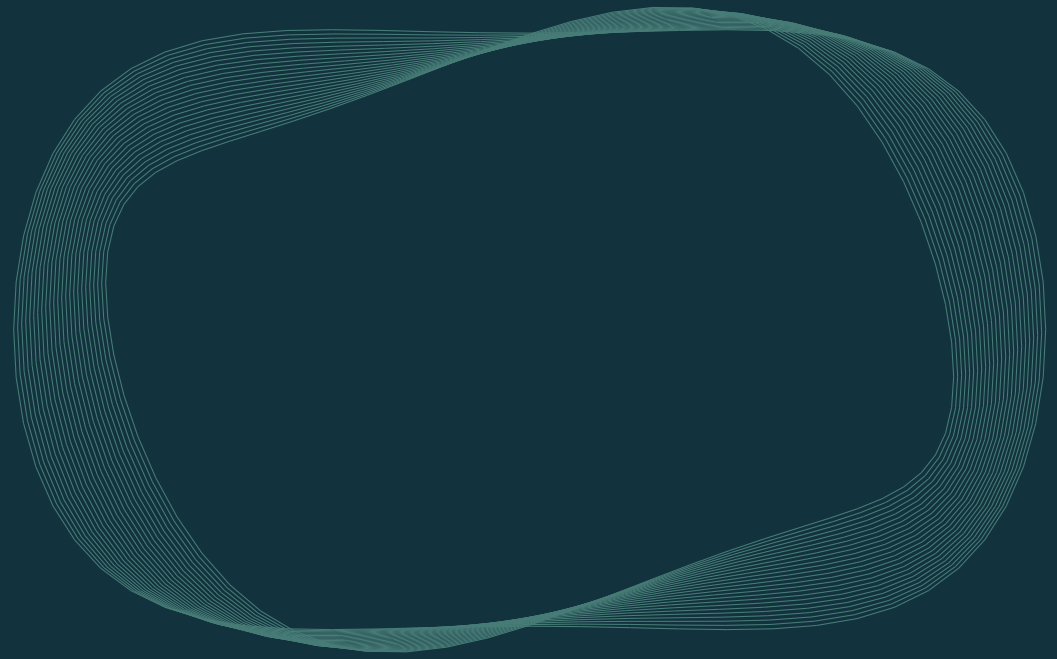
WorkBenches

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AI-ASSISTED MANUFACTURING WORKFLOWS

Move customer requests from quote to shop floor.

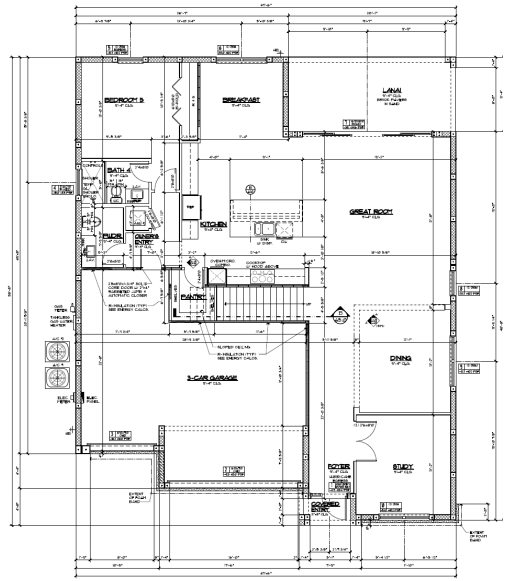


Connect customer documents, estimating, engineering and production preparation—with your team in control.

Your team in control

THE HANDOFF

The next team needs a clear starting point.



