

Organize Your Research with Workspace

01 Welcome to Open Construction Workspace

Welcome to Open Construction Workspace. This tutorial shows how to turn browsing into an organized research workflow. Workspace requires sign-in because it stores your saved resources and comparison lists for later use.



Organize Your Research with Workspace

A short walkthrough



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02 Sign In Using Available Methods

Start by signing in with any a trusted identity provider such as GitHub, Google, and ORCID, or sign in with a secure email link. OpenConstruction does not store or manage passwords.



Catalog

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Sign up

Discover open digital assets

for the built environment

171 DATASETS

111 MODELS

31 WORKFLOWS

34 OERS

All

Search datasets, models, authors, or tasks

LATEST CATALOG ADDITIONS

Proposed by @Building Informat...

MODEL2026

IDMXPPM neo-Seoul: An Open-Source Information Delivery Manual (IDM) Authoring Tool Compliant with ISO 29481-1 and ISO...

BIM/IFC · Process Modeling, Information Requirement Modeling, MVD Generation

Proposed by @Ajay JONEJA

DATASET2026

MEP Plant Room Pipe Routing Dataset

BIM/IFC · 7 models

Proposed by @Bharathi Kannan ...

DATASET2026

BIM-Edit Dataset

BIM/IFC, Text · 11 realistic + 36 synthetic models

Proposed by @Building Informat...

MODEL2026

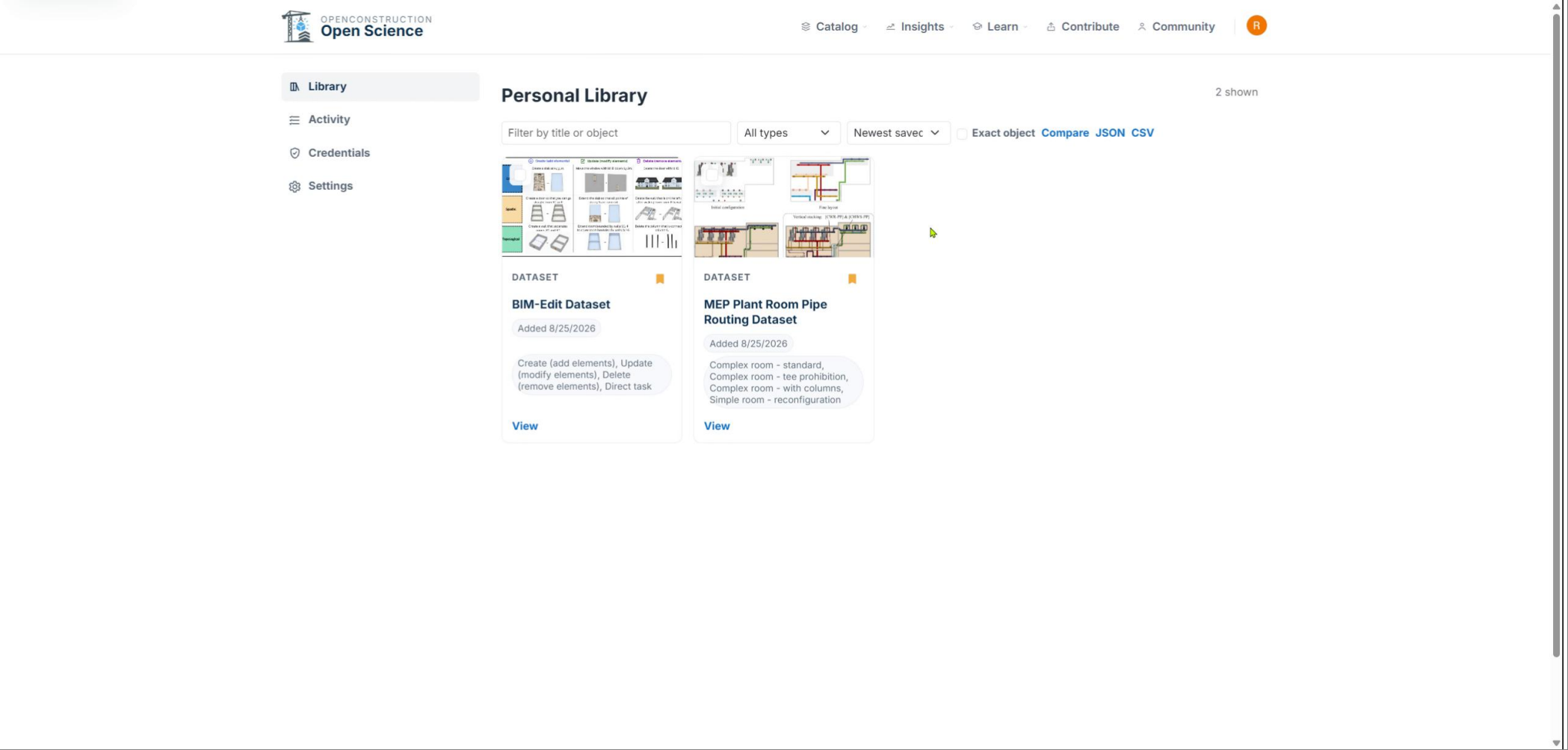
Augmented BIM Log-Basr > Real-Time Design Change Monitoring, Selective Rollback, and Design Patching

