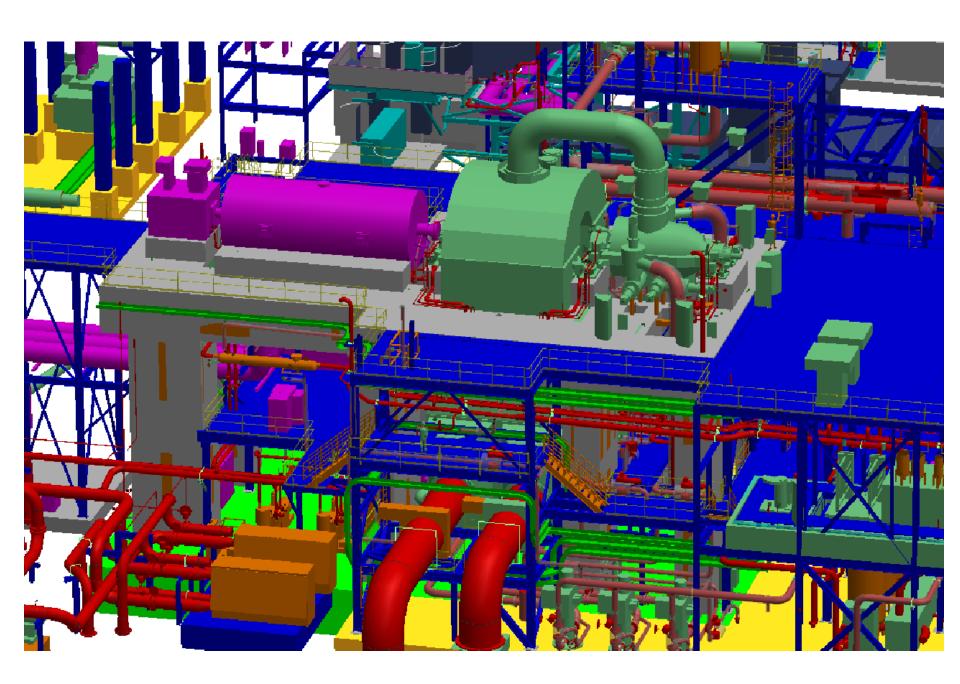


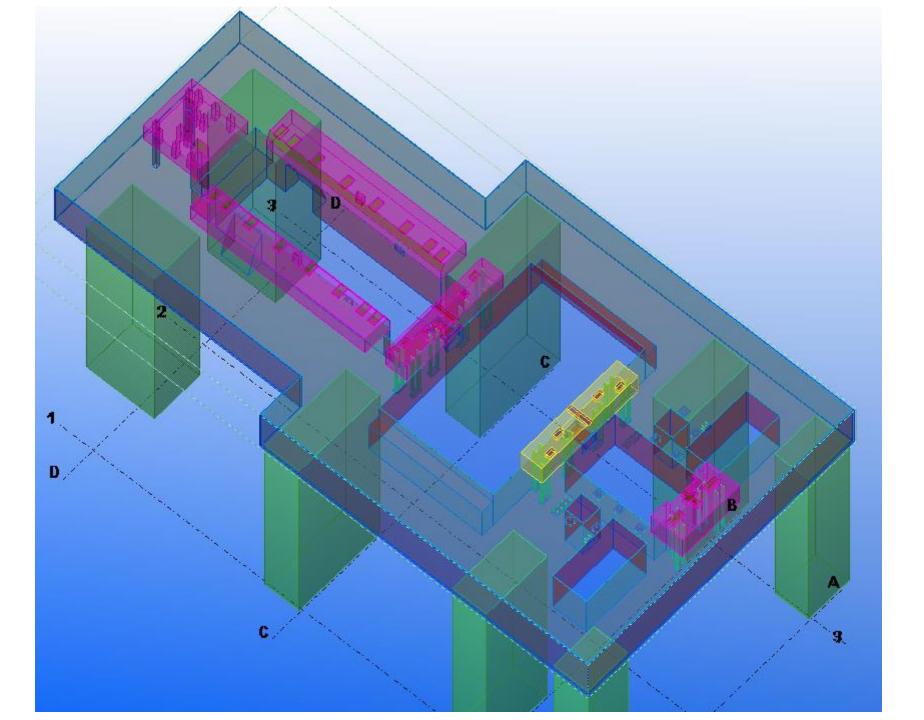
Rebar Modeling Developing a new work process

