

tech-checking details general guidelines

DETAILS

Details show how building materials and systems interface, and include detailed dimensions and material noting.

A DETAIL is a drawing explanatory of another drawing, indicating in detail and at a larger scale the design, location, composition, and correlation of elements and materials.

AIA Manual of Practice

NUMBERS

Details have two numbers as follows:

- One number follows the UNIFORMAT Classification System: This number is different for each detail.
- A second number follows the MASTER FORMAT Classification System: This number is common to a family of details that describe the same component of the building. This number is the TAG to the specification section that describes the assembly the detail belongs to.

TECHNICAL REVIEW

Review the following as applicable to the assembly being detailed:

- Sources: Manufacturers, fabricators, associations, Architectural Graphic Standards, standards, etc.
- Constructibility: If possible, have the detail reviewed by an installer, subcontractor, fabricator, manufacturer, or someone familiar with construction and conditions in the field.
- For information on Installation Methods, Usage, Sizes, and Modifications, Maintenance, Cost, consult with manufacturers and fabricators, associations, and standards.
- Check nomenclature, graphics, and conformance to drafting standards.
- Check Notation: Keep terminology constant and verify that it is correct. Avoid referring to "ways and means". Be lean, do not say more than it is necessary.
- Do not include information that belongs in the specs in the drawings, and vice versa.
- Do not include information which is already given by standards.
- Do not repeat.
- Take a "designer look" at the details and make sure that the details:
 - Show conditions which are not standard.
 - Show only what is needed to understand the design intent.
 - Show just what it needs to be shown.
 - Are arranged on the Drawings by families of details and location on the building, so they are easy to find and can be looked at by connected groups.
 - Details of the same family are grouped together (i.e. partition types match heads, etc.)
- Check that references are correct.

