BLD121479 - Revit Stakeholder Panel: Revit Stakeholders Discuss Standards in Branded Families

Jim Conger
Sweets / Dodge Data & Analytics
Panel Introduction and Format

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  - Owner, Architect, Engineer, Contractor, Manufacturer, BIM Consultant
- Q&A
  - “Office Hours” Today from 5:30 to 6:30 in this room
    (snacks and beverages provided)
  - www.BimJim.com online platform for Q&A and Comments
Presenter

Jim Conger
Sweets / Dodge Data & Analytics
BIM/Specification Specialist

- Works with North American AECO and Manufacturers to educate and drive innovations in workflow communications
- Autodesk Alumni that has also worked on the manufacturing, distributing, and contracting side of construction
- Working to improve workflow efficiencies for the industry by increasing the quality and quantity of product specific BIM tools provided by Building Product Manufacturers

Join the Q&A at www.BimJim.com and join us at our Office Hours tonight from 5:30 to 6:30
Owner

Joe Porostosky
Ohio State University
Director, Facilities Information and Technology Services

- Leader of the BuckeyeBIM initiative bringing BIM to existing buildings and current design & construction.
- Manager of the FITS team for last 9 years providing active and strategic leadership
- Redefined his groups workflow by using technology in new and inventive ways
- Also Presenting at AU 2017 “Developing and Implementing an Owner-Specific BIM Project Delivery Standard”
Architect

- Manages the application of design technology to project workflows for HNTB’s architecture studios nationwide.

- Designs and develops technology initiatives, implements project data analysis / visualization techniques, and coordination of best practices, standards, training and employee development.

- Notable projects: Las Vegas Raiders Stadium, LAX multiple terminals, Wilshire Grand Center, Disney Resort - Shanghai

Ally Polancic
HNTB
Manager of Design Technology

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Engineer

Laura Halverson
Affiliated Engineers, Inc.
Principal

- Leads AEI in serving her firms clients including those in higher education, healthcare, and research.
- Registered Professional Engineer and LEED accredited
- Key leader within AEI’s BIM Innovation Leadership Team aiming to leverage BIM to meet both design and client needs
- Extensive experience with NIH and NIAID.

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Contractor

- Manages collaborative efforts with all stakeholders to use the model to benefit the project from preconstruction to turnover
- Leads the effort to standardize Gilbane’s VDC infrastructure
- Manages strategic implementation of technology assets
- Specialized experience in mission critical projects

David Joslin
Gilbane Building Company
VDC Manager

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Manufacturer

Mansell Howe
Uponor
CAD Administrator

- Manages numerous product and BIM/CAD content databases as well as supports the multi-platform software needs for 35 designers at Uponor
- Heads up Uponor’s BIM strategy, including the creation of their BIM library to assist designers to efficiently implement their solutions into their models
- Also presenting at AU 2017 “The CAD Manager Wish List – 2017 Edition Roundtable”

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BIM Consultant

Louise Buchanan
Microdesk
Business Development Manager

- Manages a team of designers that create Revit content and apps for manufacturers, architects, engineers, contractors, and owners
- Specializes in assisting organizations with BIM implementation processes and educating manufacturers on fabrication and design stakeholder needs.
- Extensive experience with BIM adoption processes, training, BIM management, and custom configuration services.

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# OSU LOD Matrix

**Join the Q&A at [www.BimJim.com](http://www.BimJim.com) and join us at our Office Hours tonight from 5:30 to 6:30**

## LOD Matrix of BIM Deliverables

<table>
<thead>
<tr>
<th>Model Elements (Utilizing CSI UniFormat 2010)</th>
<th>Design Intent BIM</th>
<th>Trade Coordination BIM</th>
<th>Conformed Design Intent BIM</th>
<th>LOD Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B2050 – Exterior Doors and Grilles</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B2050.10 – Exterior Entrance Doors</td>
<td>300</td>
<td>300</td>
<td></td>
<td>Y (A)</td>
</tr>
<tr>
<td>B2050.20 – Exterior Utility Doors</td>
<td>300</td>
<td>300</td>
<td></td>
<td>Y (A)</td>
</tr>
<tr>
<td>B2050.30 – Exterior Oversize Doors</td>
<td>300</td>
<td>300</td>
<td></td>
<td>Y (A,B)</td>
</tr>
<tr>
<td>B2050.40 – Exterior Special Function Doors</td>
<td>300</td>
<td>300</td>
<td></td>
<td>Y (A)</td>
</tr>
<tr>
<td>B2050.60 – Exterior Grilles</td>
<td>200</td>
<td>200</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>B2050.70 – Exterior Gates</td>
<td>200</td>
<td>200</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>B2050.90 – Exterior Door Supplementary Components</td>
<td></td>
<td></td>
<td></td>
<td>5, 6 Y (A)</td>
</tr>
</tbody>
</table>

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**Notes:**
- LOD: Level of Detail
- MEA: Model, Engineering, Administration
- Asset Tag & COBie Required (Notes)
OSU Asset Attributes

- Revit Asset ID
- Asset Tag
- Asset Description
- Building Number
- Floor Number
- Room Number
- Manufacturer
- Model Number
- Serial Number
- Contractor
- Warranty Start Date
- Warranty Duration
- O&M Documentation Link (to Box)
- Installed Date

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### Materials and Finishes
- **Ring Material**: Polypropylene - Uponor - Polyethylene - White
- **Fitting Material**: Plastic - Uponor - Polyethylene - White

### Structural
- **Unit Weight (default)**: 0.13 lb
- **Overall Width (default)**: 0.115/128" = \( \text{Main Pipe Outside Radius} \times 2 \)
- **Overall Length (default)**: 6.51/128" = \( \text{size_lookup} \) "Fitting-Multiport_Tee_Uponer"
- **Overall Height (default)**: 0.115/256" = \( \text{size_lookup} \) "Fitting-Multiport_Tee_Uponer"
- **Nominal Radius 2 (default)**: 1/4"
- **Nominal Radius 1 (default)**: 3/8"
- **Nominal Diameter 2 (default)**: 1/2"
- **Nominal Diameter 1 (default)**: 3/4"

### Mechanical
- **Maximum Working Temperature**: 210.00°F
- **Loss Method**: Not Defined
- **K Coefficient Table**: =
- **K Coefficient**: =
- **Mechanical - Loads**: Maximum Working Pressure 150,000 psi
- **Other**: Custom (default) =

### Identity Data
- "How do I manage family types?"

### Diagram Details
- The diagram shows various radii indicated as "Radius."
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