The BIMForum
A Brief History and Introduction
October 9, 2014
38% of carbon emissions in the US are from buildings, not cars. 

USGBC 2007 website
30% of projects do not make schedule or budget

CMAA Industry Report 2007
92% of project owners said that architects’ drawings are typically not sufficient for construction.

CMAA Owners Survey 2005
of the cost of a project are non-discretionary change orders

Schwartzkipf, William. Calculating Lost Labor Productivity in Construction Claims, 2nd Ed. ©2004
37% of materials used in the construction industry become waste

Movement for Innovation Industry Reports and Economist Magazine 2002
CONSTANT $ OF CONTRACTS/WORKHOURS OF HOURLY WORKERS


© 2013 Tocci Building Corporation
2006 Vendor “Shoot out”
2007 BIM Execution Plan | Boston
2009 Integrated Project Delivery
2009 The Rising Standard of Care
2011 BIM + LEAN
2011 ROI²

RETURN ON INNOVATION & RETURN ON INVESTMENT

BIMFORUM
WASHINGTON DC
NOVEMBER 2nd & 3rd, 2011

AGC of America

IMAGE © TOCCI BUILDING COMPANIES 2011
Paul Morrell

KEYNOTE PRESENTATION:
To BIM or not to BIM? Why should the Government Care?

Interest in BIM has gone viral in the UK. This represents both an opportunity and a threat. An opportunity because the industry is open to ideas that might lead to efficiency, reform, and growth as it faces new competitive challenges in the market both at home and abroad; but a threat because a good idea that is taken too soon risks over-inflating and then exploding before it delivers its promise. The means of working out where that balance is struck can only be found in the purpose of the whole exercise: collaboration.

The Cameron Administration recognizes the critical role of construction for Economic Recovery and Job creation and as a major factor in achieving the administration’s deficit reduction goal of 20% over the next four years. Paul is leading the administration’s implementation and the industry’s transformation in the UK, including implementing the Government’s recently announced BIM mandate for all publicly funded construction. In his words, the administration’s objective is “…to get more value out of our product and take more carbon out its creation and use—getting more for less in both cases”.

About Paul Morrell:
Paul Morrell took up the post of HM Government’s Chief Construction Advisor in November 2009 after retiring from Davis Langdon where he had worked since joining from university in 1971. He became a Partner at the firm in 1976 and Senior Partner in 1999. He is a Fellow of the RICS and of the ICE, an Honorary Fellow of the RIBA, and served as a Commissioner on CABE from 2000 to 2008. Finishing as Deputy Chairman, Paul received the Award for Outstanding Contribution to the Construction Industry at the 2007 Building Awards and was awarded an OBE (Order of the British Empire (next step to knighthood)) for services to architecture and the built environment in 2009 New Year Honors list.

NOVEMBER 2-3, 2011
REGISTER
Deadline: October 28, 2011

The LC BIMForum on November 2-3, 2011 will explore all of these aspects of ROI. In attempt to determine who is benefiting, in what ways, and how to begin measuring the returns we know exist, but have had difficulty quantifying.
James Timberlake

BIMFORUM

July 19-20, 2011
When Does Design End and Construction Begin?

REGISTER
Click Here to find more information on the conference and register.

EVENT INFORMATION
July 19 - 20, 2011

Miami, FL
333 East Wacker Dr.
Chicago, IL 60601

Fees: $550

Unit 3 and Unit 4 of the AGC
BIM Education Program will be
offered at the July BIMForum in
Chicago.

July 18 - 7:00 AM-9:00 PM
Unit 3: BIM Contract Negotiation
and Risk Allocation

July 19 - 1:30 PM-5:30 PM thru
July 21 - 7:00 AM-Next
Unit 4: BIM Process, Adoption,
and Integration

NEW KEYNOTE SPEAKER:
James Timberlake, FAIA
Partner, Kieran Timberlake

James Timberlake is a partner at
Kieran Timberlake, an American
architecture firm internationally recognized
for its beautifully crafted, thoughtfully
made buildings that are holistically
integrated to site, program and people.
Kieran Timberlake is noted for its fusion of
research with architecture, receiving over
one hundred design citations including the
2006 Architecture Firm Award from the
American Institute of Architects, and the
2010 Cooper-Hewitt National Design
Award for Architecture from the
Smithsonian Institution.

