

ISO BOM

THE PROBLEM

Isometric BOMs That Took Days to Compile, Now Read Straight Off the Drawings, Revision by Revision

Building an isometric package's bill of materials means paging through every sheet, transcribing the parts table & cross-checking the title block for drawing number & revision, then rolling it into a project BOM. When a client issues a new revision, the exercise starts again and a yes/no isn't enough, purchasing needs the exact quantity & length difference before they know what to buy or return. It's the same slog P&ID reviews have, just with a parts list the drawing already carries. It only needs reading & tracking properly, revision by revision.

HOW IT WORKS

Upload isometric drawings as PDF, one file or many, and ISO BOM reads the Bill of Materials table & the title block off every sheet using Claude AI, then rolls the components into a consolidated project BOM you can export to xlsx. Reprocess the same project against new drawings and it matches each one by drawing number, compares the new revision against the last one, and works out the delta by matching components on description, size, material & unit of measure, so pipe runs & gasket counts track to the exact metre or item. The result is a change list, added, removed, or up or down in quantity, rolled up per drawing & project, plus a Purchasing Amendment Note, a plain-English summary & itemised table, ready to export or print.

KEY BENEFITS

- BOM & title block read straight off every page, no manual transcription
- Project BOM rolled up across every drawing & revision, exportable to xlsx
- Revision deltas down to the exact quantity & length, not just what's new or gone
- Purchasing Amendment Note generated automatically including an itemised change list
- No company standards or symbology to learn, the BOM table is self-describing

INDUSTRIES & USE CASES

Pipe Fabrication

Petrochemical

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TECHNOLOGY STACK

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