

#ITCon22

Make BIM Count Where It Matters

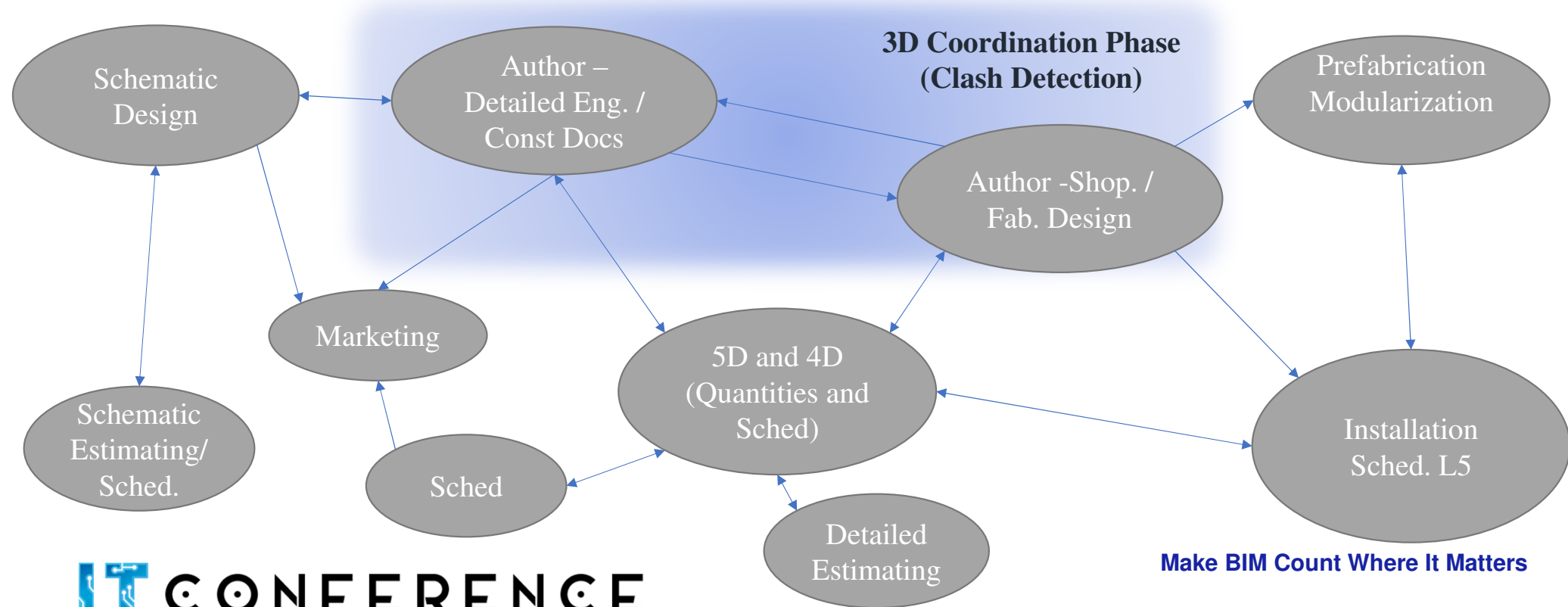
Benjamin Crosby
Director of BIM / VDC
Yates Construction

 **CONFERENCE**
FOR CONSTRUCTION PROFESSIONALS

Where Does it Matter

- Efficiency
- Clash Detection
- Design Issues
- Collaboration
- Risk Mitigation
- Coord Execution
- Scheduling

