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# FROM MODEL TO WORKSHOP: A BAROQUE KIOT IN REVIT

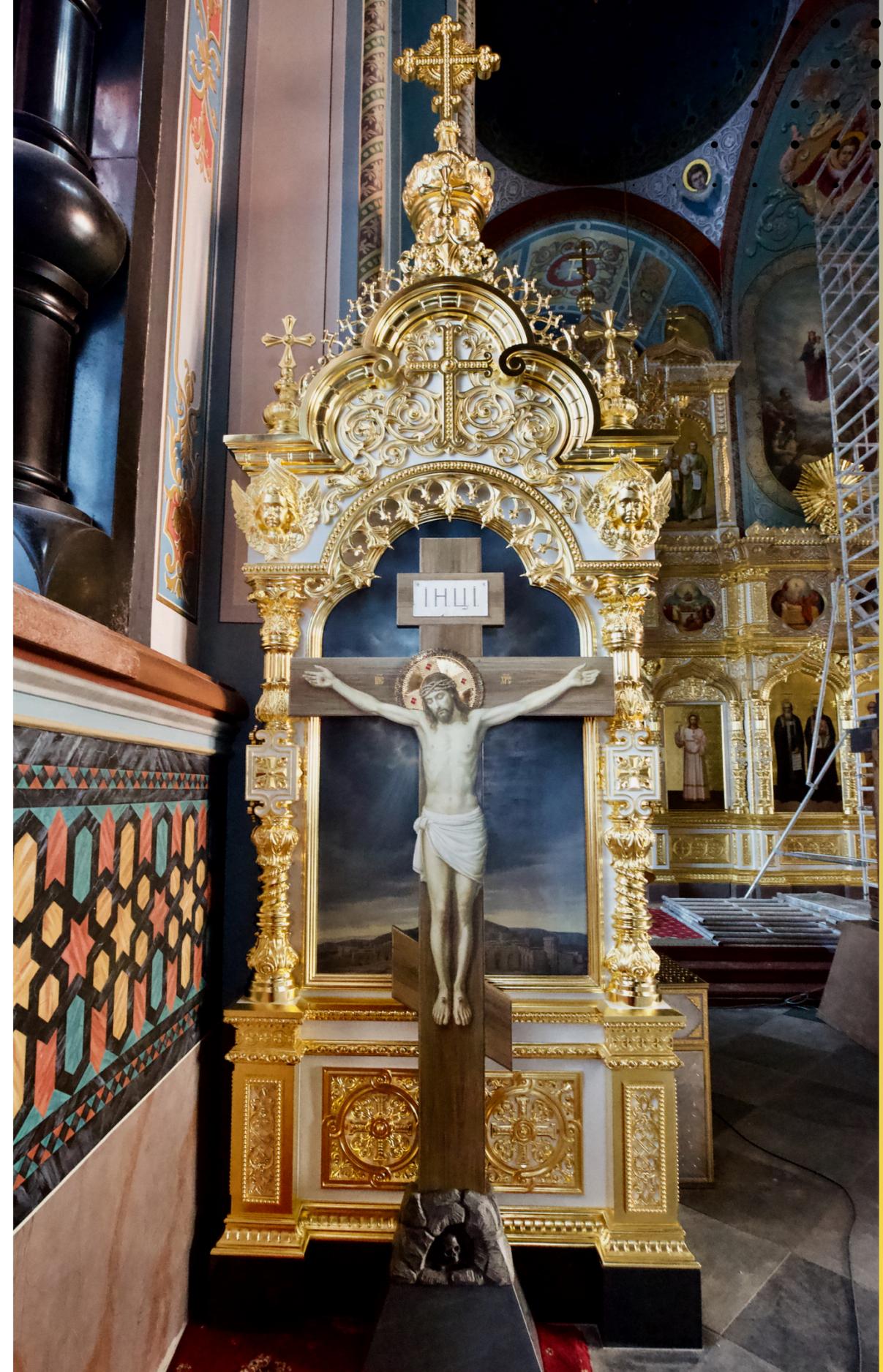
Model → Visualization → Working Drawings

BIM Craftsmanship in Revit  
Designing an Ornate Floor-Standing Kiot  
(Icon Case)



# PROJECT OVERVIEW

- Object: Floor-standing kiot (icon case) for the Golgotha Cross
- Setting: Transfiguration Cathedral, Valaam Monastery
- Focus: precision, ornament readability, fabrication-ready documentation





## WHY REVIT FOR HIGH-DETAIL SMALL-SCALE ARCHITECTURE

- Treat the object as an organized assembly, not a one-off sculpture.
- Maintain a single source of truth across 3D, drawings, and revisions.
- Use parameters to iterate while keeping proportions and interfaces controlled.

