

Shop Drawing Authoring

What is it?

Trade partners create shop drawings, which include drawings, diagrams and schedules. These documents serve as a submittal for designers to demonstrate the approach to executing the work in accordance with the intent of the approved design documents. Shop drawings also communicate the fabrication and installation procedure to the fabricator and field installer. The trade partner can generate discipline specific shop drawings directly from a *fabrication model*, if created using a

BIM authoring tool. As a best practice, trade partners manage a custom library of elements to streamline the production process. The practice of clash coordination ensures that the trade partners’ models are coordinated, accurate and contain all the elements required by the approved design documents. Further detailing the coordinated model for shop drawings translates to quality fabrication and efficient installation in the field.

How does it benefit stakeholders at the Airport?

- Clear conformance between construction and approved design documents
- Accuracy and reliability of shop fabrication models (representing as-built conditions)
- Clear communication of design requirements to field installers

