Whether or not you followed the instructions & checklist for this project.



Original 1920s drawing of the front façade.

Source: Town of Mount Royal