CONSTRUCTION BUSINESS OWNER WEBINAR

The Power of “I” in BIM

Sponsored by PROCORE

Presented by
Raul Gomez, Robins & Morton | Blake Sayers, Robins & Morton
Tim Kelly, Assemble | Mikael Reckley, Procore

Speakers

RAUL GOMEZ

Director of Virtual Design & Construction & BIM
Robins & Morton

Gomez has over 25 years of AEC VDC/BIM/CAD technology integration in the United States and internationally. His focus is developing strategies and relationships within AEC platform technologies that will support company initiatives by way of model-based intelligence, streamlining building metadata for purposes of model interrogation, quantity extraction and constructability.

MIKAEL RECKLEY

Field Marketing Manager
Procore

Reckley graduated from the United States Military Academy and served as an officer in the U.S. Army from 1996 to 2001. After leaving the service, he worked for Turner Construction for several years filling multiple roles such as assistant superintendent, area superintendent, project engineer and project manager. For the last 6 years at Turner, Reckley served as the virtual design and construction manager, where he was exposed to several technology topics such as BIM, electronic document control and punchlist.

TIM KELLY

Product Manager
Assemble Systems

Kelly works closely with customers to develop the product strategy and roadmap. Kelly has spent the last 7 years innovating with BIM in design and construction from the general contractor and construction management perspective. Kelly earned his bachelors of construction science from Texas A&M University. Prior to joining Assemble Systems, Kelly served as BIM Manager at Satterfield & Pontikes Construction.

BLAKE SAYERS

Preconstruction
Robins & Morton

Sayers focuses on large healthcare projects. Blake is passionate about finding new ways to deliver the owner a better product, Assemble & 3D modeling software has played a large role in making this happen for Blake.

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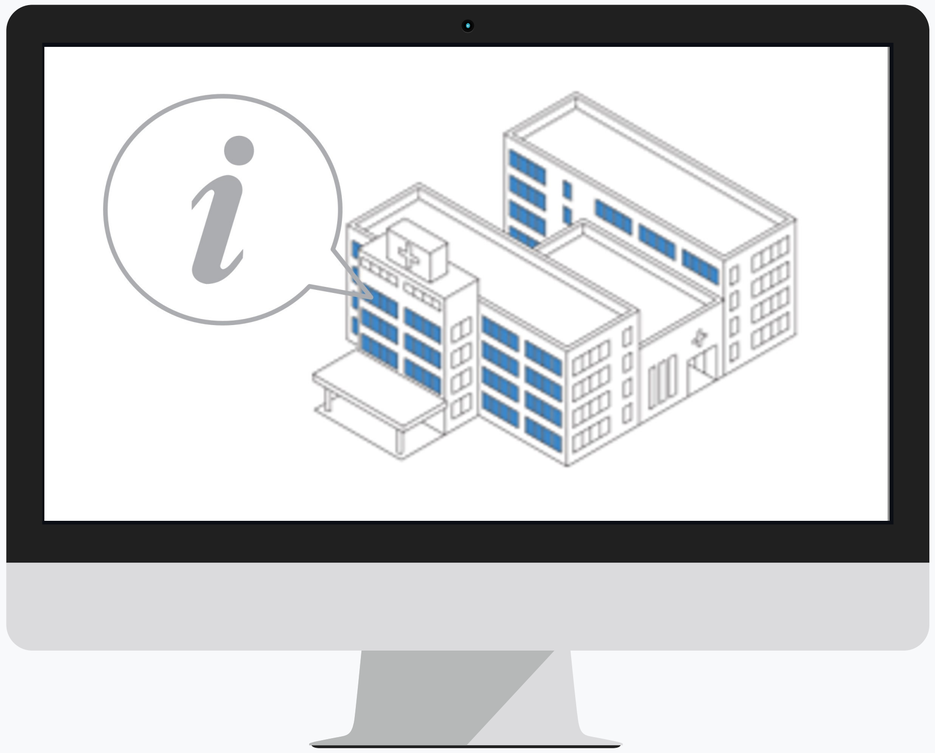
Agenda

Today’s webinar

+ Company introductions
+ The importance of information
+ Benefits of cloud-based software
    > During preconstruction
    > During construction
+ BIM utopia



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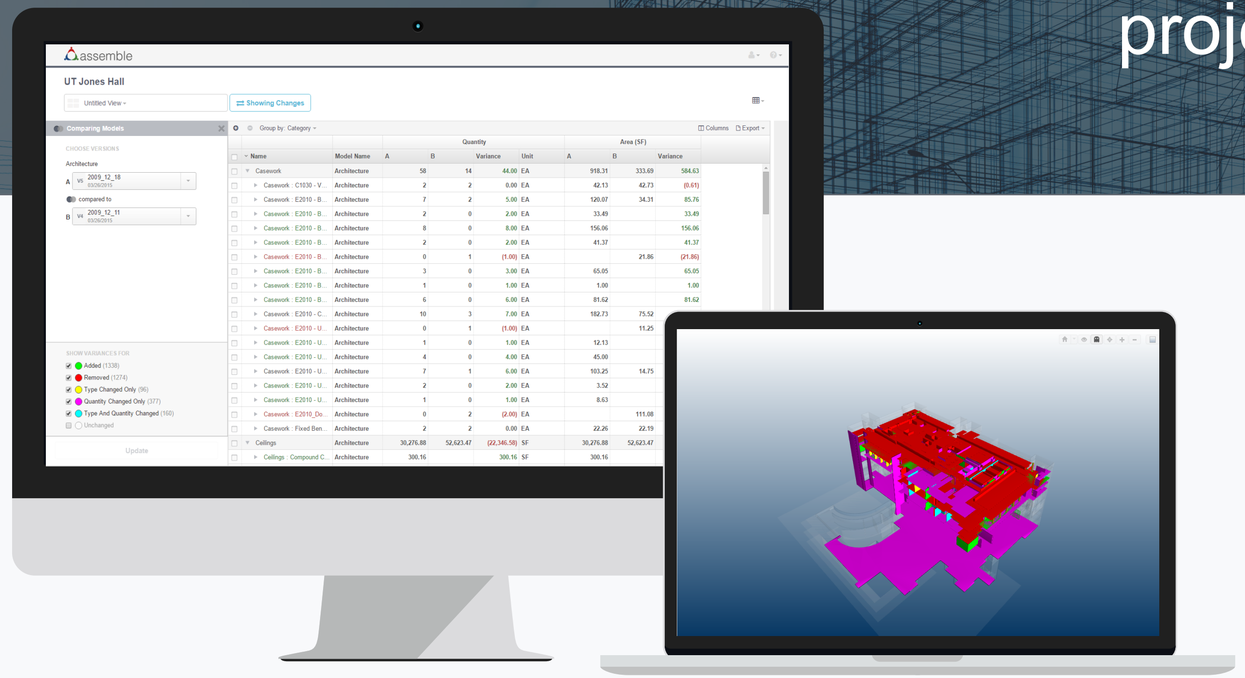
About Assemble