BIM/IFC, BIM Logs · Design Change Monitoring, Selective Rollback, Design Patching

Community digest

03 Browse and Save Relevant Resources

Next, browse the catalogs and save the resources that look relevant. For example, you might save a dataset.



04 Access and Review Saved Items

You might also save a model. Open the workspace to see resources you just saved. This turns one-time browsing into reusable research lists. You can also compare multiple items.

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Filters

Modalities

- ☐ 3D Point Cloud
- ☐ Aerial LiDAR Point Clouds
- ☐ Aerial RGB
- ☐ BIM/IFC
- ☐ Geospatial Data

Show all

Tasks

Search for tasks...

- ☐ 2D-to-BIM Reconstruction
- ☐ 3D Asset Retrieval
- ☐ 3D Object Detection
- ☐ 3D Object Grounding
- ☐ 3D Reconstruction

Show all

Licenses

Search for licenses...

- ☐ AGPL 3.0
- ☐ Apache-2.0
- ☐ CC BY 4.0
- ☐ CC BY-NC 3.0
- ☐ CC BY-NC 4.0

Show all

Release year

Proposed by @Ajay JONEJA

MEP Plant Room Pipe Routing Dataset 2026

BIM/IFC

7 models · Classes 7

[View details](#) Added 2026-08-26

Proposed by @Bharathi Kannan Nithyanan...

BIM-Edit Dataset 2026

BIM/IFC, Text

11 realistic + 36 synthetic models · Classes 6

[View details](#) Added 2026-08-26

Proposed by @Daniel Schulz

Electrical Installation Symbols from Architectural Plans (ELINA) Dataset 2025

Synthetic RGB image

7,200 samples · Classes 1

[View details](#) Added 2026-08-21

Proposed by @Xuguang Wang

SeisMLLM-1K: A Multimodal Dataset for Post-Earthquake Building Safety Evaluation 2026

Ground RGB, Text

3,856 images (1,306 cases) · Classes 3

[View details](#) Added 2026-08-20

Proposed by @Andrea Carrara

CubiCasa5k-ScanShift 2026

Rasterized CAD images

4996 models · Classes 6

[View details](#) Added 2026-08-19

Proposed by @Human-centered Construct...

Construction Specification Layout Detection Dataset 2025

Multimodal construction documents (text + tables + figures)

1109 documents · Classes 9

[View details](#) Added 2026-08-11

Proposed by @Siming He

FARM-Scenes Dataset 2026

RGB, 3D Point Cloud, Camera Pose

[View details](#) Added 2026-08-11

Proposed by @Human-centered Construct...