BIM Phases



Level of Development - LOD

20
20

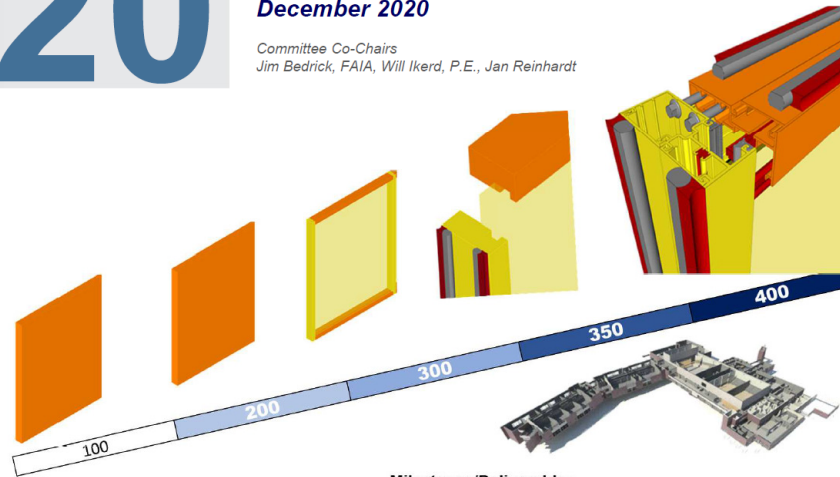
LEVEL OF DEVELOPMENT (LOD) SPECIFICATION PART I & COMMENTARY

For Building Information Models and Data

December 2020

Committee Co-Chairs
Jim Bedrick, FAIA, Will Ikard, P.E., Jan Reinhardt