Assemble unlocks the power of model data to create intelligent building information across the project life cycle.



Access

Analyze

Share

PROCORE

assemble

ROBINS & MORTON

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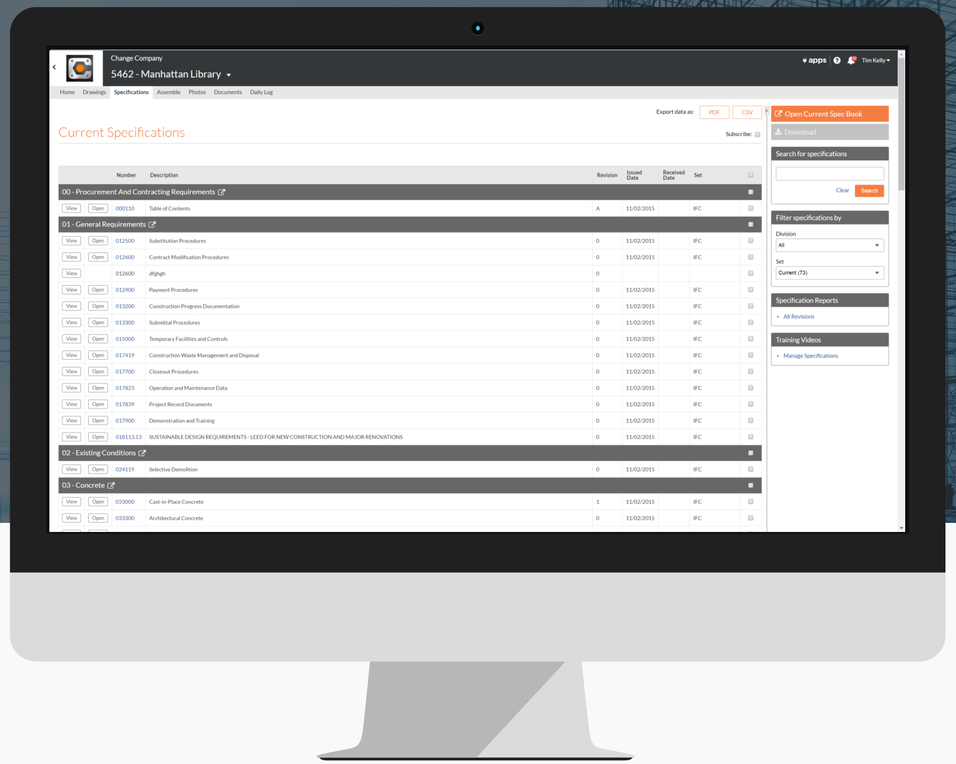
About Procore



Procore is the world's most widely used construction management software, helping firms drastically increase project efficiency and accountability by streamlining and mobilizing project communication and documentation.

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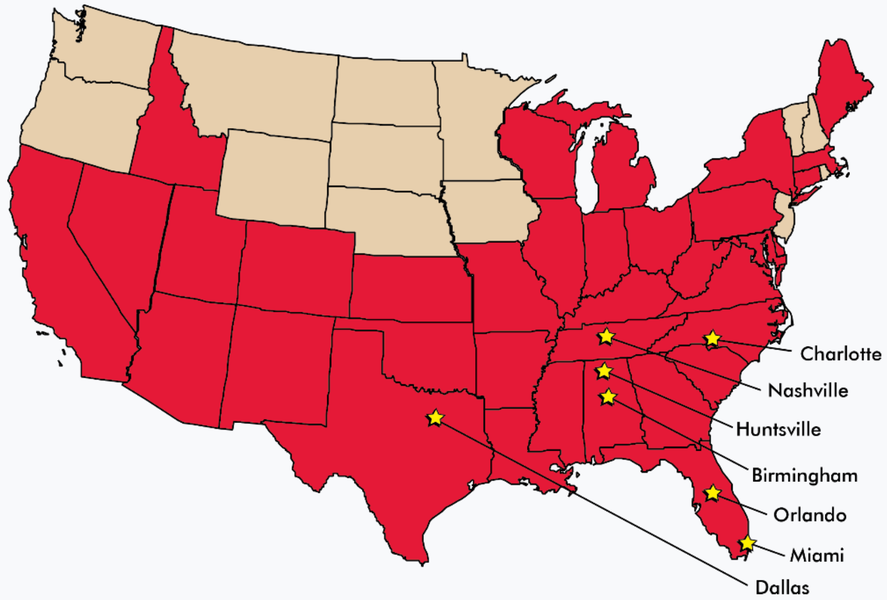
About Robins & Morton

+ Same ownership/culture for 70+ years
+ Continuous improvement – LEAN
+ National healthcare experience
+ 35+ large replacement hospital
+ Over 1,500 completed healthcare projects in 35 states

ROBINS & MORTON BUILDING Forward

ENR TOP 400 #88 ROBINS & MORTON

Modern Healthcare #1 TOP 2010 #1 GENERAL CONTRACTORS
#1 2009 2001 1998 1992 1989



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Robins & Morton: Experience

MAINE GENERAL MEDICAL CENTER – ALFOND CENTER FOR HEALTH
Augusta, Maine

Relevancy to NAMC

- ✓ Project delivery
- ✓ Safety
- ✓ Prefabrication
- ✓ Quality at the source
- ✓ Lean project delivery

