

Automated Drawing Layout Engine

SYS-0024 / REV A / 2026.08.09

The layout engine treats a drawing sheet as a constrained design problem. It chooses a view arrangement, accounts for title-block space, fits geometry to the open area, and makes a final pass without erasing earlier placement decisions. The remaining work is broader geometry coverage and more visual regression examples.

STATUS	UNDER TEST
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CLASSIFICATION	SYS
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MATERIAL	CAD / GEOMETRY
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DISPOSITION	EXPERIMENTAL WORKFLOW
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TECHNICAL NOTES

A layout study for placing orthographic, isometric, and flat-pattern views inside the usable drawing area.

SPECIFICATION

VIEW TYPES	Ortho / iso / flat pattern
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CONSTRAINT	Usable open sheet
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KEY LESSON	Parent-view relationships
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STATUS	Regression testing
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DEVELOPMENT HISTORY

2026.08.09 / Rev A

Captured the view-placement rules and failure modes for a public study.

RELEASED MATERIAL / SOURCE LINKS

SYS-0024_layout-rules.txt

WORKFLOW / 3 KB

Awaiting public upload.

CONNECTED RECORDS

SYS-0022

<https://u225x.com/record/SYS-0022>

DAT-0004

<https://u225x.com/record/DAT-0004>

RETURN TO THE LIVING RECORD

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This PDF preserves the public notes at this revision. Visit the record for updates and attached images.

<https://u225x.com/record/SYS-0024>