BIM FORUM



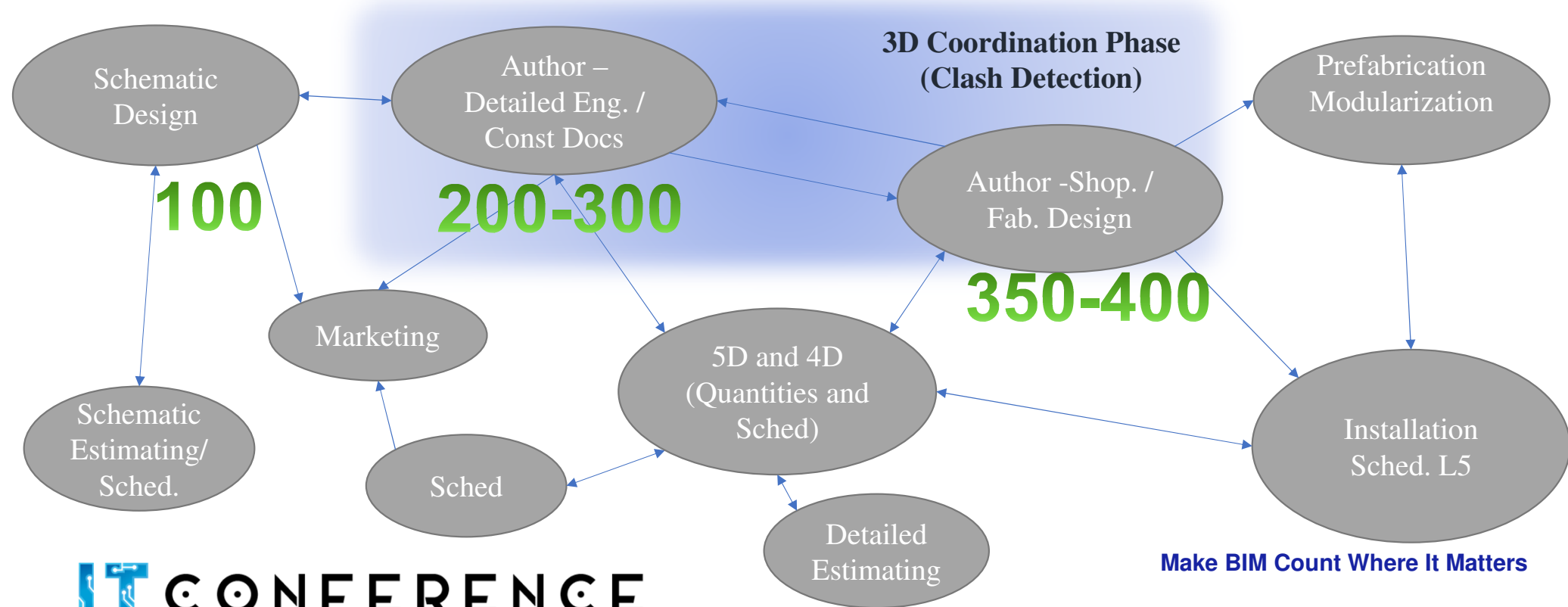
Milestones/Deliverables

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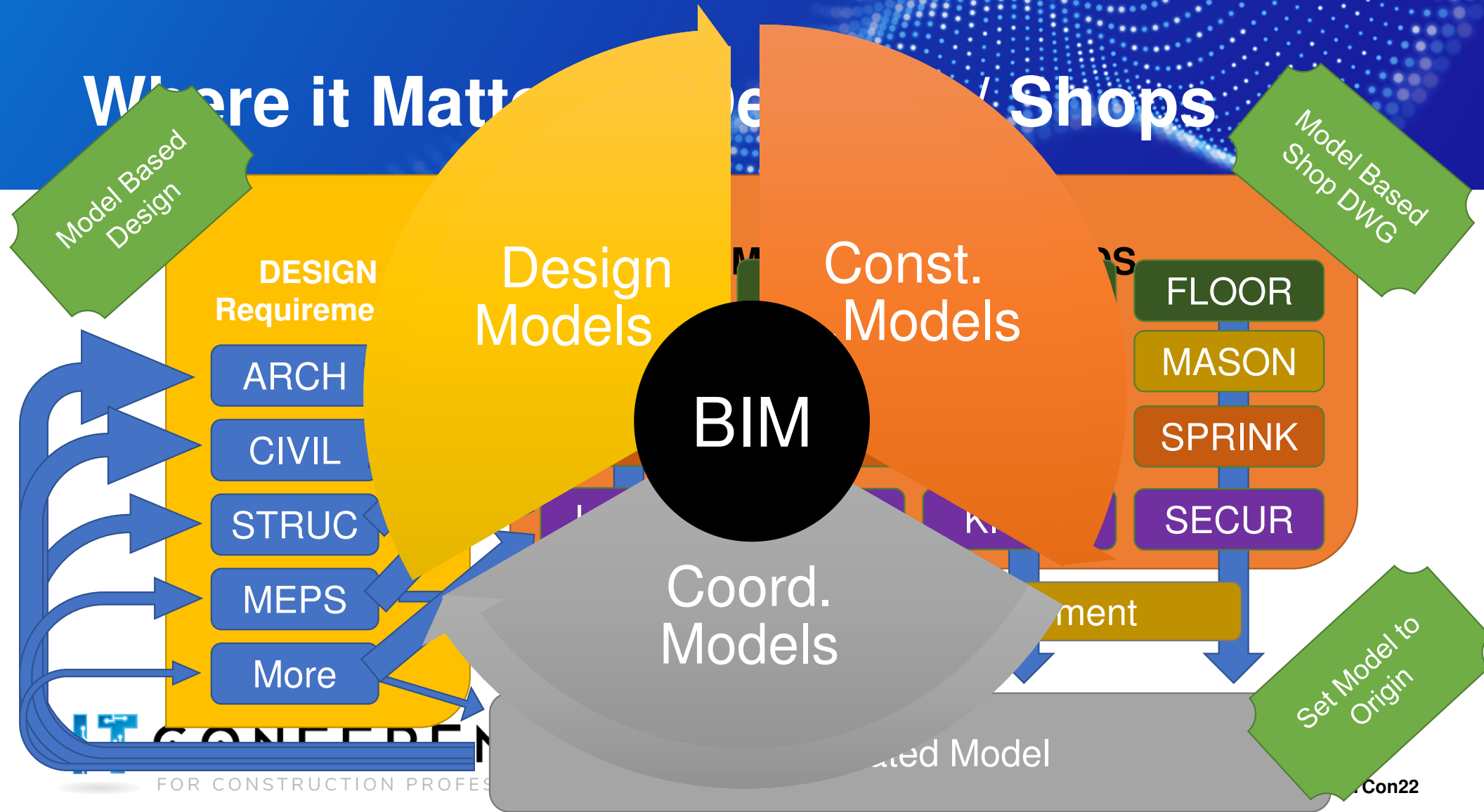
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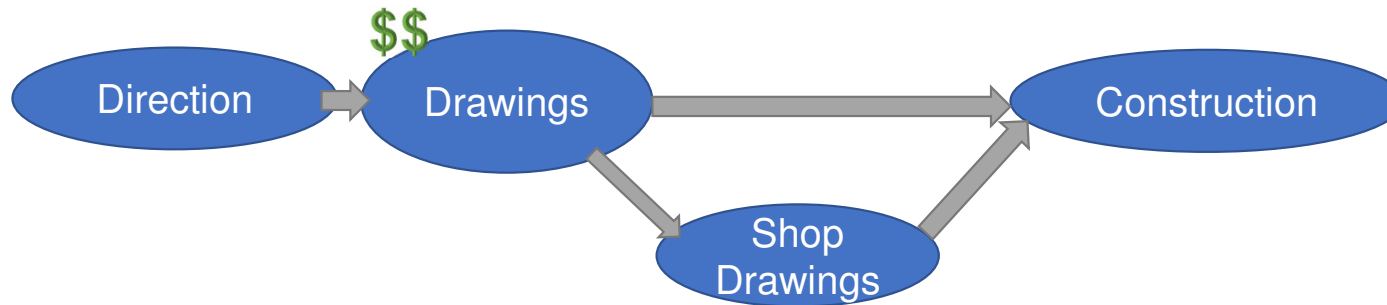
BIM Phases With LOD