BAYLOR SCOTT AND WHITE MEDICAL CENTER – HILLCREST
Waco, Texas

Relevancy to NAMC

- ✓ Design assist
- ✓ Budget constraints
- ✓ Size

BAPTIST MEMORIAL HOSPITAL – NORTH MISSISSIPPI
Oxford, Mississippi

Relevancy to NAMC

- ✓ Design assist
- ✓ Prefabrication
- ✓ Safety
- ✓ Size

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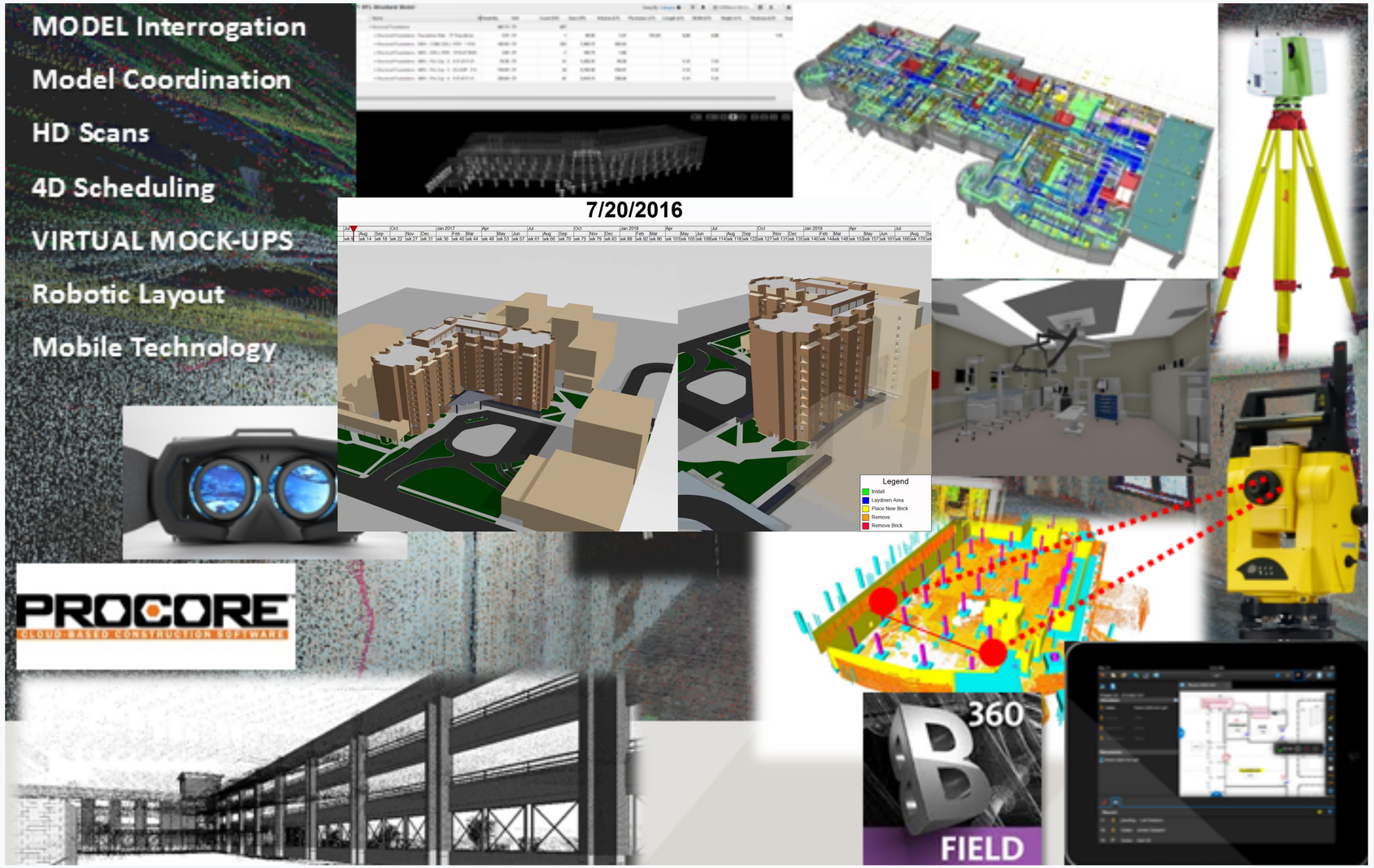
Robins & Morton: VDC Technology in Construction



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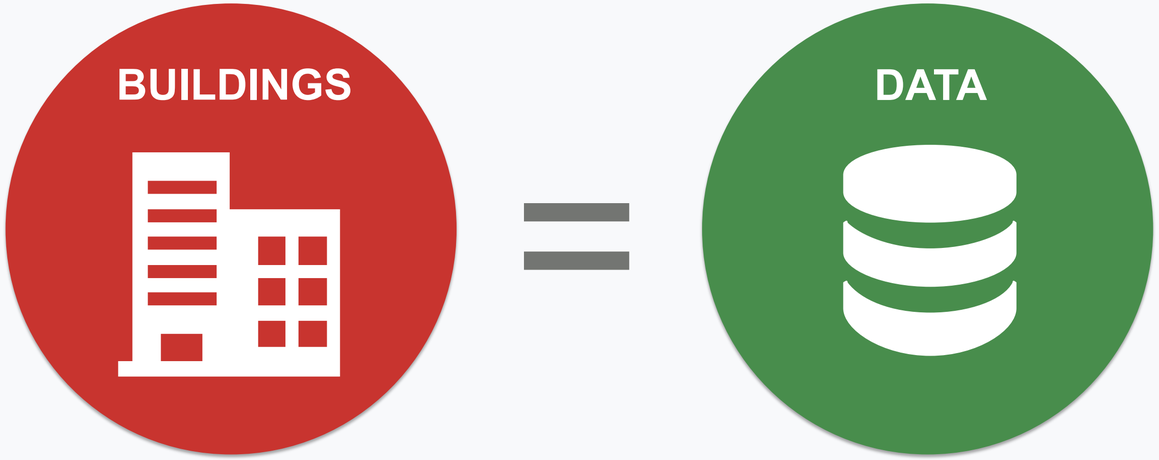
BIM as a Database

“BIM is a computer model database of building design information, which may also contain information about the building’s construction, management, operation and maintenance.”

