Simplifying the Specifications Process



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Introductions



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RIB Software is a pioneer in the digitization of the construction industry. Since 1983, **SpecLink** has provided advanced specification and interoperability solutions

Key Relationships

- The Construction Specifications Institute (CSI)
- Construction Specifications Canada (CSC)
- Autodesk Developer Network
- Microsoft Gold Certified Partner





- Review specification output format options:
 - Full Spec
 - Short Form
 - Outline
 - Sheet Specs
- Who uses Sheet Specs and why?
- What do **Sheet Specs** look like?

 Review how Sheet Specs have been used to date – obstacles and issues

Typical Sheet Specs Workflows

- Creating Sheet Specs in SpecLink
 Cloud
- Integrating Sheet Specs into AutoCAD
- Integrating Sheet Specs into Revit
- Questions & Answers



Full Specs

- Full Project Manual
- Three-part CSI MasterFormat[™] specification section:
 - **PART 1–GENERAL**. Describes administrative, procedural, and temporary requirements unique to the section. PART 1 is an extension of subjects covered in Division 01 and amplifies information unique to the section.
 - **PART 2–PRODUCTS**. Describes products, materials, equipment, fabrications, mixes, systems, and assemblies, and their quality requirements, that are required for incorporation into the project.
 - **PART 3–EXECUTION**. Describes installation or application, including preparatory actions and post installation cleaning and protection. Site-built assemblies and site-manufactured products and system are included.

"Formats" in The CSI Project Delivery Practice Guide



Short Form Specs

Brief 3-Part spec sometimes used for design development or more typically as a final spec for less complicated projects.

Short Form specifications might be used for any project, though some types of projects lend themselves more readily than others:

- **Small Projects:** Projects of limited extent and cost.
- Design-Negotiate-Build Project Delivery: Where a contractor has had previous experience with the owner or A/E on a similar project type.
- Design-Build Project Delivery: Because the A/E and the contractor are associated, coordination and communication are improved. The reduced detail level increases flexibility in product selection, subcontract negotiation, and installation. The Design-Builder makes most of the decisions.
- Owner-Build Project Delivery: Reduced administrative and installation details are means more of the decision making will be done by the owner.
- Interior Design and Tenant Improvement Projects: These projects often involve standard finishes installation, furnishings, and equipment. An acceptable level of detail may be specified by use of reference standards.
- **Single-Prime Contract:** Simple projects generally have fewer complex administrative issues.

"Formats" in The CSI Project Delivery Practice Guide

Outline Specs

- An outline specification presents pertinent data in brief, concise statements, *sometimes using the streamlining technique*.
- They are used in later Schematic Design (SD) or Design Development (DD) phases.
- Using the three-part SectionFormat[™] is not required but listing the information in the same sequence will simplify production of the project specs later.
- Primarily contains the key text in Part 2 and is more often used at an early project stage.
- Printed by division, without paragraph number.

"Formats" in The CSI Project Delivery Practice Guide



Sheet Specs



parties

Sheet Specs Goals

Problem to solve:

Architectural firms, independent spec writers, owners, and others need to create variations of specifications that are shorter than full specs, yet more detailed than current outline/short form to provide the proper level of detail needed for limited scope work.

Typical Examples

Small jobs where contractor is known

Tenant fit outs

Strip malls

Renovation work

Projects not going out to bid

These projects are limited in scope and rarely require a full project manual.

SpecLink

Who Uses Sheet Specs?



Owners



Architects



Anyone needing to provide the proper level of detail needed for limited scope work



This is becoming a growing trend in the industry, as an alternative to full project manuals



Sheet Specs to Date

- Inconsistent approach
- Challenges with formatting and technology
- Difficult to update and maintain
- Extremely time consuming



" Because there has been a lack of tools and guidance in how to incorporate spec information on drawing sheets, many firms forego specs altogether for small projects. I don't think this serves anyone very well, so that is what has driven me to create my own master for sheet specs. "

- Amy Baker, Amy Baker Architects



What do Sheet Specs look like?



RIB running together

Typical Sheet Specs Workflow in SpecLink

- SpecLink Cloud's Sheet Specs feature lets you standardize and maintain a central project file that can be exported to short form, outline, full specs, or sheet specs.
- The Sheet Specs feature is part of **ALL** SpecLink Cloud subscriptions



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Steps for Importing Sheet Specs into AutoCAD®

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AutoCAD

Select From the Insert tab in the AutoCAD file, select PDF Import. Locate and select Locate and select the PDF generated by SpecLink Cloud and click Open. Select From the Import PDF box, select the page of the PDF you wish to import. Select In the Location area, select "Specify insertion point on-screen". MODEL MODEL SPACE USERS ONLY - In the Location area set the scale factor to 12. In the PDF Data to Import area of the PDF Import box, select: Vector Geometry with solid fills, True Type Text, Raster Select Images Select Select OK to close the Import PDF box. Select Select a point representing the lower left-hand corner of the file to place the PDF on the sheet.

Steps for Importing Sheet Specs PDF into Revit®



Revit



SpecLink

Q & A

Questions & Answers



Review

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