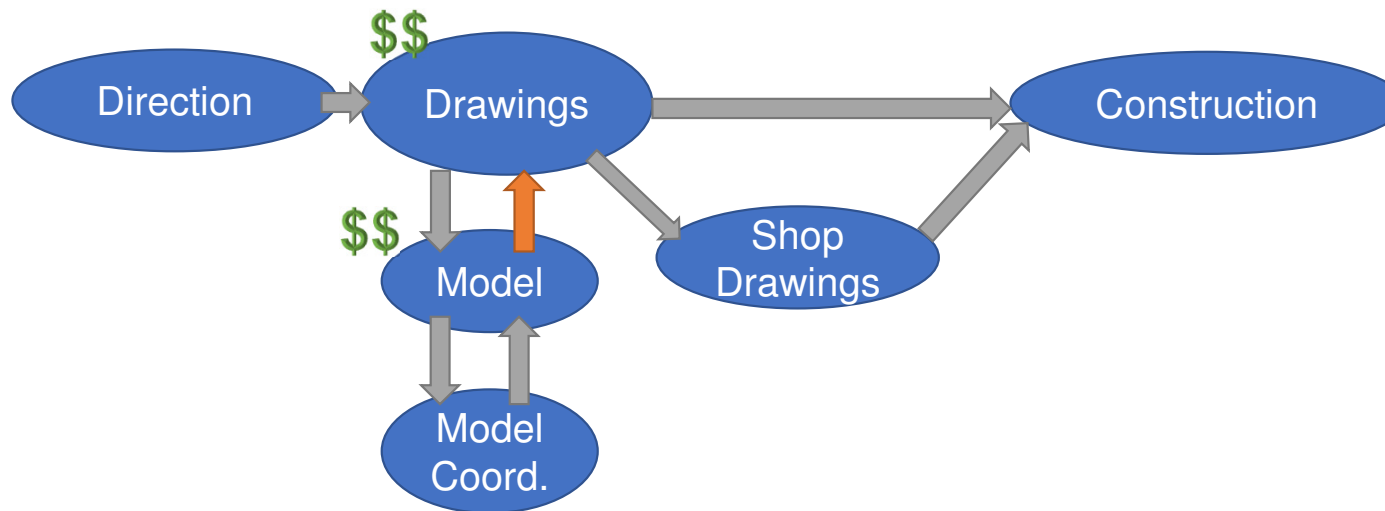
Where it Matters / Shops



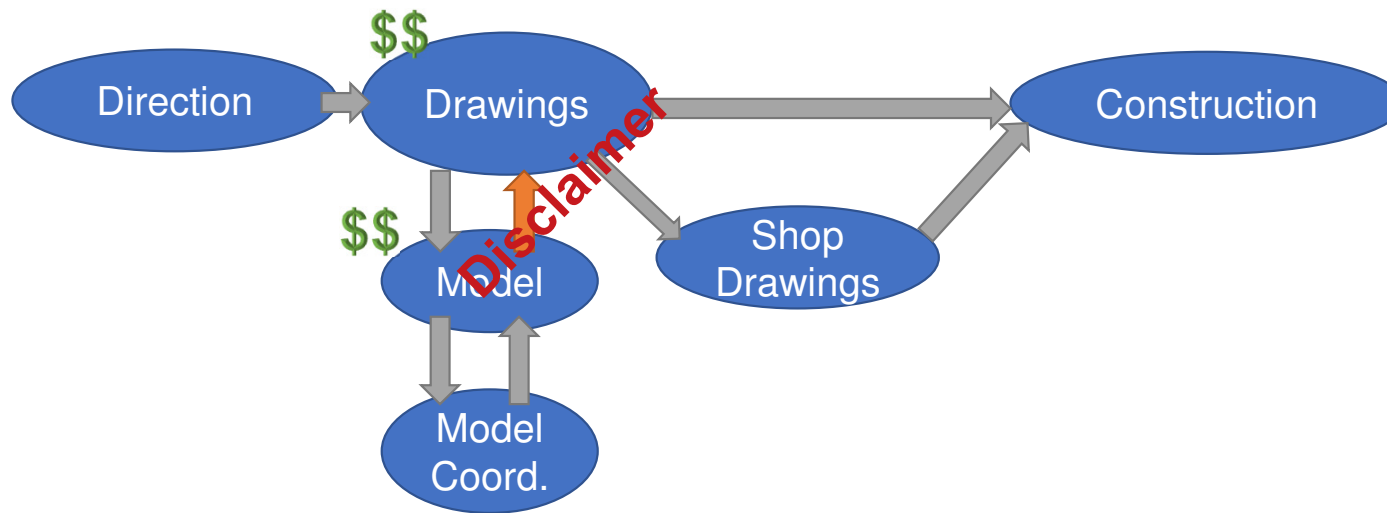