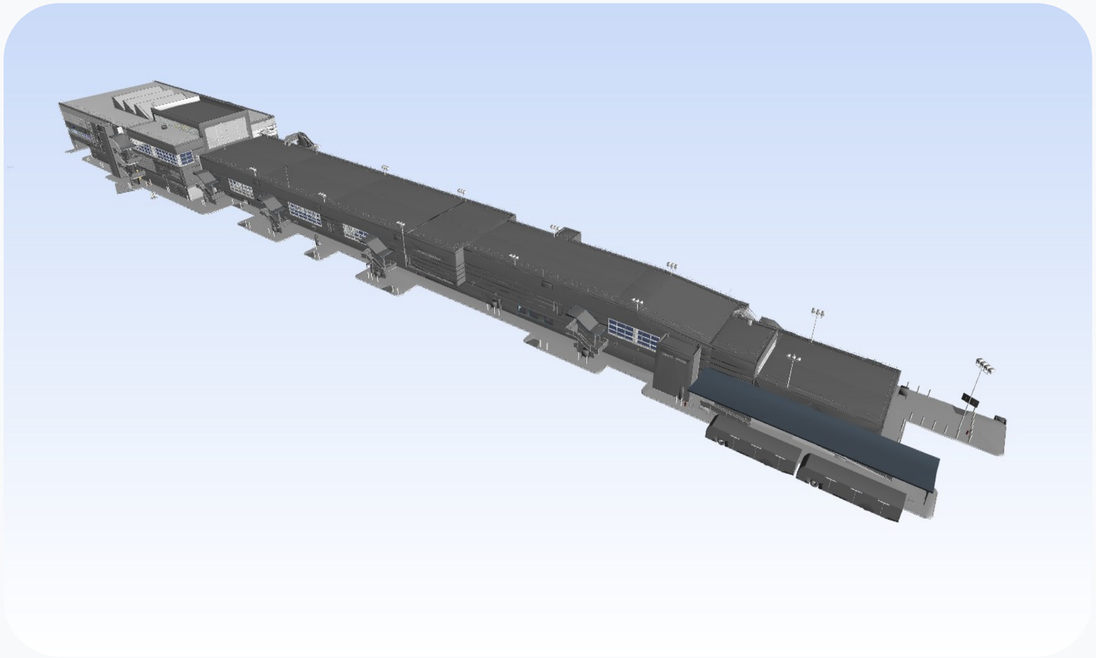
- *Graphisoft*



Query values to get a visual representation of the associated components and any other associated data.

BIM as a Database

- Scope
- Logistics
- Complexity
- Schedule
- Cost
- Production



Improve the outcome

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BIM

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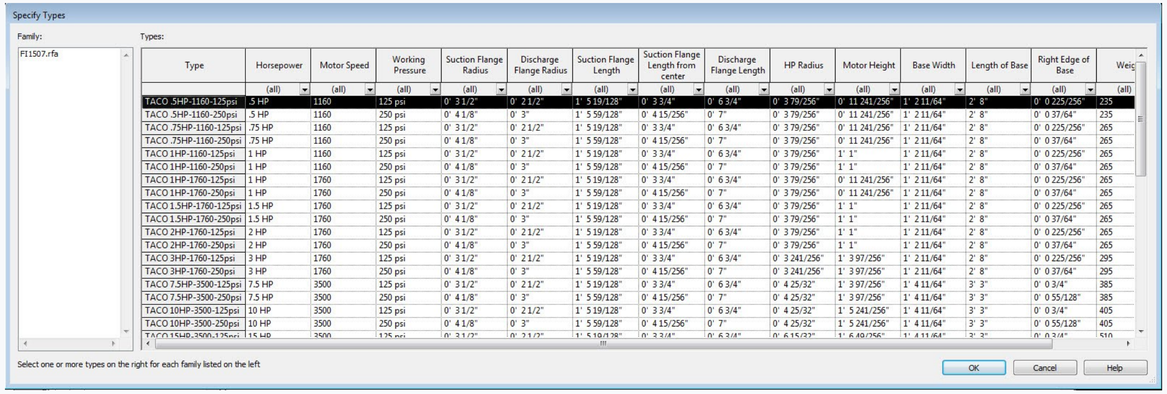
Information

Documentation

Parametric



Type	Horsepower	Motor Speed	Working Pressure	Suction Flange Radius	Discharge Flange Radius	Suction Flange Length	Suction Flange Length from center	Discharge Flange Length	HP Radius	Motor Height	Base Width	Length of Base	Right Edge of Base	Weig
	(all)	(all)	(all)	(all)	(all)	(all)	(all)	(all)	(all)	(all)	(all)	(all)	(all)	(all)
TACO .5HP-1160-125psi	.5 HP	1160	125 psi	0' 3 1/2"	0' 2 1/2"	1' 5 19/128"	0' 3 3/4"	0' 6 3/4"	0' 3 79/256"	0' 11 241/256"	1' 2 11/64"	2' 8"	0' 0 225/256"	235
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TACO 2HP-1760-125psi	2 HP	1760	125 psi	0' 3 1/2"	0' 2 1/2"	1' 5 19/128"	0' 3 3/4"	0' 6 3/4"	0' 3 79/256"	1' 1"	1' 2 11/64"	2' 8"	0' 0 225/256"	265
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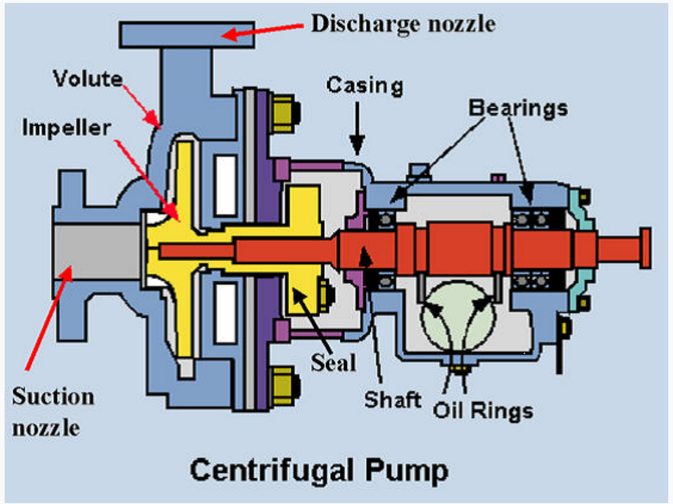
Media