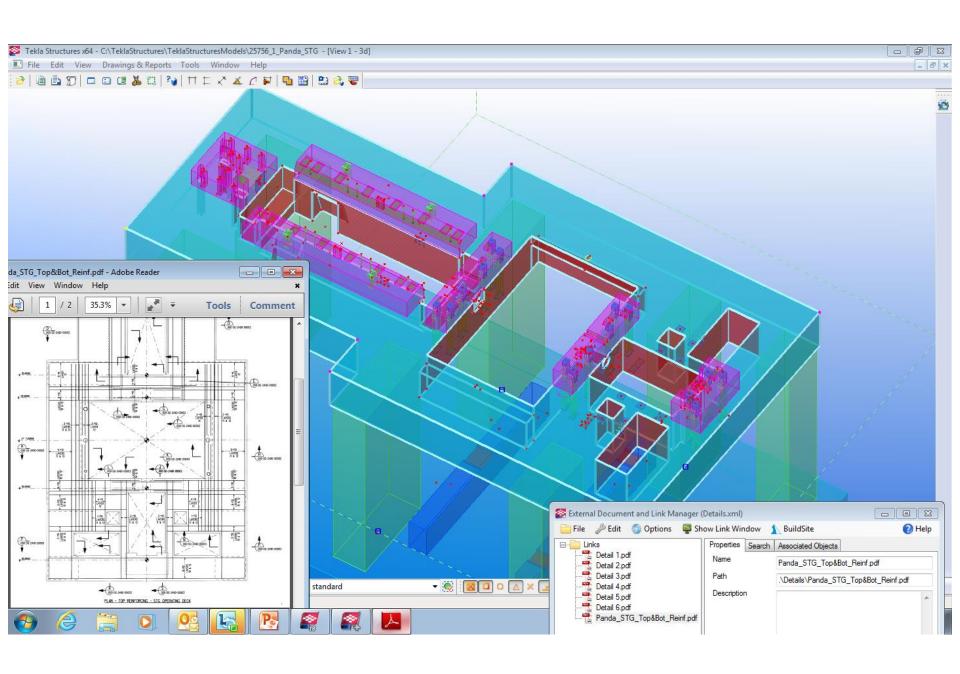
BIM Use Case

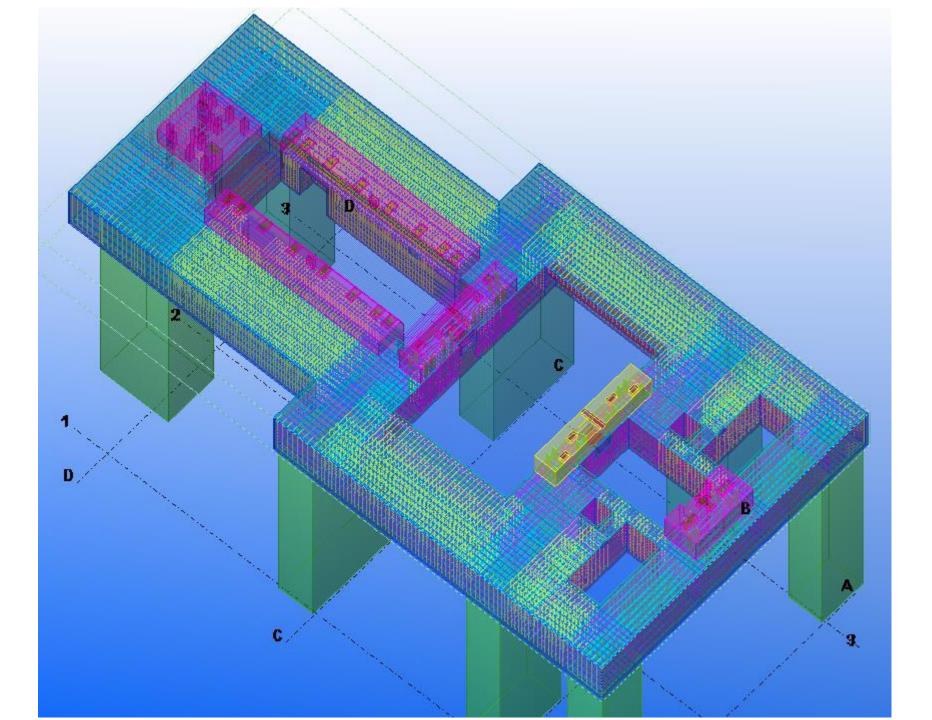
- Focused cross-functional application
- An information enabled work process
- A targeted deliverable
- Measureable results
- Possibly run in parallel with current work process