# ASSEMBLY LOGIC: BREAKING COMPLEXITY INTO PARTS

- Stone base and primary support
- Structural body / frame
- Columns, arches, cornices
- Carved panels and relief inserts
- Crown and cross assembly



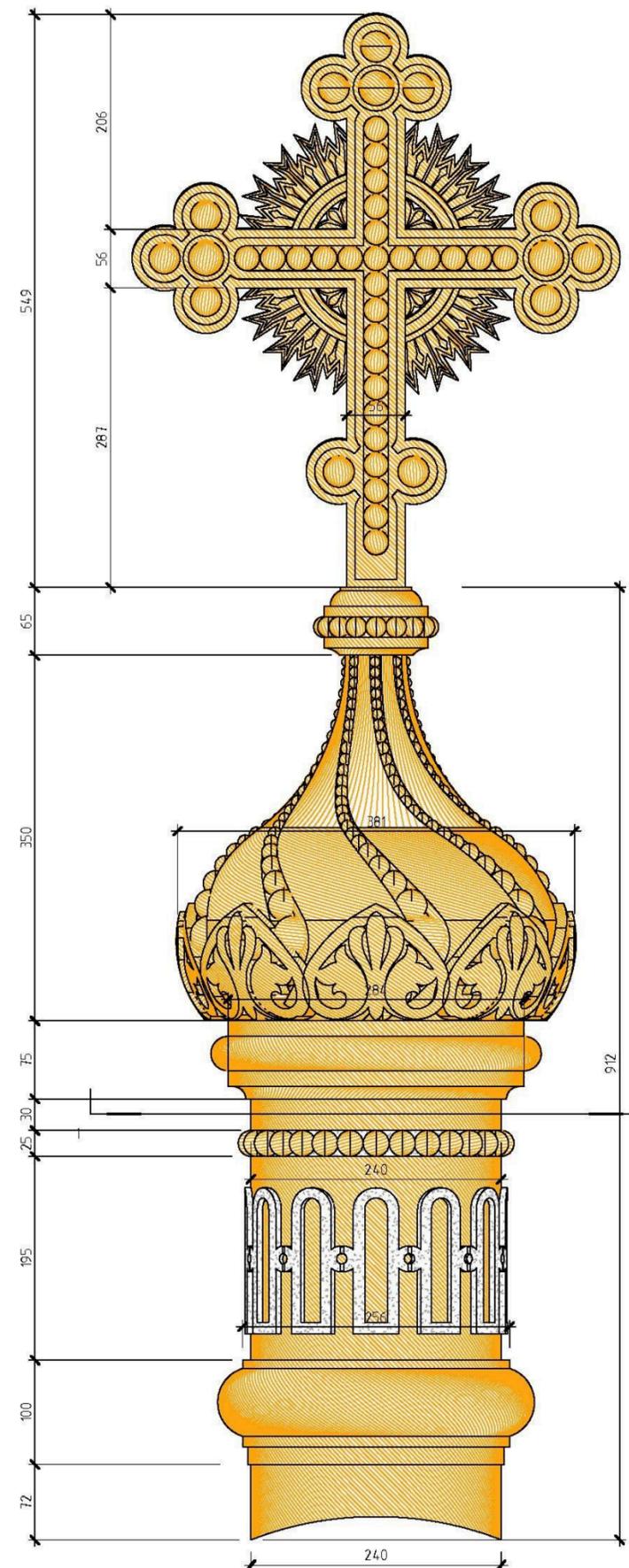


## REVIT FAMILIES: REPETITION WITH CONSISTENCY

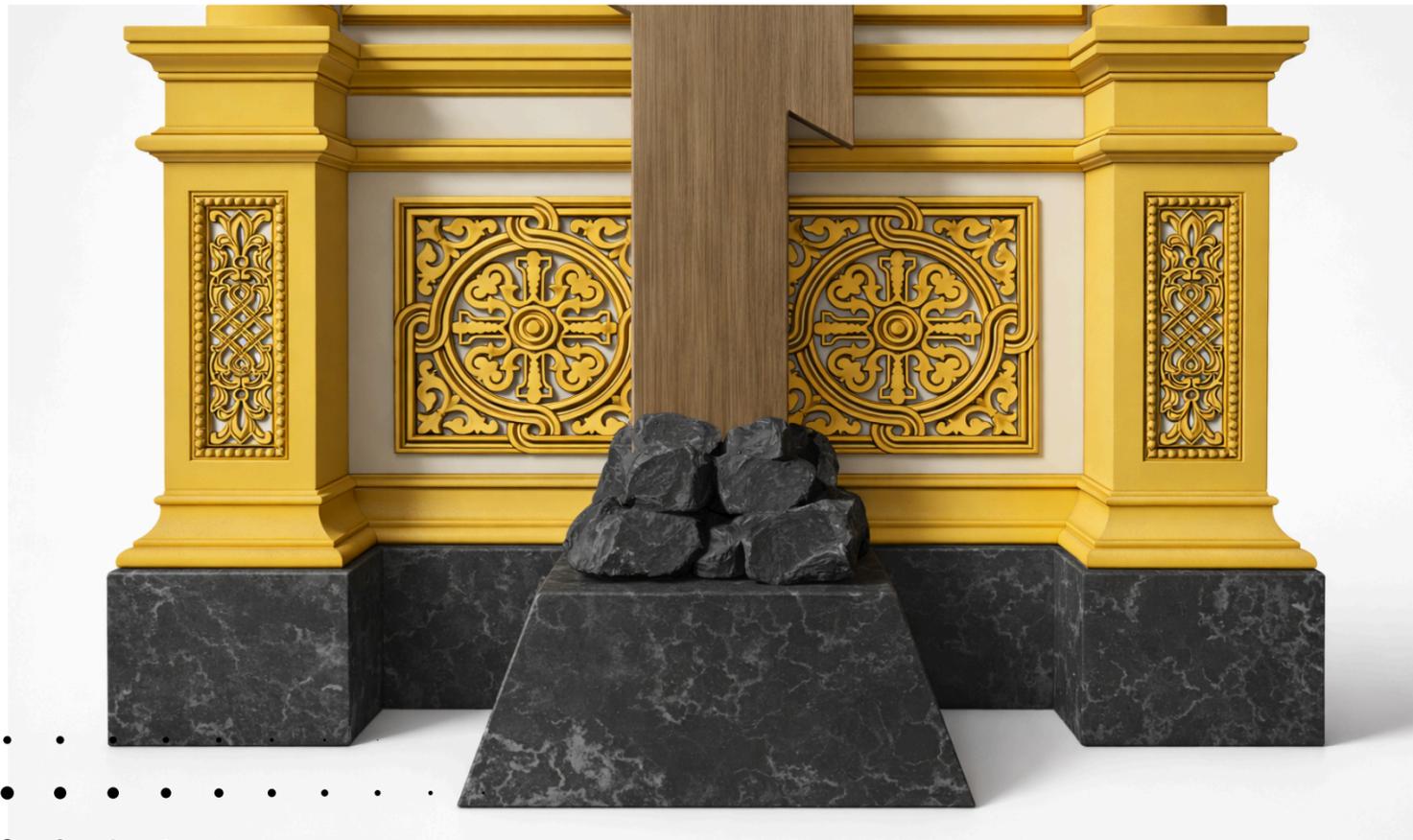
- Repeated elements built as nested families for stable quality and speed.
- Clear hierarchy: component → sub-assembly → full object.

# ORNAMENT & RELIEF: BALANCING 3D DETAIL

- Use true 3D where volume, shadow behavior, and junction precision must be explicit.
- Use 2D/symbolic detailing where drawing clarity matters more than micro-geometry.
- Aim for photoreal presence without an overly heavy model.