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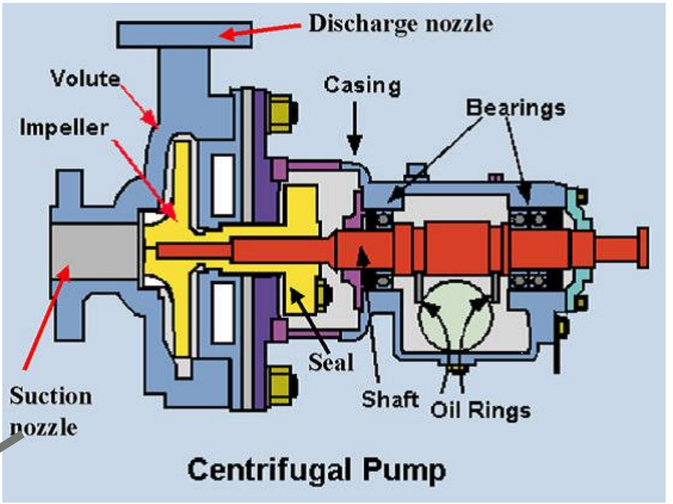
Documentation

Parametric

Media



Specify Types

Family: FI1507.rfa

Types:

Type	Horsepower	Motor Speed	Working Pressure	Suction Flange Radius	Discharge Flange Radius	Suction Flange Length	Suction Flange Length from center	Discharge Flange Length	HP Radius	Motor Height	Base Width	Length of Base	Right Edge of Base	Weig
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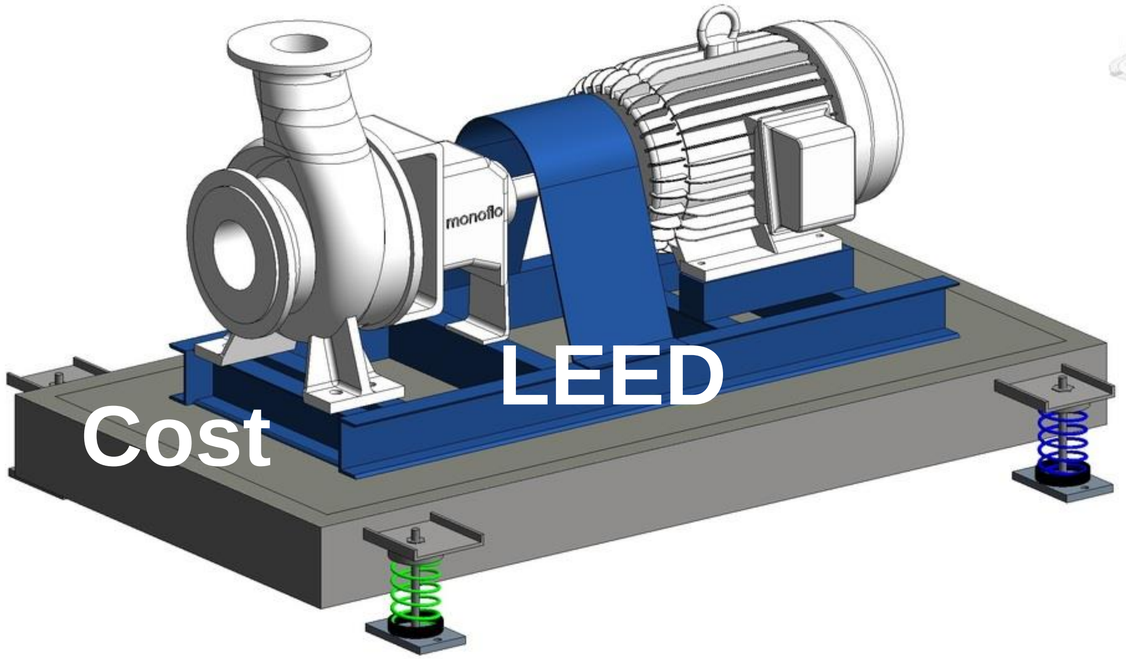
Select one or more types on the right for each family listed on the left