CUSTOMER INPUT / ANONYMIZED DRAWING REFERENCE

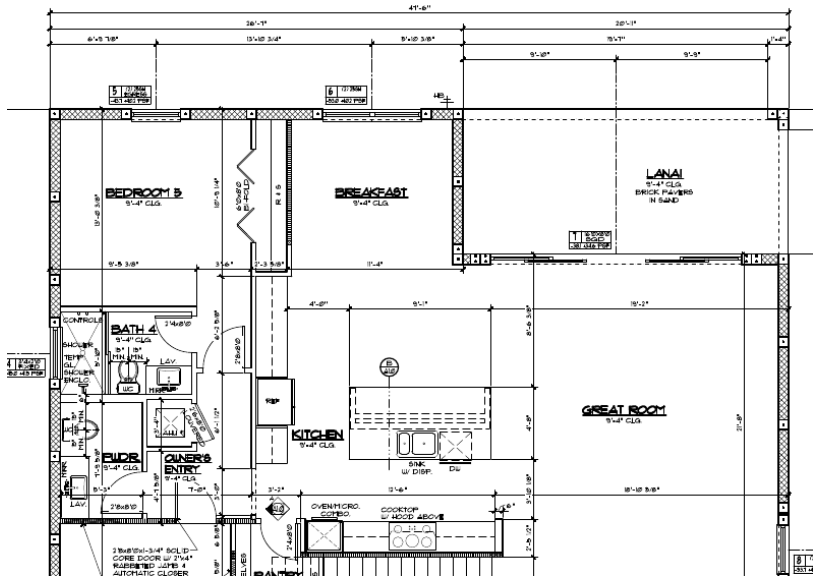
Start with the source.

A drawing package contains dimensions, notes, schedules and details. The first task is to define the manufacturing scope.

INPUT	Drawing package
FOCUS	Selected assemblies
REVIEW	Project lead

THE FRICTION

Small changes create work across departments.



DIMENSION DETAIL / REFERENCE ONLY

Keep context around every requirement.

Dimensions must remain tied to the view, revision and source that explain them. Open questions stay visible for review.

REFERENCE	View + dimension
EXCEPTION	Missing or conflicting data
OWNER	Estimator / engineer

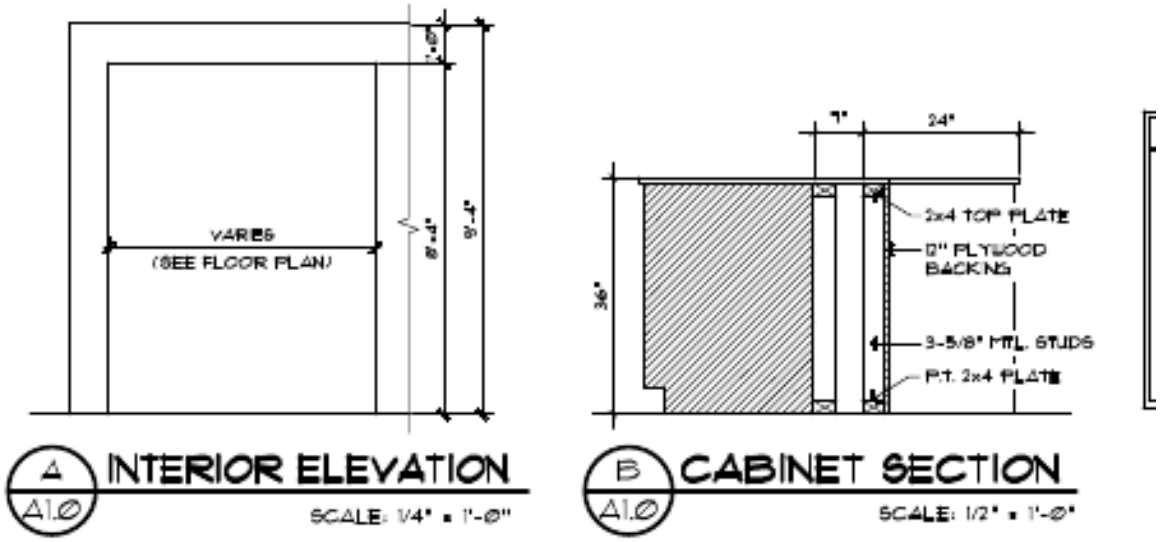
THE PROCESS

One request. Five reviewable handoffs.