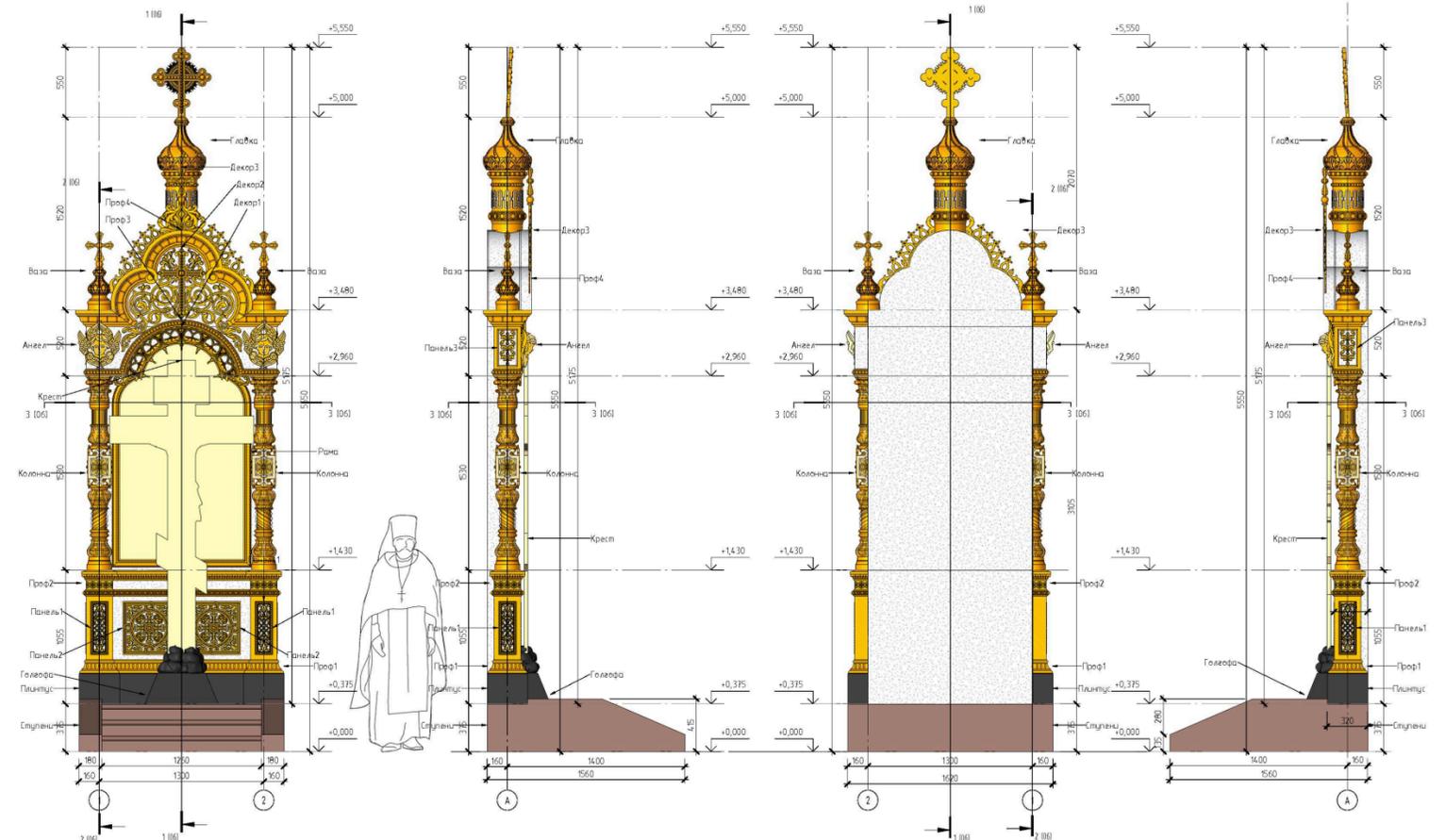
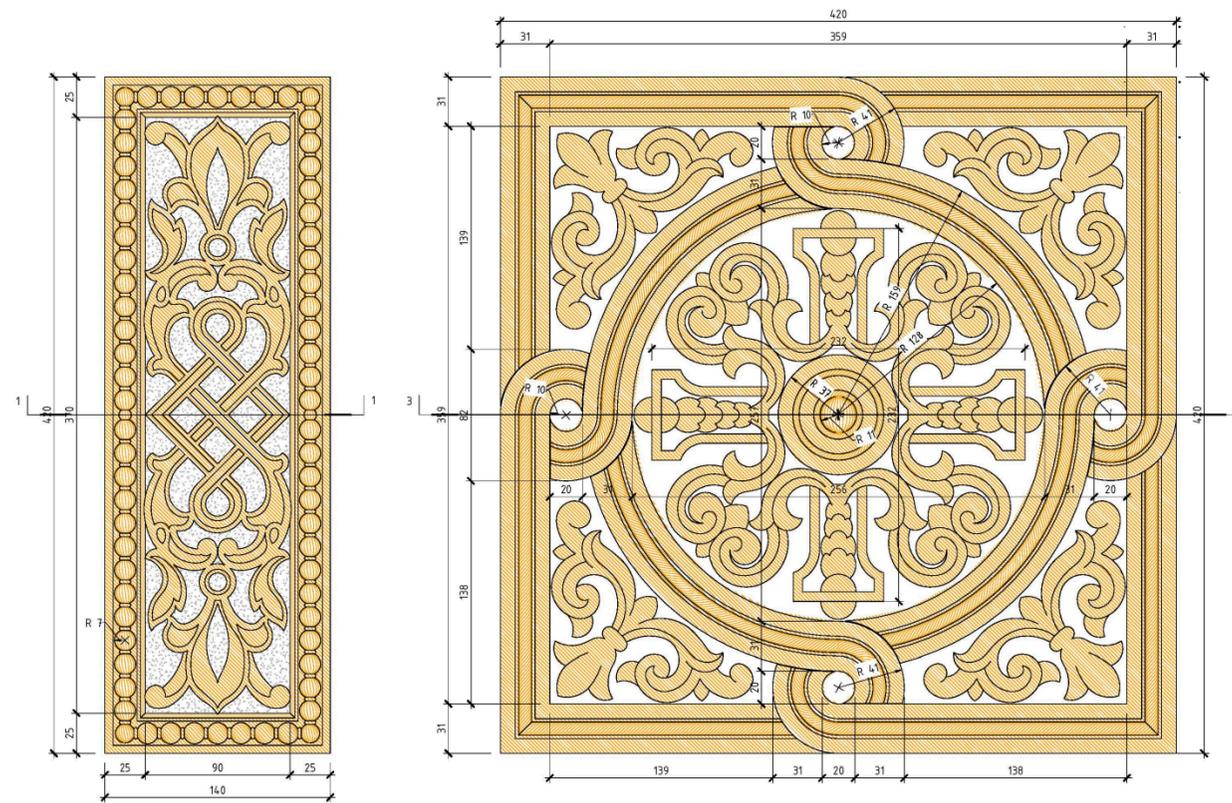
# MATERIALS & VISUAL VALIDATION



