



13: INTERIOR GLASS GUIDE SPECIFICATION

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DEVIL'S DETAIL

INTERIOR GLAZING

The growing popularity of interior glass and the tax implications of demountable partitions have dramatically increased the amount of glazing in commercial interiors. Architects, interior designers, owners, and tenants all see the value of interior glass to maximize light and views while offering a contemporary appearance.

Commercial office furniture manufacturers have also embraced the look of glazing, with many companies now offering demountable glass partitions as part of systems interiors and furniture collections. Whether incorporated into modular components or provided as individual partition elements, glass provided by a furniture dealer is generally NOT INSTALLED BY A PROFESSIONAL GLAZIER. Instead, the glass falls into the overall furniture package and is installed by a furniture installer.

PRIORITY EDUCATION

AGI has prioritized education about the topic of interior glass partitions. Cautions and concerns ranging from installer training to cost considerations are addressed in multiple AGI documents including the [INTERIOR DEMOUNTABLE WALLS: FACTS TO KNOW](#) sheet and the detailed [INTERIOR DEMOUNTABLE WALLS EXPERTISE](#) brochure.

Pre-manufactured interior glass partitions – such as those provided in systems furniture packages – often do not provide the same level of design flexibility as fully customized, glazier-provided systems. An AGI member glazing contractor has the ability to select parts and pieces from different manufacturers and design solutions that meet functional and aesthetic goals.

AGI aims to assist both the architect who is writing specifications without a contractor and the contractor who is supporting specifications development.

GUIDE SPECIFICATION

To simplify the specification-writing process and further educate the design community, AGI recently produced the [ARCHITECTURAL GLASS INSTITUTE GUIDE SPECIFICATION](#) for interior glazing. Produced in conjunction with specifications consulting firm, Conspectus, Inc., the guide specification is intended to be edited for specific project requirements. Compatible with styles used in ARCOM MasterSpec® the guide can be easily reformatted to the user's preferences.

CONCISE & CUSTOMIZABLE

Conceptually, the document functions as a fully customizable kit of parts for specification writing related to interior glazing. Contractors and design professionals alike can use the document as a baseline for writing specifications tailored to their particular project needs. Notations within the document clearly indicate editing options and where user-specific text should be inserted.





Above: Interior glazing offers natural light, views, acoustic privacy, and a clean, contemporary appearance.

Below top: demountable interior glazing detail

Below bottom: non-demountable, fixed interior glazing detail

WHAT'S INCLUDED

The AGI Guide Specification includes sample specification language and instructions for:

1. Permanent glazed interior partitions
2. Demountable glazed interior partitions
3. Glazed aluminum doors installed in glazed partitions
4. All-glass doors installed in glazed partitions.

From discussion topics for pre-installation meetings to final protection and cleaning of interior glazing, the AGI Guide Specification includes the required information to make specification writing easy and efficient.

FACTORS TO CONSIDER

As with any specification writing, the focus and purpose should be on ensuring owner requirements and design intent are met. The AGI Guide Specification offers a *starting point* to share information among design and construction professionals, reduce inconsistencies, and build a path to successful projects.

AGI welcomes your feedback on the first edition of the guide. If you have questions or comments, or if you would like an overview session about how to use the document, please email.



SAMPLE PAGE

Text in **bold** within square brackets [] are editing options.

2.2 PERMANENT GLAZED [PARTITIONS] [PARTITION TYPE <insert designation>]

A. Framing Components:

1. Configuration: [Floor-to-ceiling.] [Partial height space divider.]

Meaningful Sound Transmission Coefficient ratings are only practical where the partition framing manufacturer has tested its assemblies, which may require laminated glass or double glazing to achieve higher STC rating.

2. STC Rating: <insert number>.

Delete next subparagraph if partitions are wood framed.

3. Frame Type: [4-sided glass capture with gasket glazing.] [Top and bottom channels for full-height partitions with butt-glazed vertical joints.] [Bottom channel for space divider with butt-glazed vertical joints.]

First "Framing Materials" subparagraph is for custom wood system. Next subparagraph has metal framing.

4. Framing Materials: Custom fabricated wood framing specified in Section [06 2023 Interior Finish Carpentry.] [06 4800 Wood Frames.]
5. Framing Materials: Standard manufactured [extruded aluminum] [formed steel] components with internal reinforcement for door hardware.

Choose one of the two following alternative methods.

- a. Basis of Design: <manufacturer name; product designation>.
- b. Other Acceptable Manufacturers:
 - 1) C.R. Laurence; www.crlaurence.com.
 - 2) Frameworks Manufacturing; www.frameworks.com
 - 3) Wilson Partitions; www.wilsonpart.com
 - 4) <manufacturer name>.

Use following subparagraphs to list specific products:

- c. C.R. Laurence; <insert product designation>.
 - d. Frameworks Manufacturing; <insert product designation>.
 - e. Wilson Partitions; <insert product designation>.
 - f. <manufacturer name; product designation>.
6. Framing Finish:
 - a. Clear Anodized Finish: AAMA 612 or AAMA 611; [AA-M12C22A41, Class I, 0.018 mm] [AA-M12C22A31, Class II, 0.010 mm].
 - b. Color Anodized Finish: AAMA 612 or AAMA 611, [AA-M12C22A42/A44, Class I, 0.018 mm] [AA-M12C22A32/A34, Class II, 0.010 mm].
 - 1) Color: [Light bronze] [Medium bronze] [Dark bronze] [Champagne] [Black].

Text in green provides helpful information and instructions.

Angle brackets < > are used to indicate where user text is to be inserted.

Fixed interior partitions are usually specified in Division 08.
Demountable partitions are usually specified in Division 10,
but can be specified in Division 08 if preferred.



*To add value and reduce risk,
we must look beyond the drawings to
understand constructability and functionality
at a deep and practical level.*

—DAVID STUTZMAN
PRINCIPAL, CONSPECTUS, INC.

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CREATING VALUE. REDUCING RISK.
WHERE DESIGN AND CONSTRUCTION MEET.

ABOUT CONSPECTUS, INC.

As the nation's largest independent specifications consulting firm, Conspectus is known for consistently going beyond expectations to mitigate risk and add value for all construction project stakeholders. Since 1992, the firm has provided high quality, industry-leading specifications and related consulting services on thousands of projects for some of the most prestigious design and engineering firms, government agencies, and private entities domestically and internationally.

Working at the intersection of design and construction, Conspectus brings a unique perspective to every engagement. With a deep understanding of value and risk at all stages of a project, multidisciplinary perspective, spirit of innovation, and mastery of specifications technology, Conspectus partners with owners, architects, contractors, design-builders, and other stakeholders to help shape and lead the future of our industry. For more information, visit www.conspectusinc.com.

David Stutzman, AIA, CSI, CCS, and Louis Medcalf, FCSI, CCS, of Conspectus developed the AGI Guide Specifications in collaboration with AGI Director of Marketing Stephanie Staub. Stutzman is the owner and founder of Conspectus. He is based in the firm's Tuckahoe, N.J., office. Medcalf is a senior specifier based in Nashville, Tenn.

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About the Devil's Details

The AGI educational series illustrates and describes common glazing challenges as a means to communicate best practices for the design and construction industry, not as a sole source for design guidance. AGI recommends design professionals consult with an AGI contractor regarding specific project challenges. AGI contractor profiles may be accessed at www.theagi.org. To share a devilish detail of your own, contact info@theagi.org.