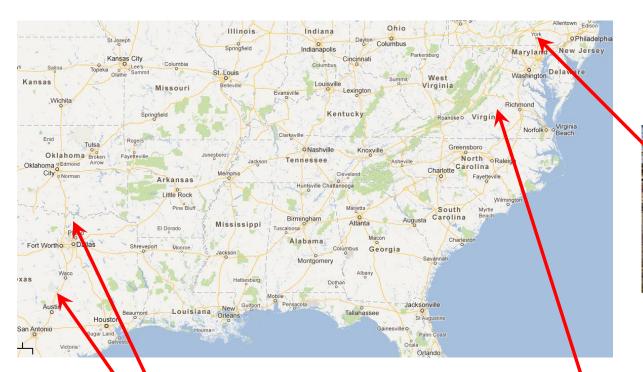
Communicating Design Intent







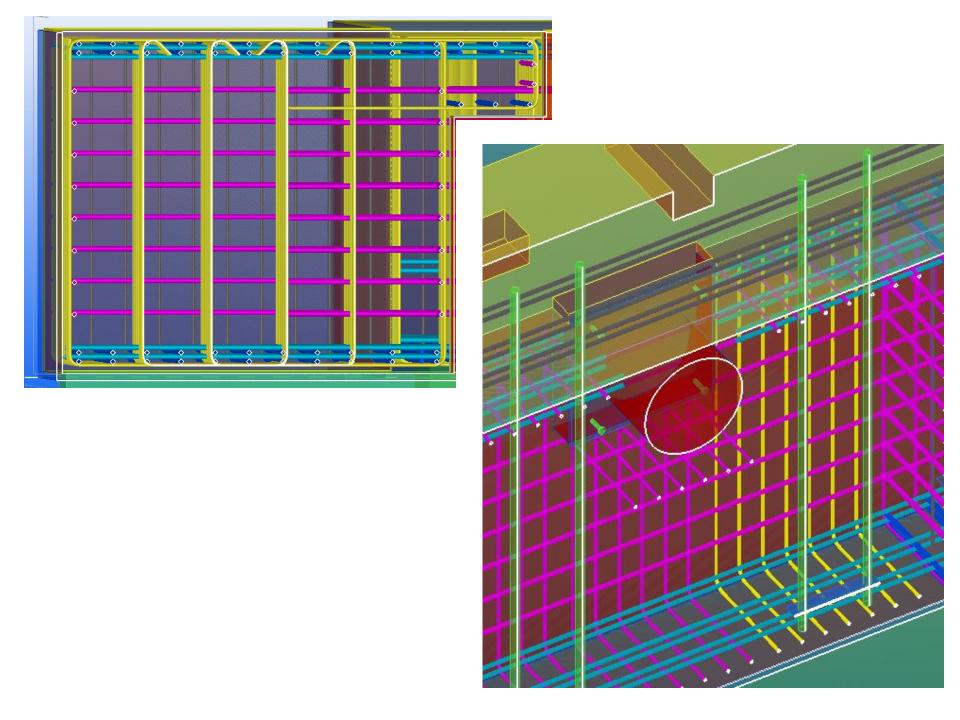


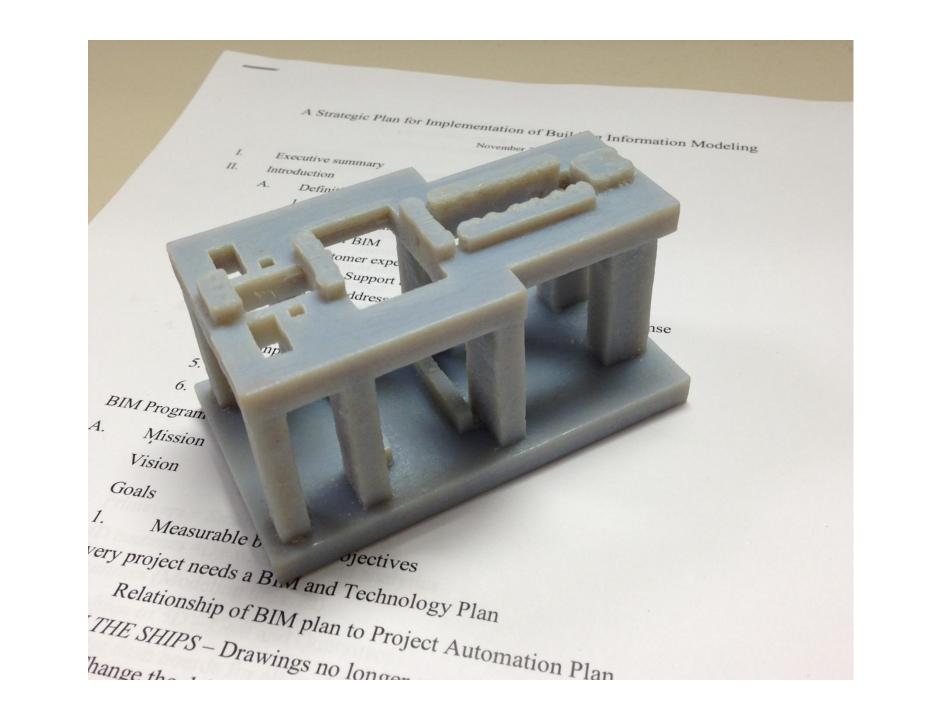


