

**A Framework for Benchmarking and Monitoring Building Construction
Embodied Carbon Footprint Using Building Information Models**

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Thesis submitted to the faculty of the Virginia Polytechnic Institute and State University in partial fulfillment of the requirements for the degree of

Master of Science

In

Civil Engineering

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Construction Performance Benchmarking and Monitoring

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FOR : FIGURE 5

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Alba Taveras Marte

Description of item under review for fair use: Figure 5. Materials contribution to embodied carbon in a typical building project . (Adapted from D-Carbon8 and Skanska 2008).

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FOR : FIGURES 11 AND 12

Alba Taveras Marte <albatm@vt.edu>

May
2

to Ruth, Susan

Dear Ruth,

I used the Center for The Arts for an implementation of a management tool to be used during construction, some of my pics are from the construction phase and like one or two are renderings from the design phase of the project...I took these all from the Virginia Tech website. For my thesis,I need to use the fair use evaluator for all the pictures that are not my own and for that reason I am requesting your permission.

Hope this helped clarify my situation,

Wishing you have a great day,

Best,

Alba Taveras

On Friday, May 2, 2014, Waalkes, Ruth <rwaalkes@vt.edu> wrote:
Hello Alba, your request for use of photos was passed along to me. Is your thesis focused on the building/architecture, or other aspects of the arts here at Virginia Tech? I see no problem with using photos, do you find what you need on the university's website? I have copied Susan Bland here, she is our communications manager and can help you with images if you need assistance, or other information.

All the best,

Ruth

Ruth Waalkes
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From: Alba Taveras Marte [mailto:albatm@vt.edu]

Sent: Tuesday, April 29, 2014 10:15 PM

To: Donohoe, Patrick

Subject: Photos Use Permission

Dear Mr. Donohoe,

I am writing to you because I would like to request permission for the use of several pictures of the Center for the Arts at Virginia Tech for my thesis document

Please let me know what is the procedure that I need to follow.

Thank you so much in advance,

Best,

Alba Taveras