OK Cancel Help

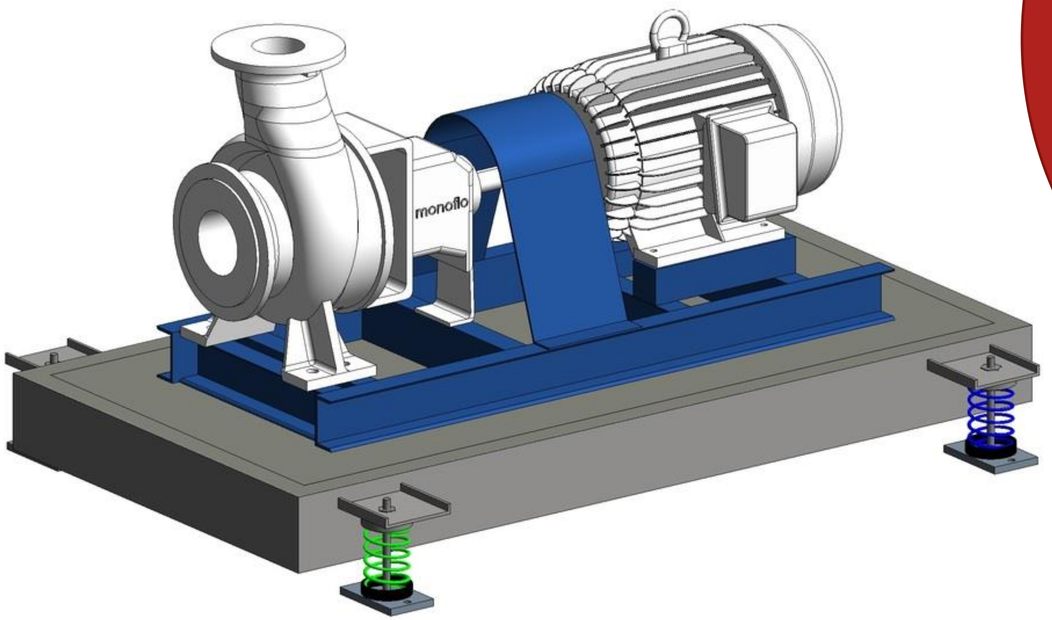


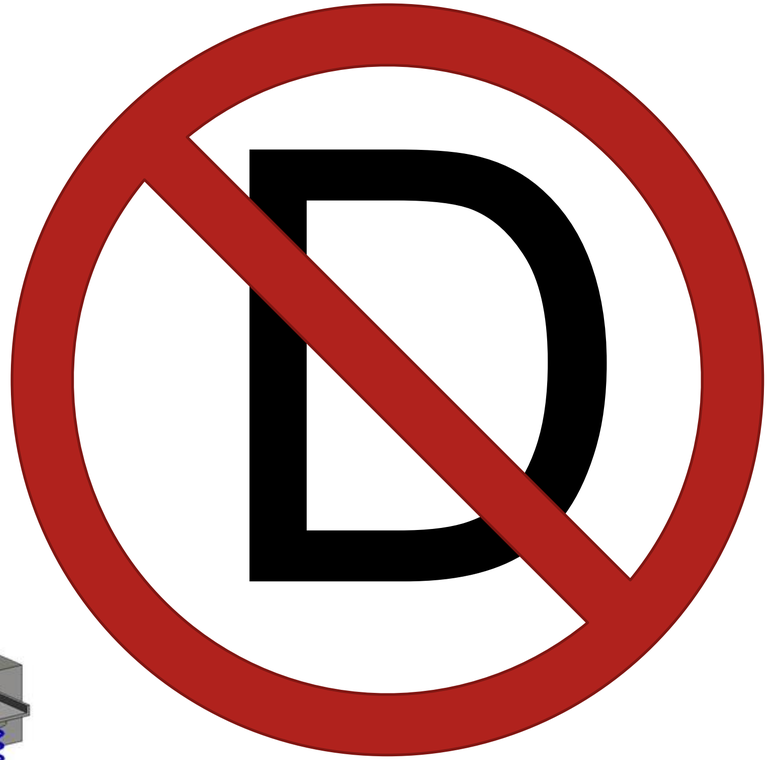
Facilities

Estimating

Too Many D’s

+ 5D Estimation
+ 6D Facilities
+ 7D LEED/Sustainability





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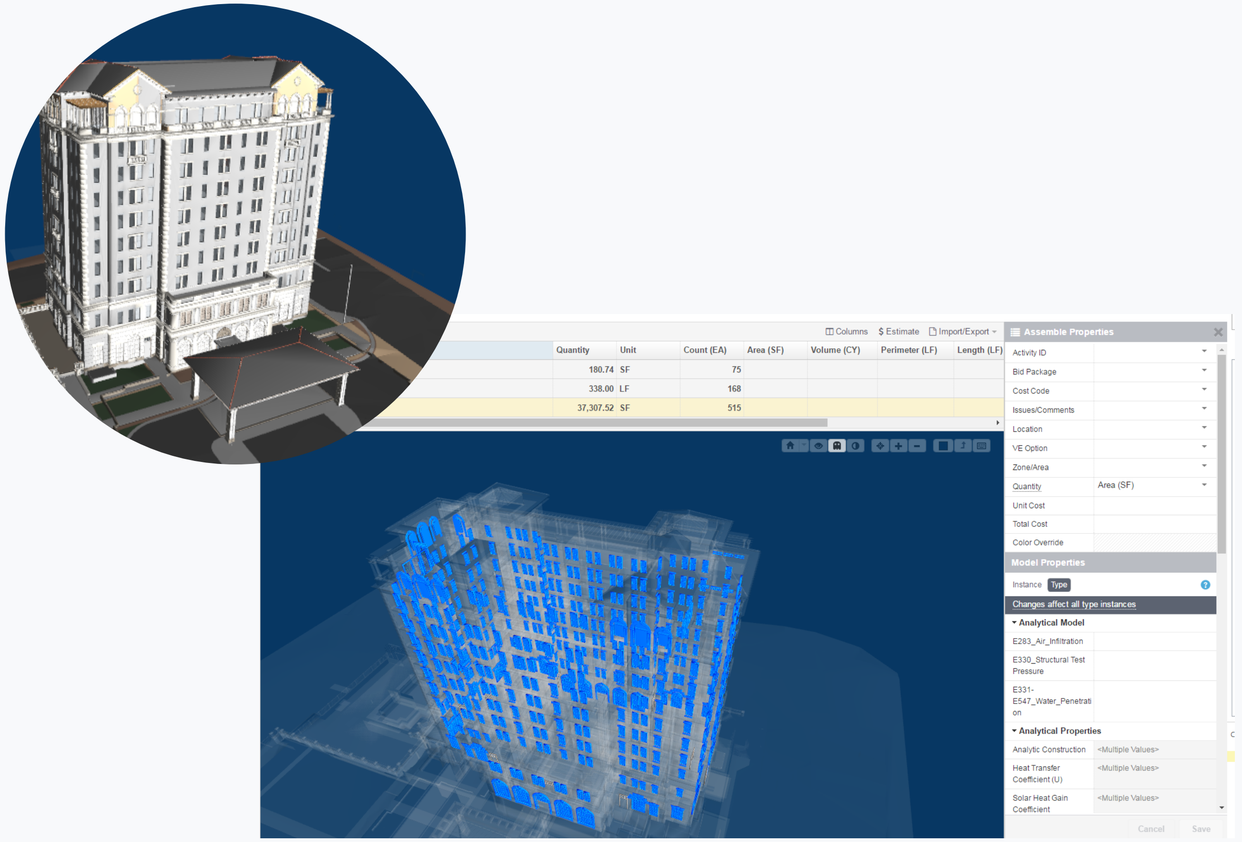
BIM

