



FRIDAY DECEMBER 21 DOORS OPEN 8PM

# MMACULATE

#### THE BACK BAR AT THE BEDFORD

110 BEDFORD AVE.

**WILLIAMSBURG, BROOKLYN** 

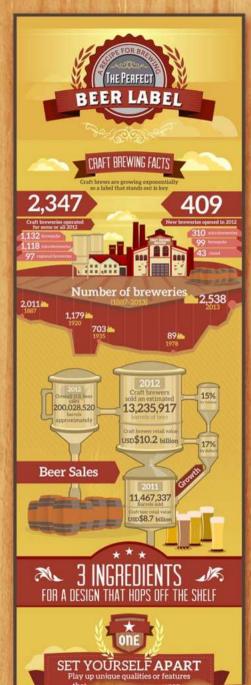
THE BACK BAR
AT THE BEDFORD
ALGO RECOFDED RIVE.
WILLIAMSBURG, BROOKLYN

THE BACK BAR
AT THE BEDFORD
320 #EDFORD AVE.
WILLIAMSBURG, BROOKLYN

THE BACK BAR
AT THE BEDFORD
AND ROPER BYM

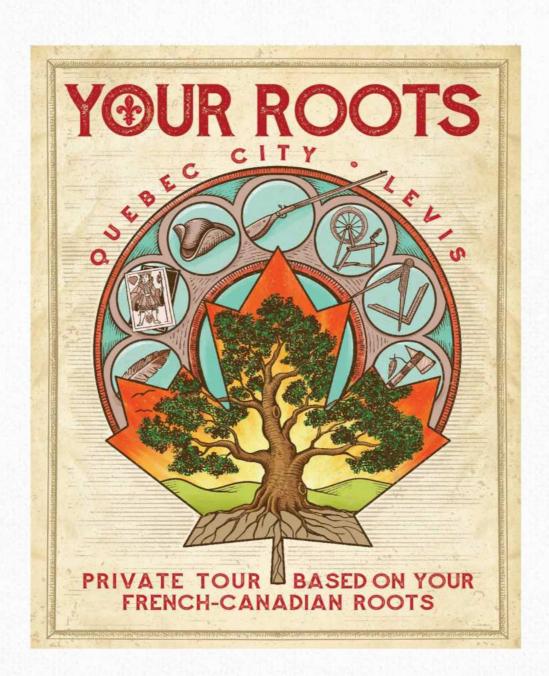
THE BEDFORD
AND RECEPTION RIVE.
WILLIAMSBURG, BROOKLYN



















### **ACOUSTICS IN CLASSROOM**

DEVELOPING YOUNG MINDS DESERVE THE BEST POSSIBLE LEARNING ENVIRONMENT



School-age children spend up to 75% of their day performing "listening processes"



School acoustical performance has a direct effect on speech intelligibility and therefore on student learning outcomes

As many as one-third of all school students are missing up to 33 percent of verbal communications in class

It is not as much a question of being able to hear as much as it is a matter of being able to distinguish clearly and correctly what is being said.



According to an ANSI Standards for classroom acoustics, noise levels for an unoccupied classroom should not exceed 35dB Yet, research found that the average noise levels in most classrooms can range between 66 decibels (dB) and 94dB, (Rosenberg, 2010; Picard and Boudreau, 1999).

In one particular study, that average classroom noise levels were 72dB which is comparable to standing next to a busy intersection.



TEACHERS USE THEIR VOICES
FOR APPROXIMATELY 60% OF THEIR WORKDAY.

Because they have to talk louder to overcome poor classroom acoustics, teachers are 32 times more likely to have voice problems compared to similar occupations.

#### HVAC NOISE IS A COMMON CULPRIT IN NOISY CLASSROOMS



and according to United States Access Board teachers often report turning off the HVAC during important lesson.



SELECTING THE RIGHT HVAC SYSTEM SHOULD BE A KEY CONSIDERATION WHEN DESIGNING ENVIRONMENT CONDUCIVE TO LEARNING!



Trane has the expertise, technology and strategies to create the right learning environment where students can learn and teachers educate most effectivelly



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