01	02	03	04	05
Request	**Requirements**	**Quote draft**	**Revision**	**Production order**
Project coordinator	Estimator / lead	Estimator	Engineer	Production lead

REQUIREMENTS

Know what arrived. Surface what is missing.



SECTION DETAIL / ANONYMIZED REFERENCE

From detail to a reviewable scope.

Bring drawing references, finish selections and assembly information into one requirements summary.

SOURCE	Section reference
OUTPUT	Requirements summary
CHECK	Dimensions and materials

QUOTING

Give estimators a draft they can review.

INPUT

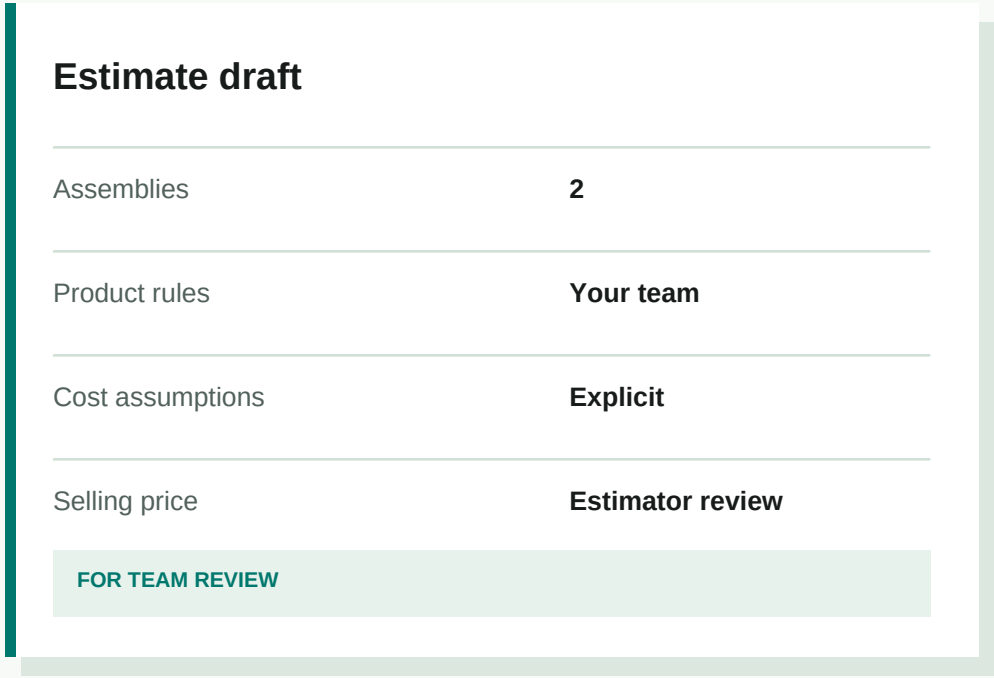
Reviewed scope and your costing rules

DELIVERABLE

Quantities, assumptions and a preliminary quote

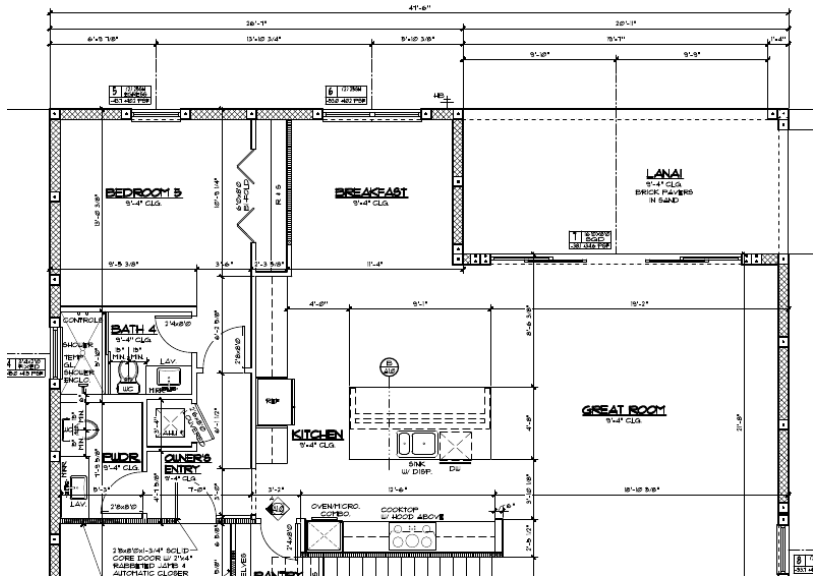
HUMAN REVIEW

Estimator verifies quantities, costs, exclusions and price.