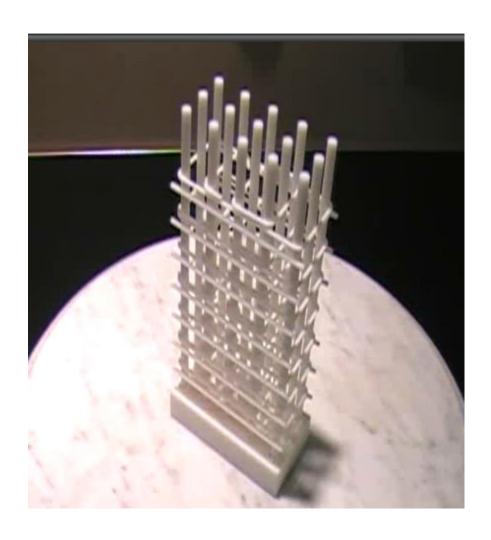


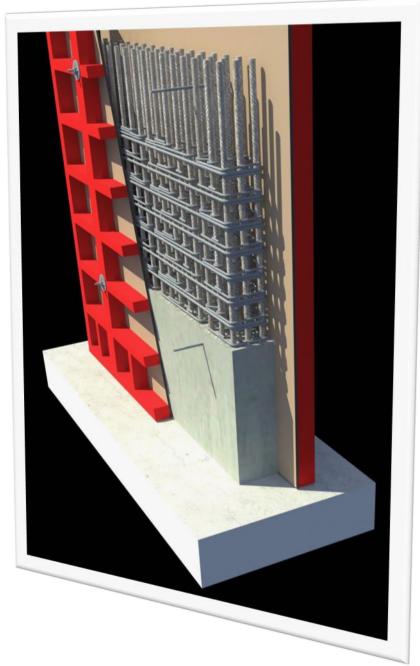




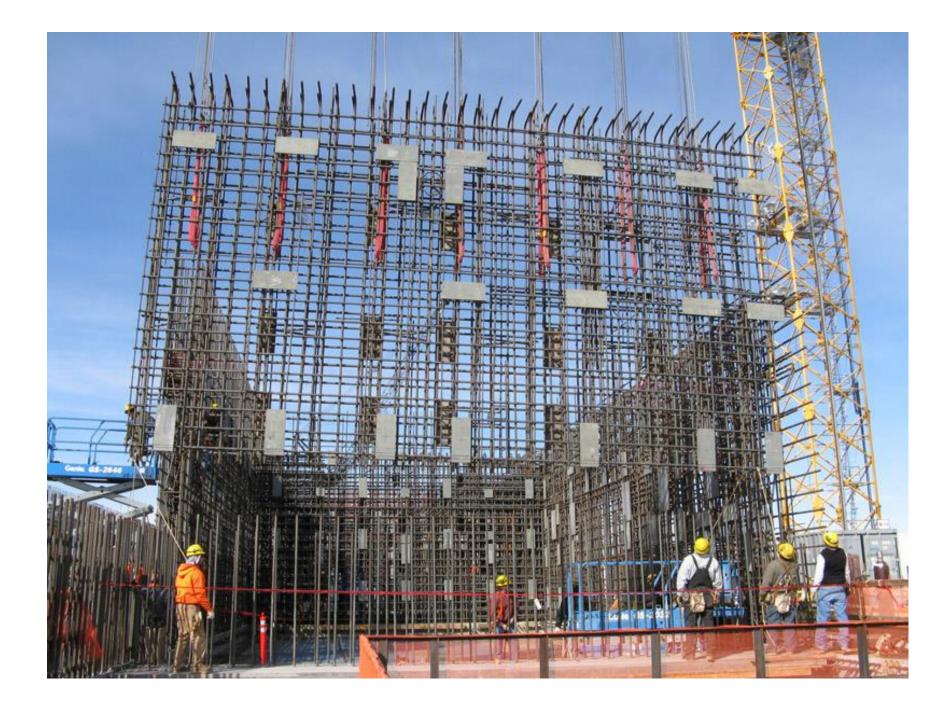


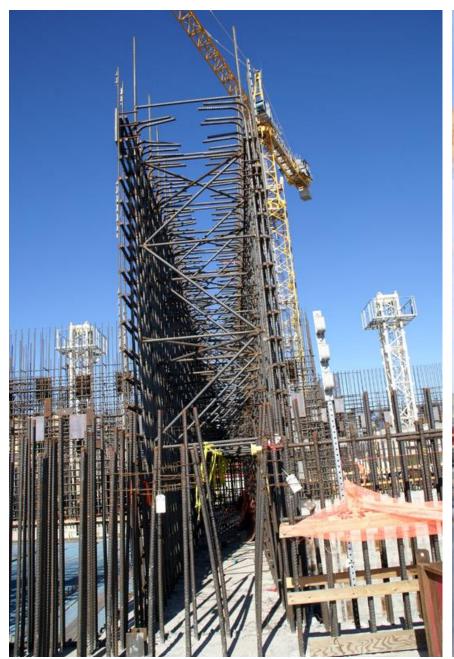