(b)INFORMATION(m) for Project Management

+ Export of all model elements to organized database structure
+ Sort, group and filter to review based on any set of information
+ Collaborate around information across your team



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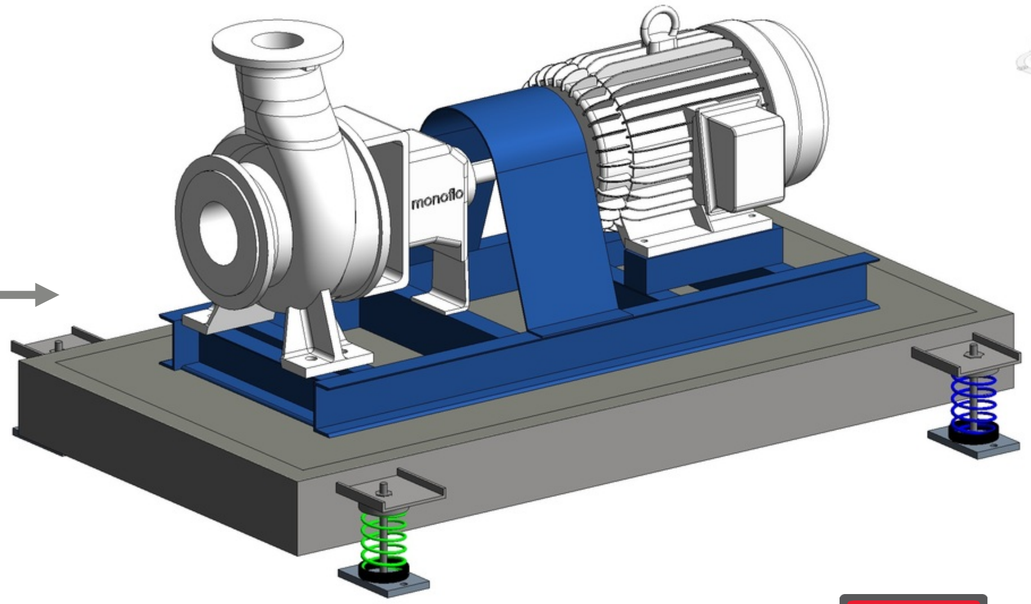
+ Documentation
+ Parametric data
+ Media

Instant access to all information



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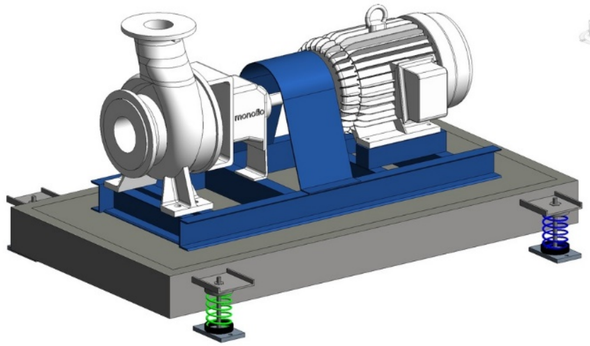
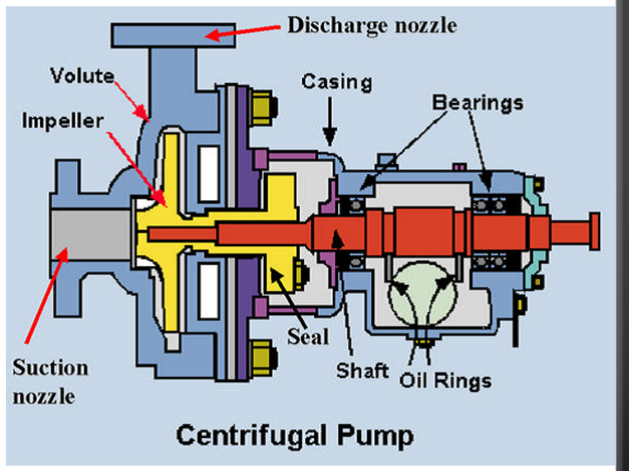
P-105
HVAC in line pump

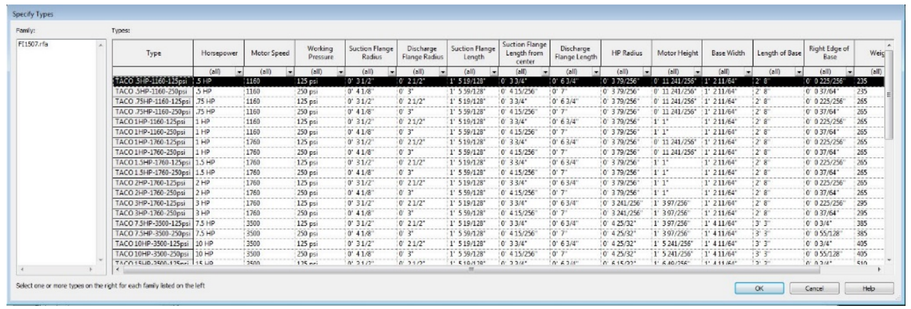
Service Date	Equipment	Result
10/12/16	Valve	Pass
10/16/16	Filter	Fail