Long-context Construction Regulatory Document QA 2026

Text

[View details](#) Added 2026-08-11

Proposed by @Syed Salman Ahmed

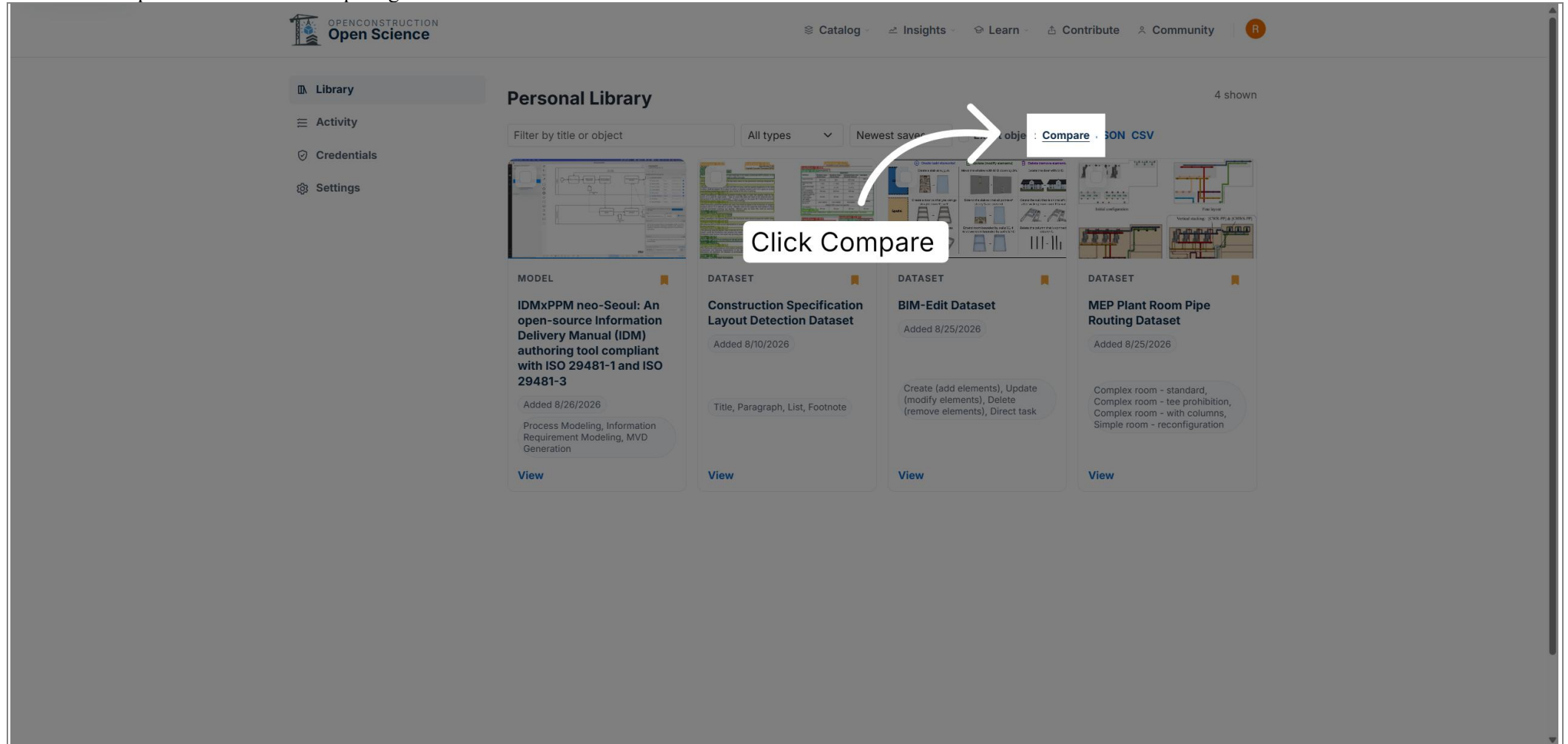
Synthetic Multimodal Dataset of Reinforced 2026