Courtesy of Klorman Construction



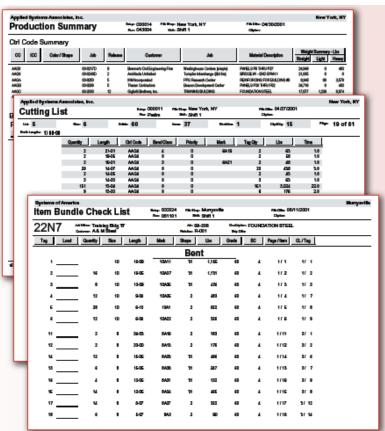




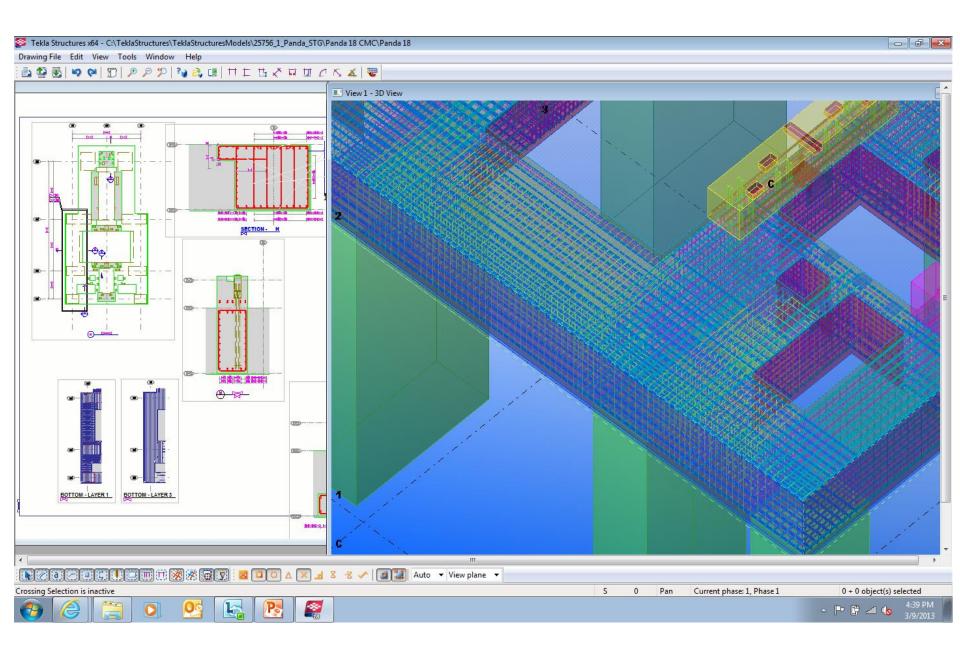
Material Management

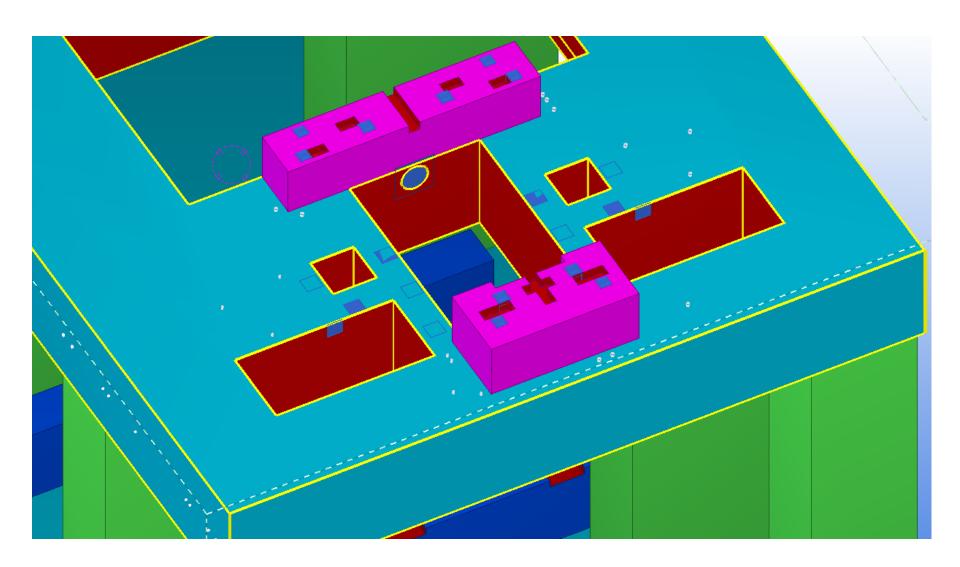


