

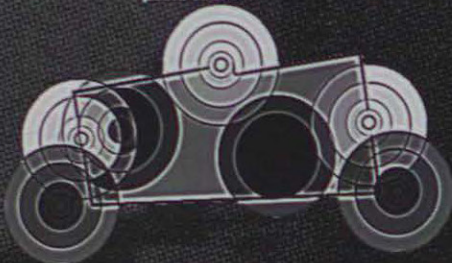
The Montreal Eco-Hotel

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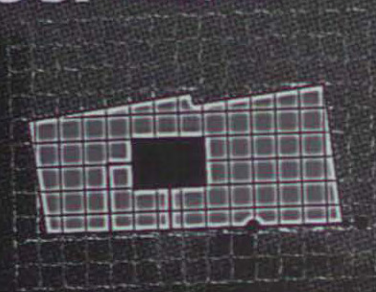
01. The site is infested by three major types of noises: road traffic, underground metro, and trains going to a nearby station.



02. Noise sources are located. Their affected areas are defined and used to determine the quieter parts of site.



03. Noise from the trains is brought to a central courtyard by sound transmitting tubes.



04. The noise is then aligned...



Breathing: 5-10 dB
Normal conversation: 40-50 dB
Running Trains: 80-90 dB
Stadium crowd: 95-100 dB

Welcome travellers! This is downtown Montreal, animated with all sorts of noises in all sorts of languages. Come and celebrate with us the exciting urban symphony in our hotel's sound court. Enjoy the beautiful sound of the trains with your new friends on the public balconies. The hotel has direct access to the Lucien L'Allier Metro Station, to the Windsor Train Station, and is one of the busiest street in the city, Rue De La Montagne. With all these special features, the hotel stimulates thoughts on the environment we are living in today: can we live in harmony with all the noises we produce?

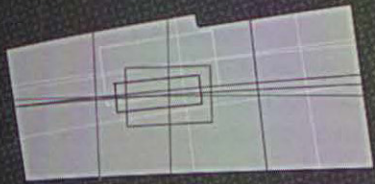
the fountain provides a constant running-water sound as the

The eco-hotel responds to the

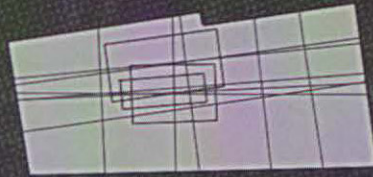
the travellers can enjoy the various urban sounds that are collected in the s



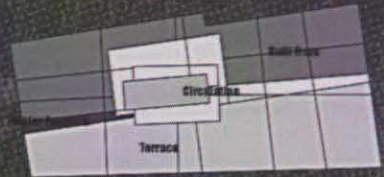
09. The various noises are brought together in the central court, filling the air with urban sounds.



10. The site is superimposed with lines from the train grid, the metro grid, and the city grid.

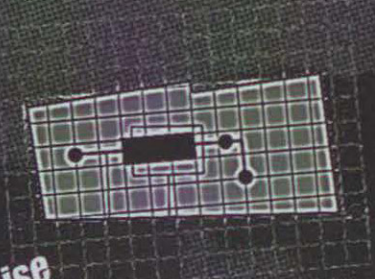


11. Functions are organized in accordance with the elongated shape of the site, orienting the built form to sun-exposure.

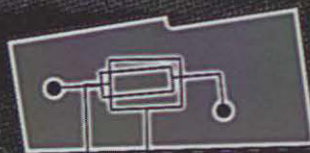


of the sound tubes and of the courtyard are with the train tracks.

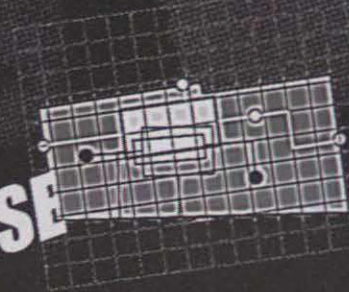
05. Noise from the underground metro is treated in a similar manner.



06. Following the geometry of the existing metro station.



07. The sound tubes draw the noise from the streets around the site and bring it to the sound court.



background pink noise

most invisible pollution in the city -- NOISE

the form represents giant sound reflectors in the urban landscape

and court

sound tubes transmit noises from the surroundings to the central sound court