3D Point Cloud, Text

[View details](#) Added 2026-08-11

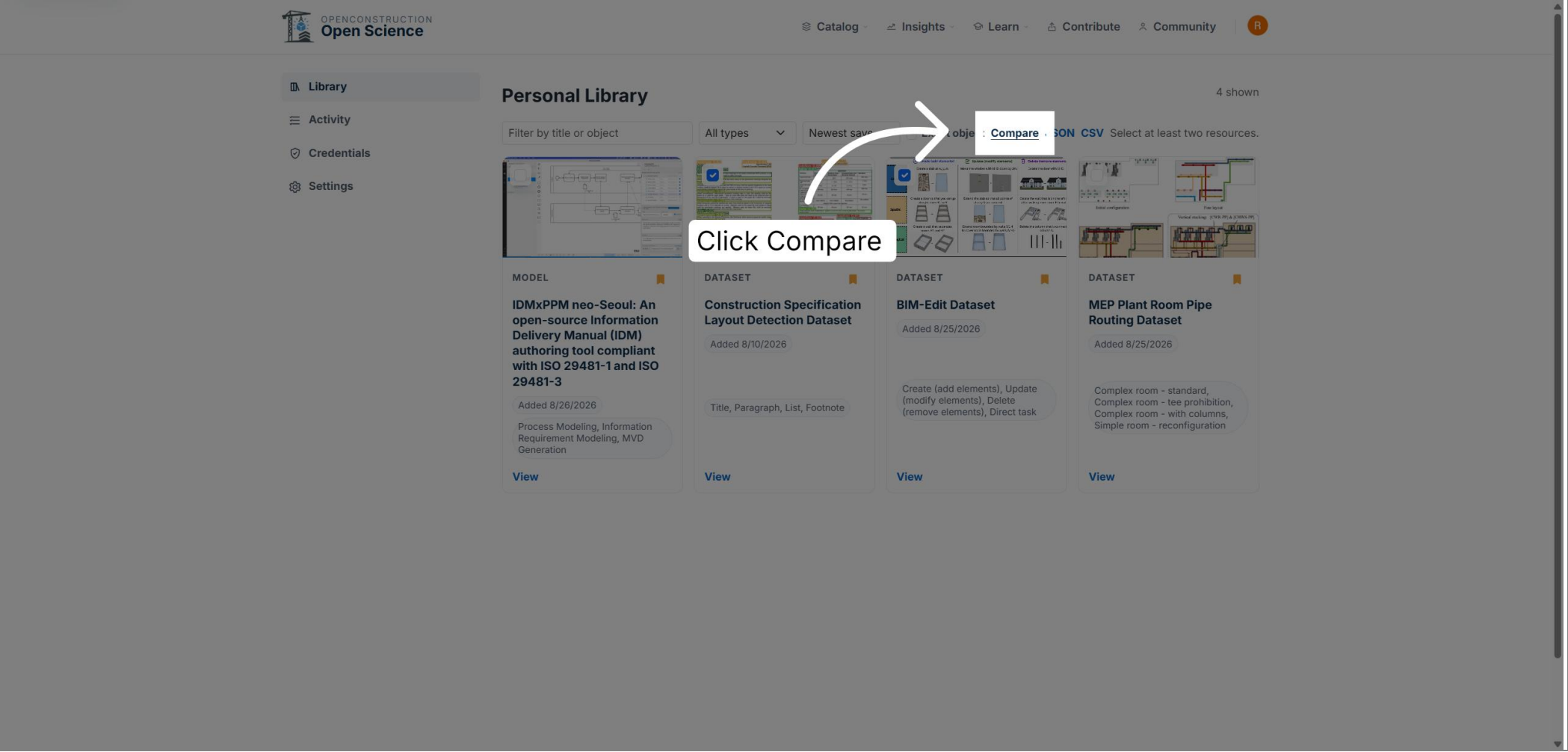
05 Open Comparison Feature

Click the Compare button to start comparing saved candidates.



06 Initiate Comparison Process

Click the Compare button to proceed with comparing selected items.



07 Export Documents Outside Workspace

You can also use the export option to save the document you select outside of the platform workspace.

Credentials

Settings

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R

DATASET SCHEMA FIELDS

Authors	Shuyi Wang, Seonghyeon Moon, Yuguang Fu, Jinwoo Kim	Bharathi Kannan Nithyanantham, Clemens Kujat, Tobias Sesterhenn, Stefan Telgmann, Ashwin Nedungadi, Jörn Plönnigs, Christian Bartelt, Stefan Lüttke
DOI	doi.org/10.1016/j.aei.2025.103278	doi.org/10.48550/arXiv.2606.20146
Data modality	Multimodal construction documents (text + tables + figures)	BIM/IFC, Text
Images / samples	1109	11 realistic + 36 synthetic models
Class count	9	324 editing tasks
Classes	TitleParagraphListFootnoteCaptionNoteEquationTableFigure	Create (add elements)Update (modify elements)Delete (remove elements)Direct taskSpatial taskTopological
Annotation types	Layout Element Bounding BoxesLayout Element Class Labels	Natural-language edit instructionsInput IFC modelsGround-truth IFC modelsEdit operationInstruction typeScene complexity
Potential tasks	Text recognitionDocument layout detection	Text-based BIM editingIFC-Based Building Information Modeling
Resolution	—	Not Applicable
Geography	U.S., Canada, Australia, India	Not Specified
Paper / landing page	Construction regulatory document digitalization with layout knowledge-informed object detection and semantic text recognition	BIM-Edit: Benchmarking Large Language Models for IFC-Based Building Information Modeling
Access	github.com/shuyi003/Construction-document-digitalization	huggingface.co/BIM-Edit

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Documentation

in

08 Organize Evidence for Decisions

That's it. Workspace helps you move from discovering resources to organizing evidence and making decisions.



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TUTORIAL

Ready for the next step

Sign in → Save → Organize → Compare → Export

[Openconstruction.org](https://openconstruction.org)

Question? support@openconstruction.org



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