ARCOM One: SpecBuilder Cloud’s Open API

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ICIS – Jun 8, 2015
Brno, Czech Republic
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Headquartered in Salt Lake City, Utah with an additional office in Alexandria, Virginia

Best known for its flagship product – AIA’s MasterSpec®. ARCOM is also the owner and publisher of SpecText® – master guide specifications for infrastructure projects

Advanced productivity software tools

45 specification experts, editors, software developers, and support professionals

Productivity software and decision-making tools

Cloud-based resources, product, manufacturer, and sustainable design information
Current User Base

- Majority utilizing MS Word (limited control over licensing)
- Smaller portion using Q&A tools to edit specs (strong per seat licensing)
ARCOM One and SpecBuilder

ARCOM One – Cloud based project and collaborative platform
SpecBuilder – Guided selection Q&A based spec editor
Current Platforms using SpecBuilder

- Specbuilderexpert.com
- BPM Branded
- MPI
- Private BPM’s
ARCOM One

- New ARCOM One platform will provide MasterSpec editing and collaborative project capabilities in the cloud.

- “Add it to my project” button that allows Architects and Engineers to utilize the websites of ARCOM trusted partners to select “self-editing” products that are added to their specifications at ARCOM One.
ARCOM One Workflow

- Project Setup
- Assembly
- Work Area
- Output
Project Setup

- Collaboration
- Project Defaults
Assembly - Challenge

- Provide intuitive way to assemble sections
  - New, saved, manufacturer specs, MS Word docs
- “Hybrid Environment” – Projects comprised of a variety of document types
- Each user will have access to different licensed content
- 3rd party collaborators must be able to upload MS Word section
Assembly

- Assemble from 4 document types:
  - MasterSpec
  - Product MasterSpec
  - Saved Sections
  - MS Word Docs

- Free Projects
  - Product MasterSpec

- Paid Projects
  - Full MasterSpec Library
ISO Development

- Allows creation of “fluid” interfaces
- User can adjust their environment
- Eliminates the need for multiple screens
Work Area - Challenge

- Different workflow capabilities dependent on what type of document the user has selected.
- Need to identify tasks and capabilities in an intuitive way that doesn’t require “educating” the user about each capability.
Work Area

- 4 columns
- Connectors
- SpecBuilder
- Review
- Progress

- Workflow by document type
- Different capabilities dependent on whether they fulfill section with connector capable version, MS Word doc

- Tasks
SpecBuilder

- Q&A
- Manufacturer Tool
- Sustainability Tool
- Options Editing
Questions:

This Section includes:

**Answers**

- Interior gypsum board.
- Exterior gypsum board for ceilings and soffits.
- Tile backing panels.
- Texture finishes.
SpecBuilder – Unique Features

- Inline Editing
- Ghost bar
Inline Editing

- One click toggle options on/off
- Inline editing – click to type

4. Finish Coat: For third coat, use [setting-type, sandable topping] [drying-type, all-purpose] compound.

5. Skim Coat: For final coat of Level 5 finish, use [setting-type, sandable topping compound] [drying-type, all-purpose compound] [high-build interior coating product designed for application by airless sprayer and to be used instead of skim coat to produce Level 5 finish].

D. Joint Compound for Exterior Applications:

1. Exterior Gypsum Soffit Board: Use setting-type taping compound and setting-type, sandable topping compound.
Ghost bar

- User can click to turn on/off related text
- Easily displays relationships
Output

- PDF only in per project
- Project API – shared print platform and combined TOC for partners
Shared Project API

- Trusted Partners can create both free projects and users on ARCOM One
- ARCOM One users must still acquire a license to MasterSpec content to fill out the project
- Partners share limited usage information between them
- Shared print capability in early stages
  - Combined TOC, print interface that assembles project files from all partners
Mapping Outside Data to Specs

- Allows outside systems to provide data that “automates” the spec editing process
- 2 general types of API
  - Connectors – designed for outside “expert systems” to provide design guidance
    - Wizards, BPM “product configurators”
  - A1IDs – product level
    - “Products under consideration”
Connectors - MPI

- Master Painting Institute
  - Existing “Decision Tree” guides users
  - No specification capability with their existing process (users must begin again with specs)
  - Decision Tree delivers a stream of variables
  - Mapping selects sections, answer Q&A, direct edits
The MPI to MasterSpec workflow allows the Specification Writer to create a specification informed by the choices made within the MPI Decision Tree.

Step by step...