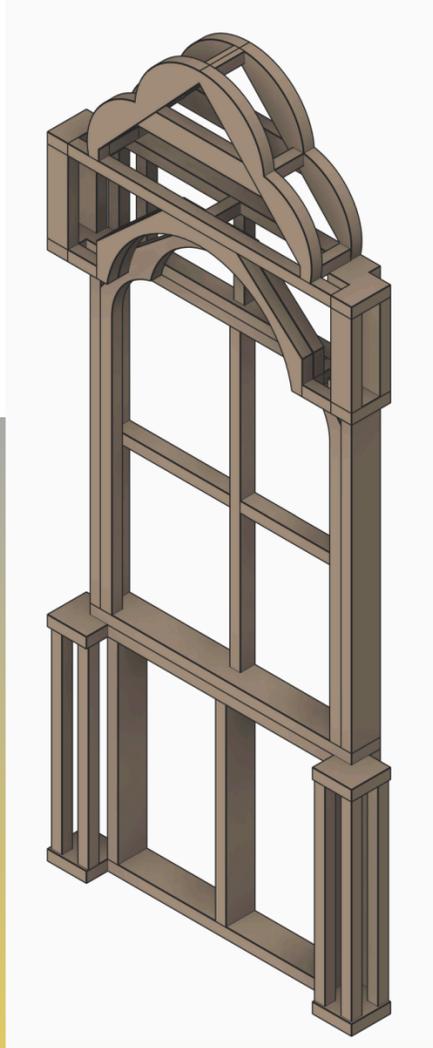
- Organize wood, gilding, and stone as a coherent material system.
- Use visualization to validate proportion, highlights, and relief legibility.
- Maintain dedicated “control views” for crown, panels, and base.