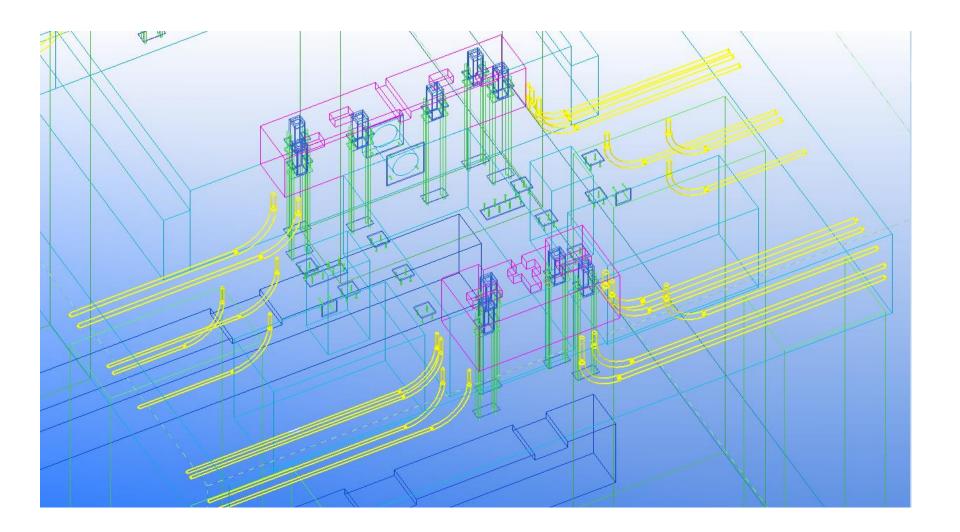


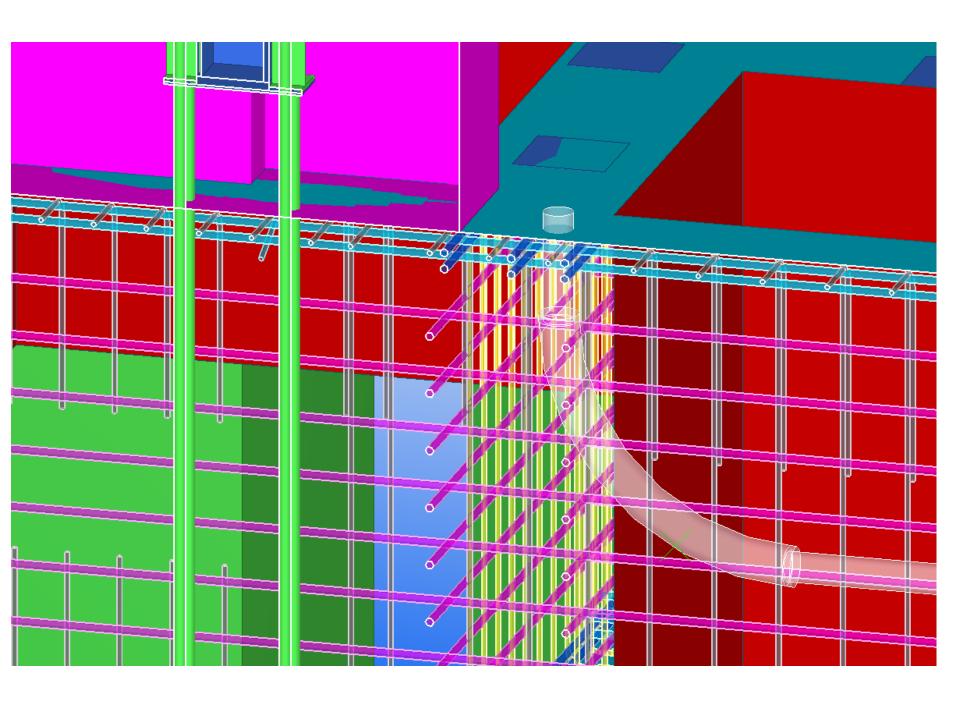


Courtesy of aSa





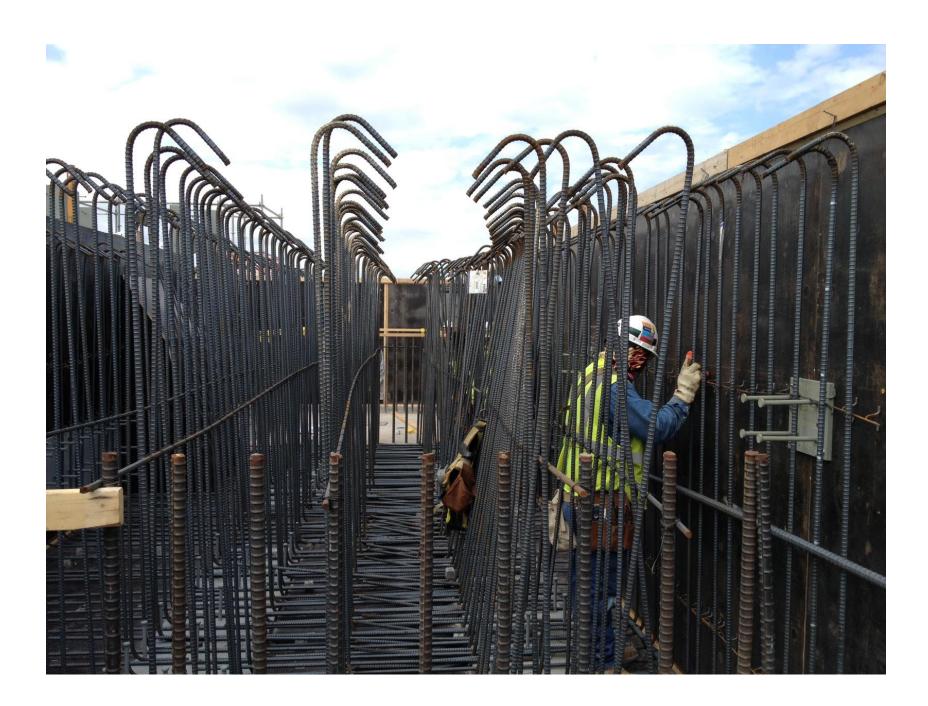


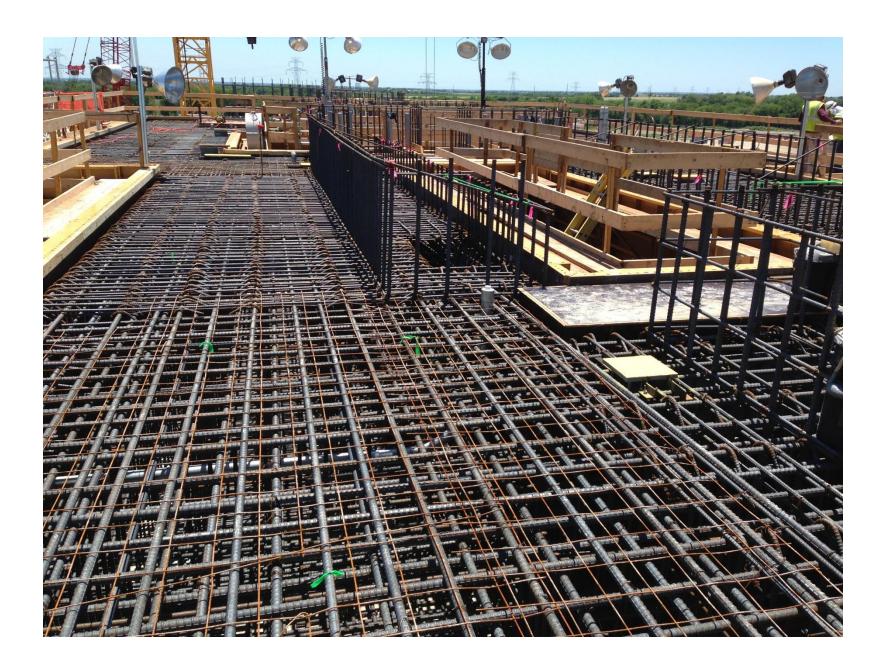