Established in Philadelphia in 1984,
Kieran Timberlake has produced a diverse body of work for clients
drawn to its environmentally ethical and innovative design. Their client
list includes the Sidwell Friends School in Washington, DC; Yale
University in New Haven, CT; Brad Pitt’s Make It Right Foundation in
New Orleans, LA; and The Museum of Modern Art in New York, NY.
They are currently engaged in projects across the United States in
California, North Carolina, Pennsylvania, Texas and Washington, DC,
and internationally in Malaysia and Singapore. In 2010 the firm won a
high profile competition to design the United States Embassy in
London.

James and his partner, Stephen Kieran, received the first Benjamin
Latrobe Fellowship for architectural design research from the AIA
College of Fellows in 2001. Timberlake has co-authored several
books, including Manual, The Architecture of Kieran Timberlake,
refabricating Architecture, and Lobolly House. Elements of a New
Architecture, Kieran Timberlake’s latest book, Calliphane House™
was released as an eBook in early 2011, and a new monograph is due
out in September 2011.
The Human Side of BIM

10% Technology

90% Sociology
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<thead>
<tr>
<th>Focus Areas</th>
<th>Owners</th>
<th>Designers</th>
<th>Builders</th>
<th>Technology Providers</th>
<th>Educators</th>
<th>Attorneys, Brokers and Bankers</th>
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<td>Policy and Standards</td>
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<td>Produce and publish up-to-date standards used to procure and produce efficient BIM projects.</td>
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<td>Research and Development</td>
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<td>Develop research to quantify the productivity gains made by the use of BIM in Construction</td>
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<td>Industry Leadership and Advocacy</td>
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<td>Encourage the adoption of BIM for full-project use to benefit to owners, contractors and A/E's</td>
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<td>Education and Training</td>
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<td>Define best practices, develop standards and educate practitioners on practices and standards</td>
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<td>Risk and Insurance</td>
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<td>Define and quantify risk profile and demonstrate with actuarial data that BIM decreases design and Construction Risk</td>
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LOD Specification

B10110 10 – Floor Structural Frame (Steel Framing Braiding Rods)

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<tr>
<th>Level</th>
<th>LOD</th>
<th>Description</th>
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<tbody>
<tr>
<td>100</td>
<td>1</td>
<td>See B1010</td>
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<td>200</td>
<td>2</td>
<td>See B1010</td>
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<td>300</td>
<td>3</td>
<td>Specific size of main structural members modeled per-structure grid with correct orientation. Required non-graphic information associated with model elements includes: Structural steel materials.</td>
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<td>350</td>
<td>4</td>
<td>Connection details. Actual elevation and location of member connections. Large elements of typical connections applied to all structural elements such as base plates, gusset plates, and other parts. Any miscellaneous steel members with correct orientation.</td>
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<td>400</td>
<td>5</td>
<td>Welds, bolts, nuts, etc. All assembly elements.</td>
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Patrick MacLeamy

Optimizing Design with BIM
April 23-24, 2014
Boston, Massachusetts

KEYNOTE SPEAKER
Patrick MacLeamy FAIA, LEED® AP
Chairman + Chief Executive Officer

As HOK’s chairman and chief executive, Patrick MacLeamy, FAIA, LEED AP, leads the firm’s strategic vision and direction. He is based in San Francisco.

Patrick is an advocate for transforming the fragmented nature of the building industry to a vertically integrated, highly efficient system that emulates the manufacturing industry. He has supported this vision as a founder and chairman of buildingSMART International, an organization that fosters open, interoperable standards for data exchange in the building industry.

What is the value of BIM over time?

“I believe that owners can save enough money during building operations to pay for a substantial part of the design and construction of that building. The real promise of BIM is better design, better construction and better operations.”

REGISTER
Registration Fee:
$495 before 3/1/2014
$650 after 3/1/2014

Hotel Information:
Renaissance Boston Waterfront Hotel
606 Congress Street
Boston, MA 02210
Room Reservations

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