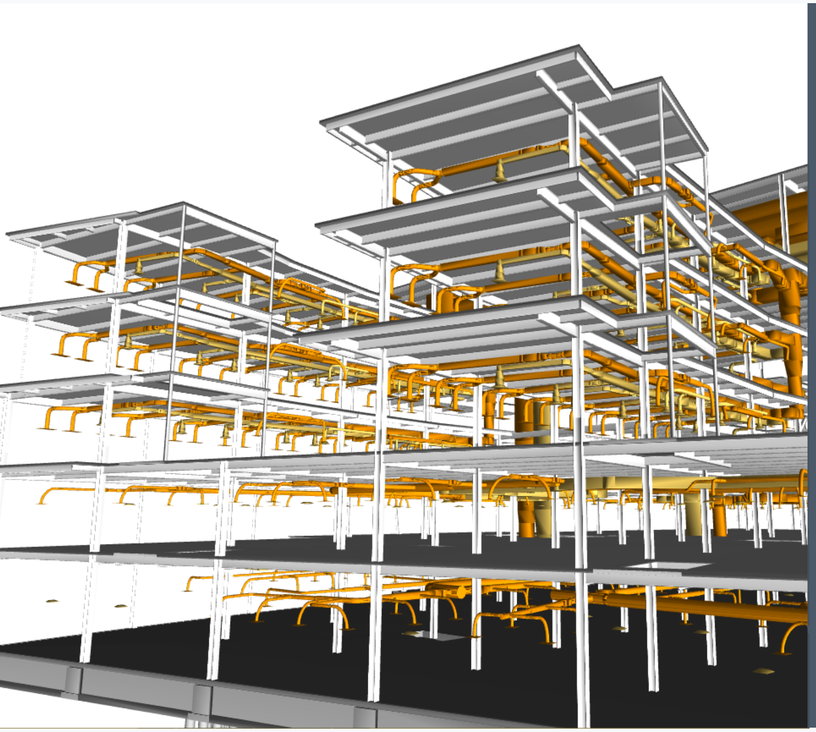


Centrifugal Pump

Submittals/RFIs/Warranty



Communication around Federated Project Data



- All project properties in the model
- All models, and all versions grouped, filtered, sorted
- All team members collaborate online
- All standard driven templates, reports, and analysis

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Questions?

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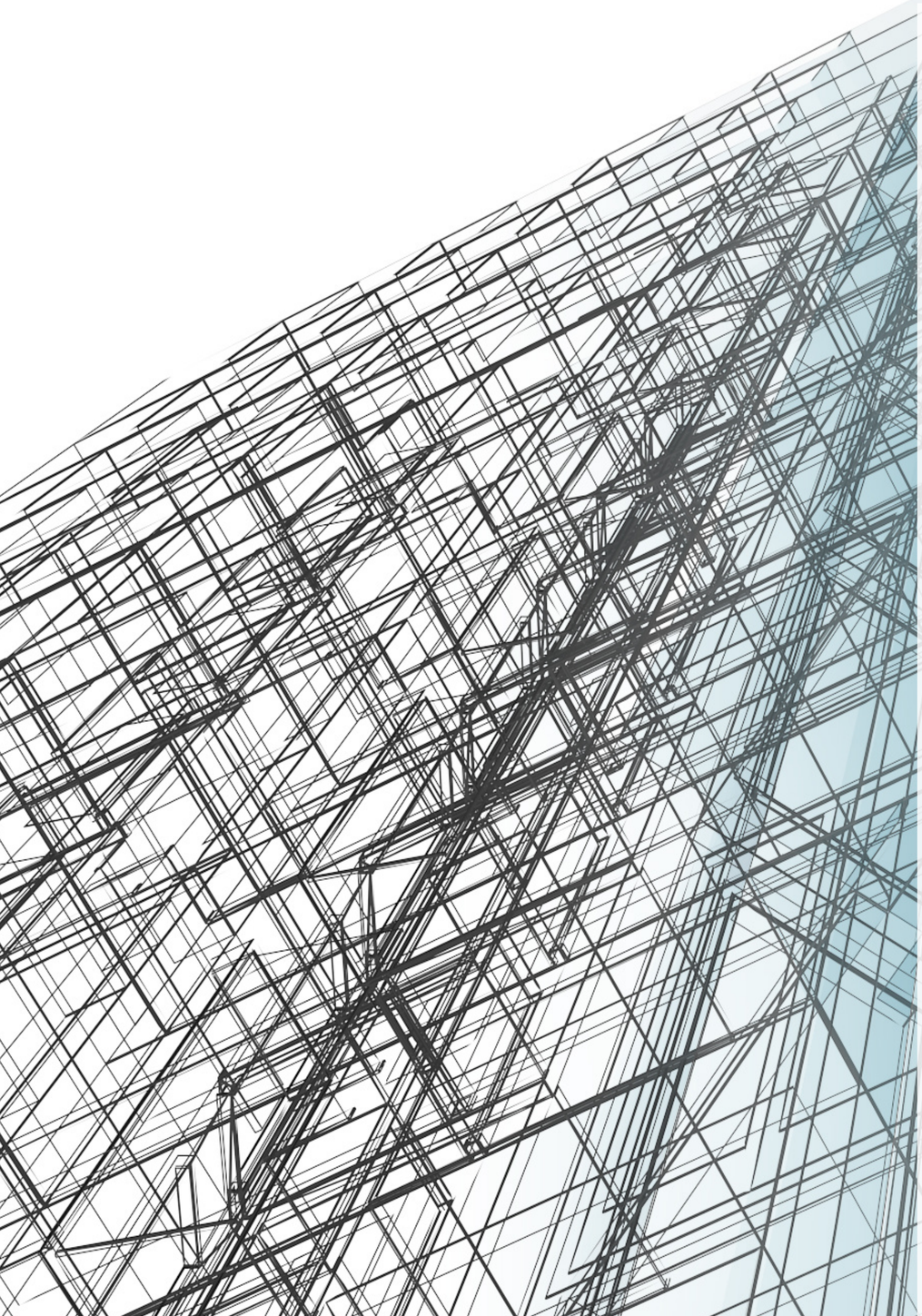

CONSTRUCTION BUSINESS OWNER WEBINAR

Thank you for attending!

Visit *constructionbusinessowner.com* in the coming days to access a recording of the webinar or download the presentation.

Presented by

Raul Gomez, Robins & Morton | Blake Sayers, Robins & Morton

Tim Kelly, Assemble | Mikael Reckley, Procore

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