DRAWING REVIEW

Keep a change connected to its source.



DRAWING REVIEW / REFERENCE ONLY

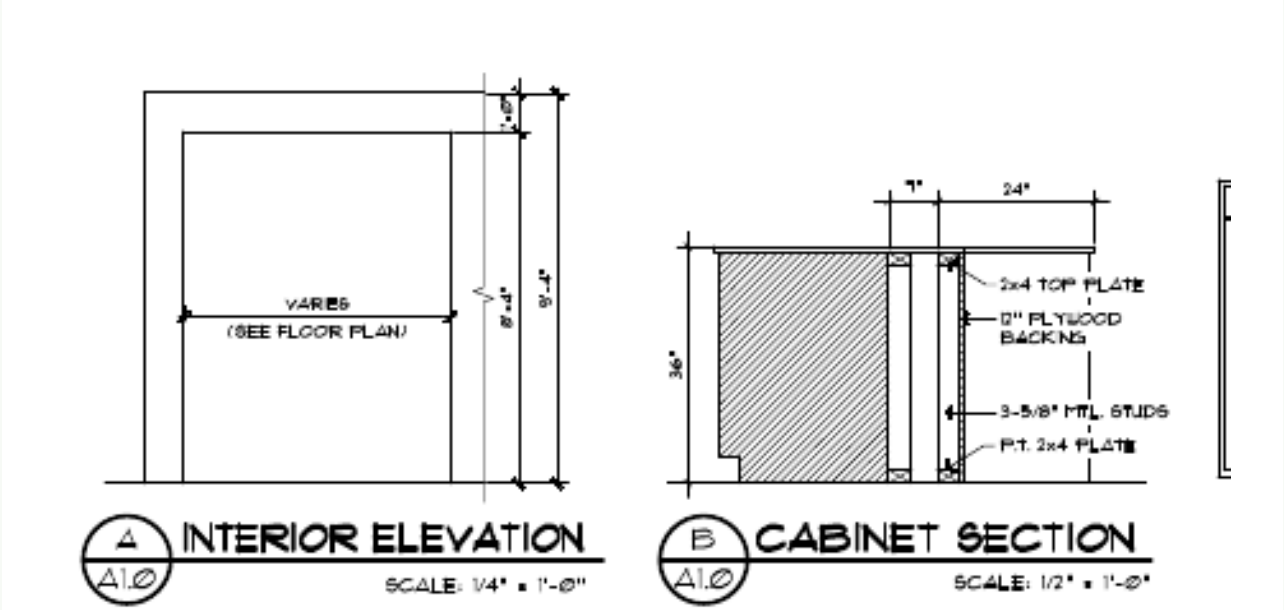
Review the change in context.

Compare the source revision and the field note before updating affected drawings and downstream documents.

REVISION	A → B
DECISION	Engineering review
NEXT	Update affected outputs

PRODUCTION PREPARATION

Prepare the production order for release review.



TECHNICAL REFERENCE / RELEASE REVIEW REQUIRED

A production order carries the reviewed job.

Connect drawing references, material requirements and the approved revision to the order the next team receives.

DOCUMENT	Production order
REVISION	Reviewed job version
RELEASE	Production lead

HOW WE WORK

Start with a focused scope.

01

Select

Choose one product family and a recurring handoff.

02

Define

Agree on inputs, deliverables and reviewers.

03

Validate

Review representative cases with your team.

