

BIM DETAILER

Position Type: Employee / Remote | **Reports To:** BIM Manager | **Commitment:** Full Time

ABOUT PERFORMANCE BIM

Performance BIM (PBIM) is a virtual BIM consulting firm specializing in live entertainment, theatrical systems, and themed environments. We partner with theatrical integrators, fabricators, designers, and operators to deliver precise, coordinated, and construction-ready BIM models for complex live entertainment and themed entertainment projects.

Our team operates entirely remotely, embedded within client workflows and delivering high-value BIM services across a portfolio of concurrent projects. We are a small, expert-focused firm—every team member contributes meaningfully to project outcomes and to the direction of the company.

POSITION SUMMARY

Performance BIM is growing its production team and is looking for a BIM Detailer to support modeling, detailing, and Revit family development across our live entertainment and themed environment projects. Working under the direction of our BIM Manager and project leads, the BIM Detailer turns engineering drawings, manufacturer data, and design intent into accurate Revit models, clear construction documentation, and well-built, reusable families.

This is a hands-on production role **for someone who already understands how live entertainment spaces are built and operated**. Experience in the live entertainment industry is required; background in audio-visual and/or lighting systems is ideally what sets a candidate apart. We are looking for a meticulous modeler who takes pride in clean, standards-compliant work and wants to grow their BIM skills alongside an experienced, specialized team.

KEY RESPONSIBILITIES

Modeling & Coordination

- Develop and maintain Revit models of theatrical and entertainment systems, with an emphasis on audio-visual, lighting, rigging, and associated infrastructure
- Place and coordinate equipment such as loudspeakers, lighting fixtures, displays, projection, racks, and distribution devices using accurate positions, mounting, and clearances
- Model supporting elements including pipe grids, trusses, cable pathways, and equipment supports as required by project scope
- Work within established project templates, workset structures, shared coordinates, and linked models
- Support clash detection and coordination cycles by resolving assigned issues and updating models to reflect coordination decisions

Detailing & Documentation

- Produce plans, sections, elevations, and enlarged details that clearly communicate system layout and installation intent
- Prepare equipment rack elevations, mounting and attachment details, device schedules, and fixture/position plots as required
- Apply dimensions, tags, annotations, and keynotes consistent with PBIM and client drafting standards
- Set up and maintain sheets, views, and schedules for milestone and issue deliverables
- Incorporate redlines and review comments accurately and on schedule

Revit Family Development

- Build parametric Revit families from manufacturer cut sheets, engineering drawings, and product specifications
- Develop families with appropriate parameters, type catalogs, nested and shared components, connectors, and visibility/detail-level controls
- Test families for flexibility, performance, and correct behavior in project models before release
- Document families and maintain organized family libraries in accordance with PBIM content standards

Quality & Team Collaboration

- Perform self-checks and follow PBIM quality control procedures before submitting models, sheets, and families for review
- Communicate progress, questions, and potential issues promptly to the BIM Manager and project leads
- Participate in internal and client coordination meetings as needed
- Contribute suggestions to improve PBIM templates, content standards, and production workflows

QUALIFICATIONS

Required

- Minimum 2 years of professional experience working in the live entertainment industry (theater, concert and touring production, performance venues, arenas, broadcast, or themed entertainment)—**this industry knowledge is a foundational requirement and is non-negotiable.**
- 2+ years of hands-on production experience in 3d modeling software such as Revit, Vectorworks, Inventor, or Solidworks, including modeling, view and sheet setup, and construction documentation
- Demonstrated ability to create parametric Revit families, including parameters, type catalogs, nested components, and visibility controls
- Ability to read and interpret engineering drawings, shop drawings, manufacturer cut sheets, and system diagrams
- Solid understanding of drafting conventions, dimensioning, and annotation practices
- Exceptional attention to detail and the discipline to follow established standards and templates

- Clear written and verbal communication skills; comfortable asking questions and reporting status in a remote, distributed team environment

Preferred

- Direct experience with audio-visual and/or lighting systems.
- Familiarity with AV and lighting documentation such as rack elevations, signal flow and riser diagrams, fixture schedules, and power and data (DMX, network) distribution
- Familiarity with theatrical rigging, stage machinery, or other theatrical systems
- Working knowledge of Autodesk Navisworks or Revit for coordination and issue tracking
- Experience with Autodesk Forma (formerly Autodesk Construction Cloud / BIM 360) or similar cloud collaboration platforms
- Experience with Vectorworks or AutoCAD, including interpreting or converting entertainment industry drawings into Revit
- Scripting or automation experience (Dynamo, Python, or similar)

WHAT WE OFFER

- Full time employment with health insurance, dental, vision, paid holidays, and paid vacation.
- Fully remote engagement with a flexible schedule oriented around project deliverables
- Work on technically distinctive projects at the intersection of architecture, engineering, and live entertainment production
- Mentorship from senior BIM professionals and a clear path to grow your coordination and BIM management skills
- Collaborative, expert-focused team environment
- Competitive compensation commensurate with experience

HOW TO APPLY

Interested candidates should submit the following to careers@performancebim.com with the subject line *BIM Detailer — [Your Name]*:

1. Resume or CV (PDF preferred)
2. Portfolio or representative samples showing Revit models, detailed documentation sheets, and Revit families you have built (screenshots of family parameters and types are welcome)
3. A brief statement (one page or less) describing your live entertainment background, any audio-visual or lighting systems experience, and your interest in BIM for the entertainment industry

Performance BIM is an equal opportunity employer. We value diverse perspectives and backgrounds and encourage candidates from all professional paths to apply.