1. Click "begin" to access the MPI Decision Tree and choose the systems required for your project.
2. Once you have selected all the paint and coating systems required in your project click the "Export to SpecBuilder+Expert" button. The interface will import your choices to the SpecBuilder+Expert platform and present the relevant sections for further editing.
3. Select the sections and Specification provider you wish to use in your project.
4. The selections made within the MPI Decision Tree will be transferred to SpecBuilder+Expert. After answering the remaining questions, your completed specification will be available in MS Word.
A1IDs – Shared Product API

- Shared Manufacturer DB – Manufacturers update in one location, pushed to all participating partners
- Each product assigned 6 digit code
- All automation for editing stays on host system
Mapping A1ID’s to Specs

- Instructions per section version
- Q&A
- Direct text edits
- Designed for user review - “Products Under Consideration” before addition to section
<table>
<thead>
<tr>
<th>Connector</th>
<th>SpecBuilder</th>
<th>Review</th>
<th>Progress</th>
</tr>
</thead>
<tbody>
<tr>
<td>030130 Maintenance of Cast-In-Place Concrete</td>
<td>Begin with SpecBuilder</td>
<td>Review with SpecBuilder</td>
<td></td>
</tr>
<tr>
<td>033000 Cast-in-Place Concrete</td>
<td>Begin with SpecBuilder</td>
<td>Review with SpecBuilder</td>
<td></td>
</tr>
<tr>
<td>092000 Gypsum Board</td>
<td>Begin with SpecBuilder</td>
<td>Review with SpecBuilder</td>
<td></td>
</tr>
<tr>
<td>093023 Glass Tiling</td>
<td>Begin with SpecBuilder</td>
<td>Review with SpecBuilder</td>
<td></td>
</tr>
<tr>
<td>099113 Exterior Painting</td>
<td>Begin with SpecBuilder</td>
<td>Review with SpecBuilder</td>
<td></td>
</tr>
<tr>
<td>099123 Interior Painting</td>
<td>Begin with SpecBuilder</td>
<td>Review with SpecBuilder</td>
<td></td>
</tr>
<tr>
<td>221113 Facility Water Distribution Piping</td>
<td>Begin with Decision Tree</td>
<td>Review with SpecBuilder</td>
<td></td>
</tr>
</tbody>
</table>

Tasks
- Limits of Measure have not been set. Set IP | Set SI |
  Ignore

Products Under Consideration
- Make Zurn Industries, LLC/Model ZW109 added from Zurn as the Basis of Design for Water Control Valves... Add | Delete Task | Review Task | Product Page

<table>
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</thead>
<tbody>
<tr>
<td>221119 Domestic Water Piping Specialties</td>
<td>Begin with SpecBuilder</td>
<td>Review with SpecBuilder</td>
<td></td>
</tr>
<tr>
<td>221390 Sanitary Waste Piping Specialties</td>
<td>Begin with SpecBuilder</td>
<td>Review with SpecBuilder</td>
<td></td>
</tr>
<tr>
<td>221423 Storm Drainage Piping Specialties</td>
<td>Begin with SpecBuilder</td>
<td>Review with SpecBuilder</td>
<td></td>
</tr>
</tbody>
</table>
Add Products from Anywhere

- Manufacturers can create their own “button code” that allows individual A/E’s to save products on their corporate website for use on ARCOM One.
Button API

- Button can be added to any site coded to A1ID
- Similar to Facebook Like or Google +1
- API identifies user, adds product to project or permanent library
Personal Product Library

- Available for future projects
- Personal library updates and BPM’s make adjustments to Master Library
Greenwizard – Content Aggregator

- Partner focused on product selection for green projects
- Service A/E/C and Building Product Manufacturers
- Pre-existing detailed project creation and reporting
- No specification capability for users (users must begin again with specs)
Create a new Project

Summary
Project Name: Demo Project
Description:
Characters remaining: 900

Image/Logo
None selected
Choose File: No file chosen
Image will display on dashboard at 100x100

Address Line 1: 1033 Light St
Address Line 2:
City: Baltimore
State/Region: Maryland
Zip/Postal Code: 21230-4017
Country: United States

Total Sq Footage: 64500 sq ft
Budget: $960000

Building Type: Commercial
Building Use: Office: Mixed-Use
Delivery System: Design/Build
Project Stage: Beginning of Construction

Project Contact Information
What do we do with this information and why is it important?

Please identify the appropriate project person or persons to be contacted regarding materials selection and specifications

We would prefer to be contacted by local representatives who typically work with this office.

Primary Project Contact
Demo Person
GreenWizard Consulting
brent@greenwizard.com

Project Specifier Contact
Not Provided

Add
Change
Questions?