# WORKING DRAWINGS GENERATED FROM THE MODEL

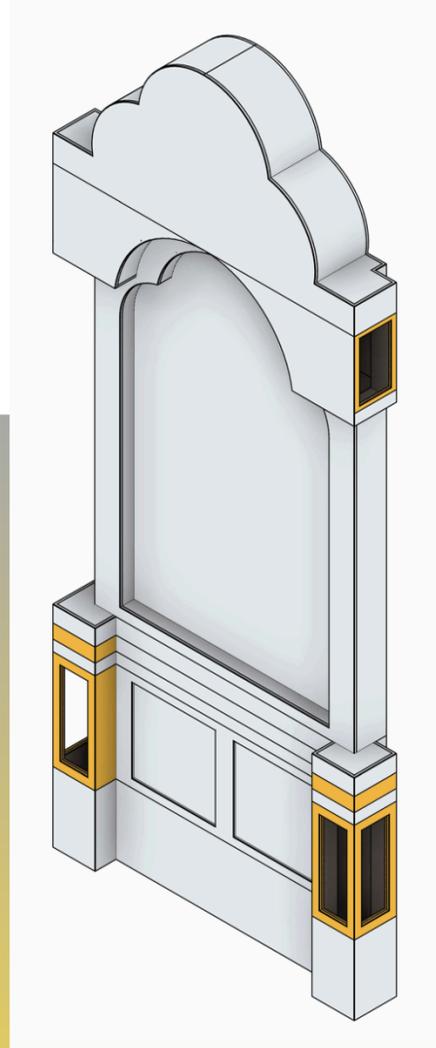
- Elevations, sections, and details are extracted from the same model.
- Dimensions and references remain unchanged when changes are made.



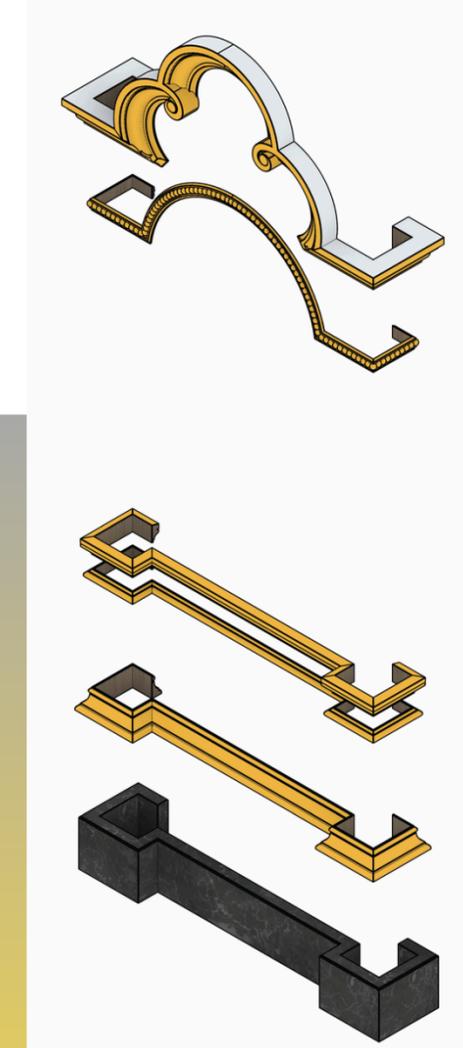
# FABRICATION READABILITY & ASSEMBLY SUPPORT



The model communicates how it is built: sequence, seating, and interfaces.



Junction details reduce ambiguity for craftsmen and fabricators.



Exploded views accelerate coordination and approvals.

# ABOUT ME

Ian Kirs — Architect / BIM Specialist

20+ years of professional experience in architectural design and Revit-based BIM delivery.

Based in Serbia, working remotely with international teams.

## CORE EXPERTISE

- Revit-based BIM modeling for design development and documentation
- Complex architectural geometry modeling
- Accurate architectural documentation
- Visualization and post-production
- Clear BIM coordination and structured delivery workflows

## LET'S CONNECT

- If you need a BIM partner who can deliver:
- Reliable Revit/BIM execution
- High-quality architectural visuals
- Reliable end-to-end workflow

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