

Drawing automation and multi-sheet/config drawings

CAD-056 / REV A / 2026.09.01

Generate a drawing structure from an explicit model/configuration-to-sheet mapping. Work on a copy first. Record application version, units and active document/configuration. Names below identify the catalogued workflow; they do not claim a particular button layout or verified implementation.

STATUS	Recovered/Partial
CLASSIFICATION	CAD
MATERIAL	CAD / AUTOMATION
DISPOSITION	PUBLIC / RECOVERED/PARTIAL
CATEGORY	CAD / Scanning / Automation
RECORD TYPE	how-to

TECHNICAL NOTES

Generate a drawing structure from an explicit model/configuration-to-sheet mapping.

GOAL

Run the first test described in this guide and record the result for drawing automation and multi-sheet/config drawings.

SOURCE STATE

Operational reference/specification; original rule or add-in source not inspected

PREPARATION / NOTES

Work on a copy first. Record application version, units and active document/configuration. Names below identify the catalogued workflow; they do not claim a particular button layout or verified implementation.

EQUIPMENT

- CAD / automation tool
- Representative test model
- Measurement or inspection method

METHOD / STEPS

1. Enumerate intended configurations or bodies and exclude reference-only items deliberately.
2. Select the approved sheet format, required views and scale rules.
3. Create views with explicit model/configuration references, then place tables and annotations in reserved areas.
4. Rebuild and inspect every sheet for missing geometry, duplicate names, view overlap and wrong configuration references.

THINGS TO WATCH FOR

Configuration names can change and sheets can retain stale references. A successful API call does not prove a view displays the intended body.

FIRST TEST / WHAT TO RECORD

The sheet index matches the model list one-to-one and each view shows the correct configuration.

RESULT / WHERE THIS STANDS

The sheet index matches the model list one-to-one and each view shows the correct configuration.

TROUBLESHOOTING

- Configuration names can change and sheets can retain stale references. A successful API call does not prove a view displays the intended body.

SPECIFICATION

TOOL PATH	CAD / automation tool
DELIVERABLE	HOW-TO
VALIDATION	Representative model / known dimension
STATUS	Recovered/Partial

DEVELOPMENT HISTORY

2026.09.01 / Rev A

Imported as an independent manifest record; public copy keeps uncertainty visible.

REFERENCE NOTES

SOLIDWORKS API reference

(<https://help.solidworks.com/2025/English/api/sldworksapiproguide/Welcome.htm>).

HOW-TO SOURCES

SOLIDWORKS API reference

<https://help.solidworks.com/2025/English/api/sldworksapiproguide/Welcome.htm>

RELEASED MATERIAL / SOURCE LINKS

[cad-056-public-summary.txt](#)

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/cad-056-public-summary.txt>

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/CAD-056>