04

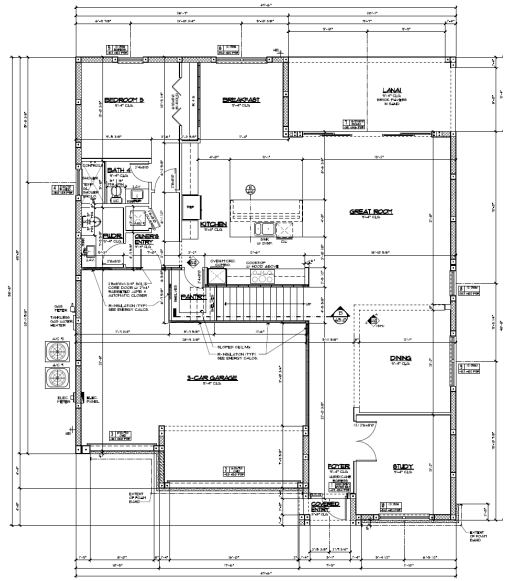
Decide

Refine the scope or evaluate the next handoff.

Inventory, ERP and delivery coordination are evaluated as separately scoped extensions.

ILLUSTRATIVE EXAMPLE

One change. A visible path forward.



SOURCE REFERENCE / ILLUSTRATIVE WORKFLOW

Show the whole handoff.

Customer drawing → requirements → preliminary CAD and quote → revision review → production order.

EXAMPLE	Fictional WB-024
ASSUMPTIONS	Explicit and reviewable
CONTROL	Your team approves

GETTING STARTED

Bring a representative job.

What to bring

01 A typical customer request

02 The documents your team prepares

03 One recurring bottleneck

What we discuss

A useful first deliverable.
Who reviews it.
What is needed to evaluate the scope.

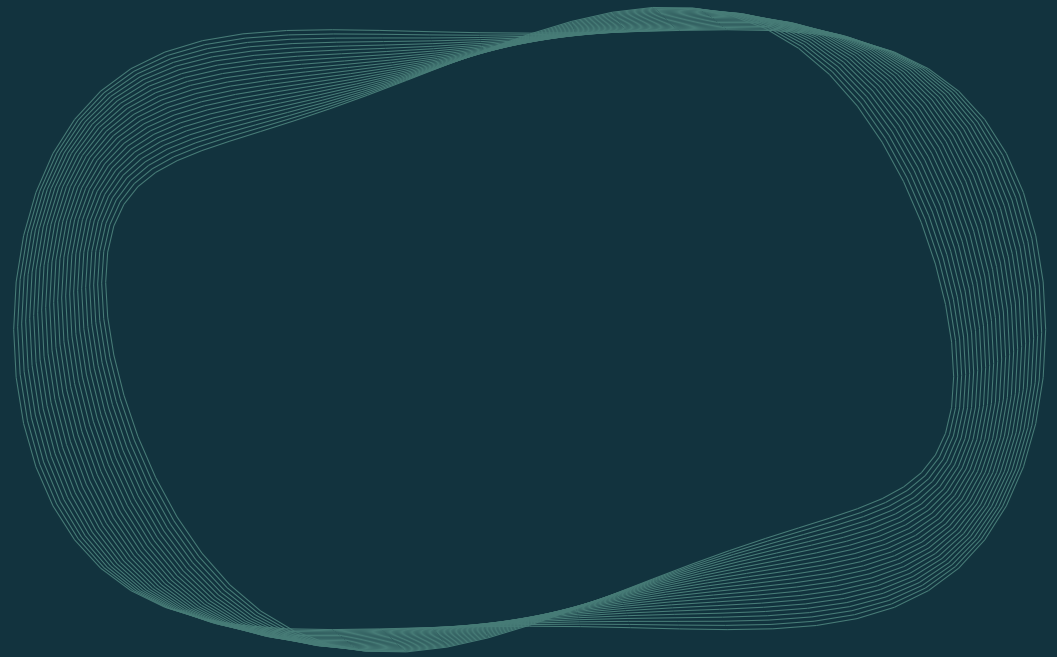
Pricing and timing follow the scope discussion.

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Find the right place to begin.



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Let’s talk!