Design Models that Count



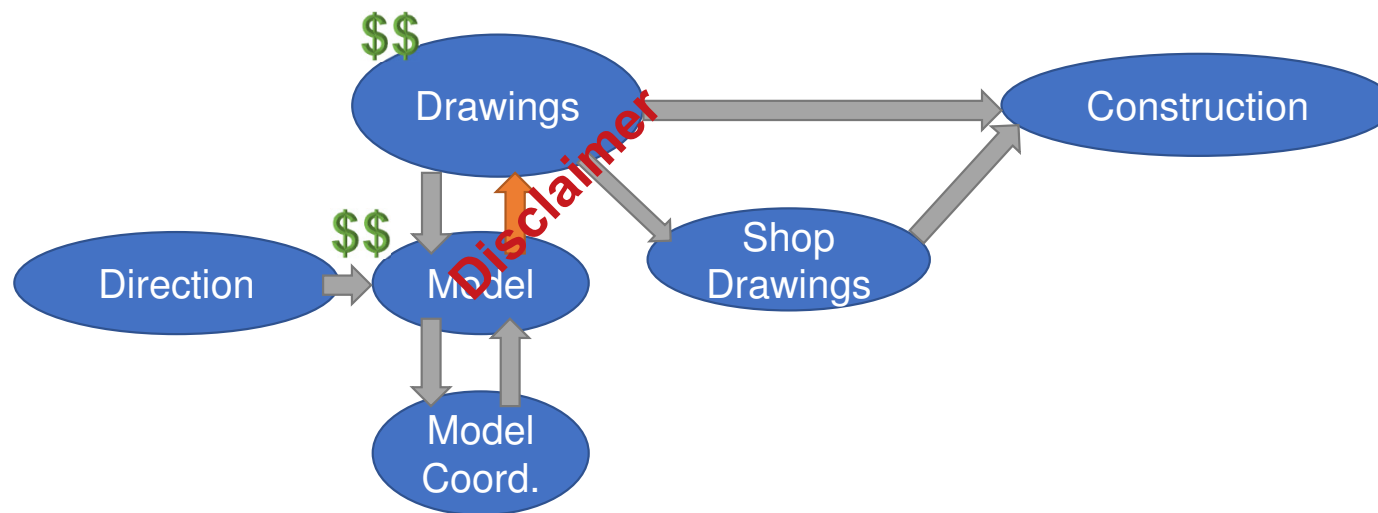
Design Models that Count



