Modeling Demonstration with Masonry Friendly Software's

Presentation By: Mike Kinateder, KMI Construction LLC
Using Modeling as a Mason Contractor

• KMI Construction – Mason Contractor in Brookfield, WI
• Currently have 50 Masons on Staff
• Modeling Masonry for 3 Years – SketchUp and Tekla
  • 2015 – Started by Using SketchUp
  • Fall 2016 – Began Working with Tekla on CMU Projects
Deliverables Developed from Models:

• Material Procurement
• Layout, Heights/Coursing
• Rebar Size & Placement
• Shop Drawings
• RFI Generation
• Lift Drawings for Field
Software Comparison

• **Tekla Structures**
  - Cost To Purchase: $6,800.00
  - Currently Only CMU Modeling
  - Easily place rebar to create shop drawings
  - Creates Better Lift Drawings

• **SketchUp**
  - Low Cost to Purchase
  - Easy to Build Components
  - Time Consuming to Create Full Model
  - SketchUp Warehouse Available
  - Customizable With Units
SketchUp Drawing Examples
SketchUp Drawing Examples
Tekla Screen Shot & Drawing Example
Tekla & SketchUp Demonstration

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