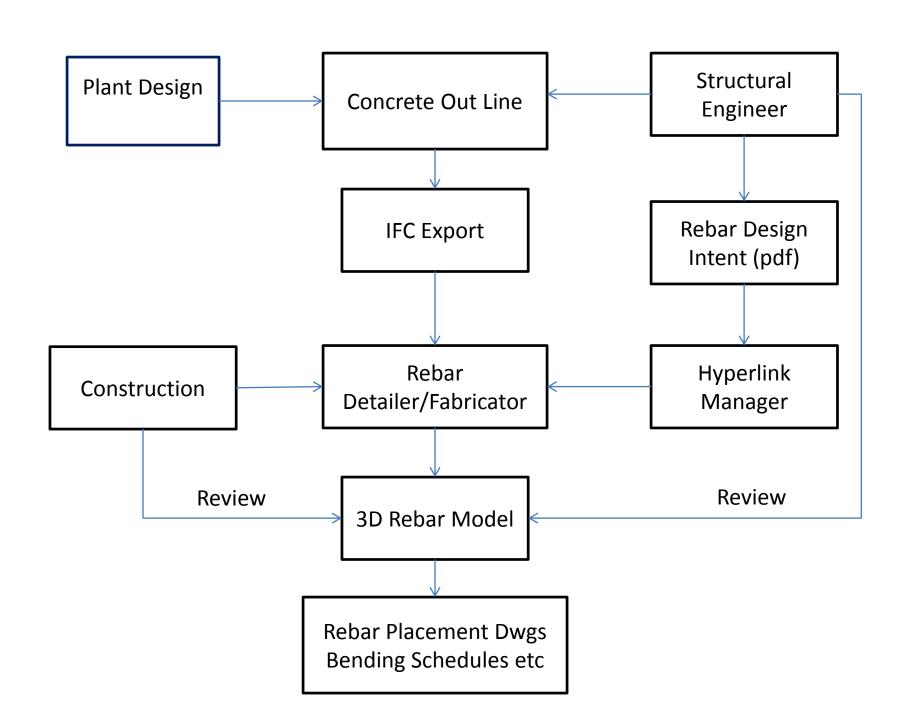
Return On Investment

- Estimated 20% savings on field labor J. Wills,
 Lead Civil Field Engineer
- Unit Rate 19.68 hrs/ton
- Approximately 185 tons of rebar per unit
- Savings per unit = 728 hours of field labor
- Three units total savings over 2000 hours









From Model to Field and Back