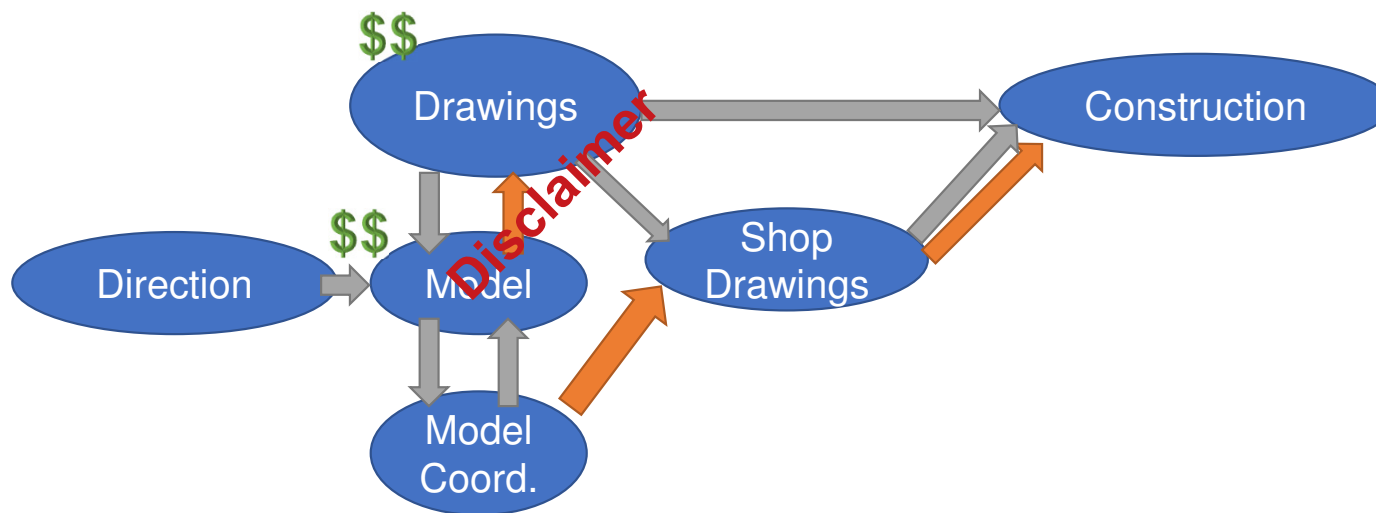
Design Models that Count



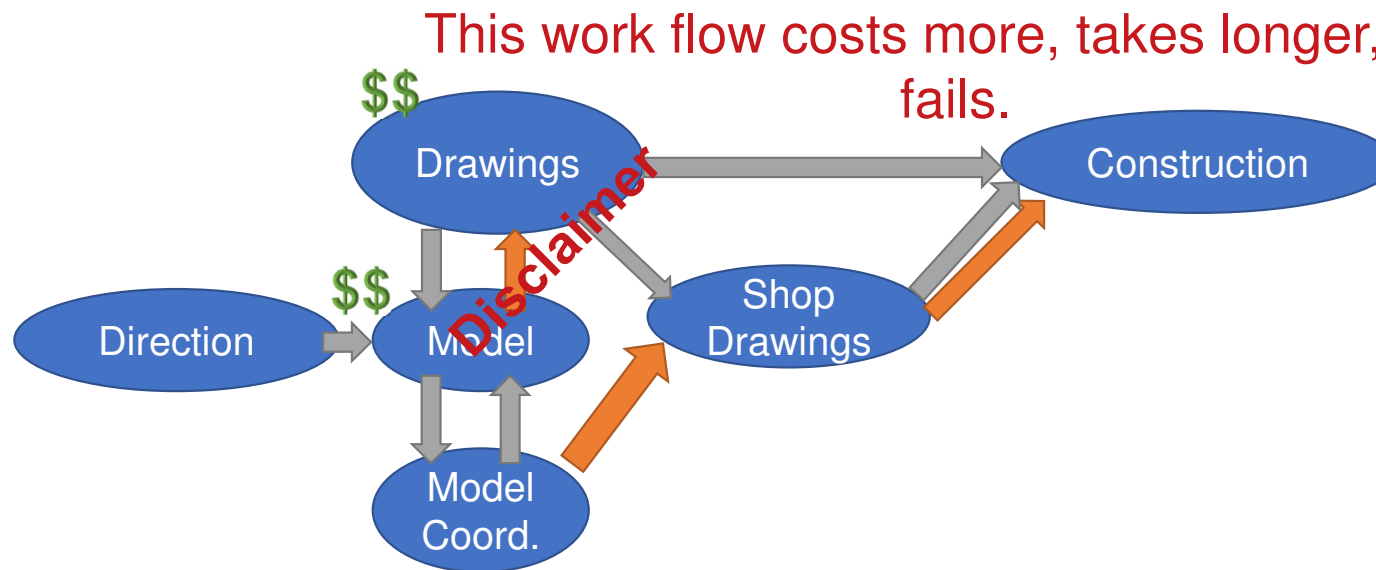
Design Models that Count



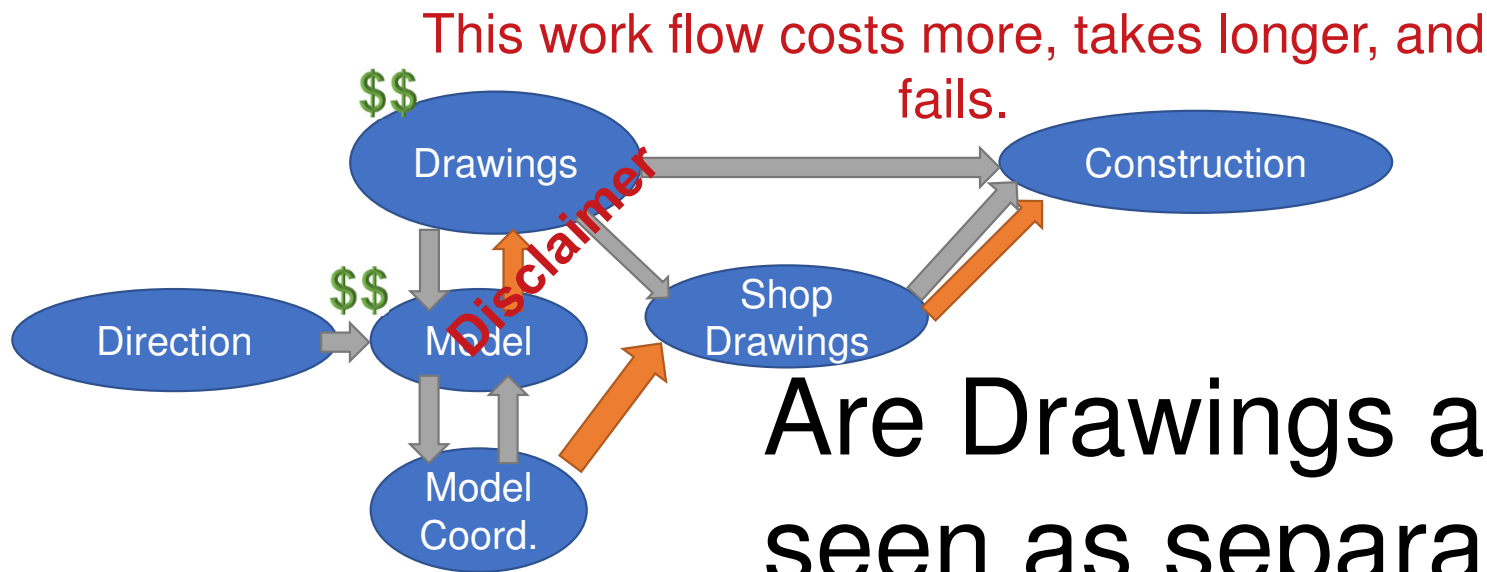
Design Models that Count



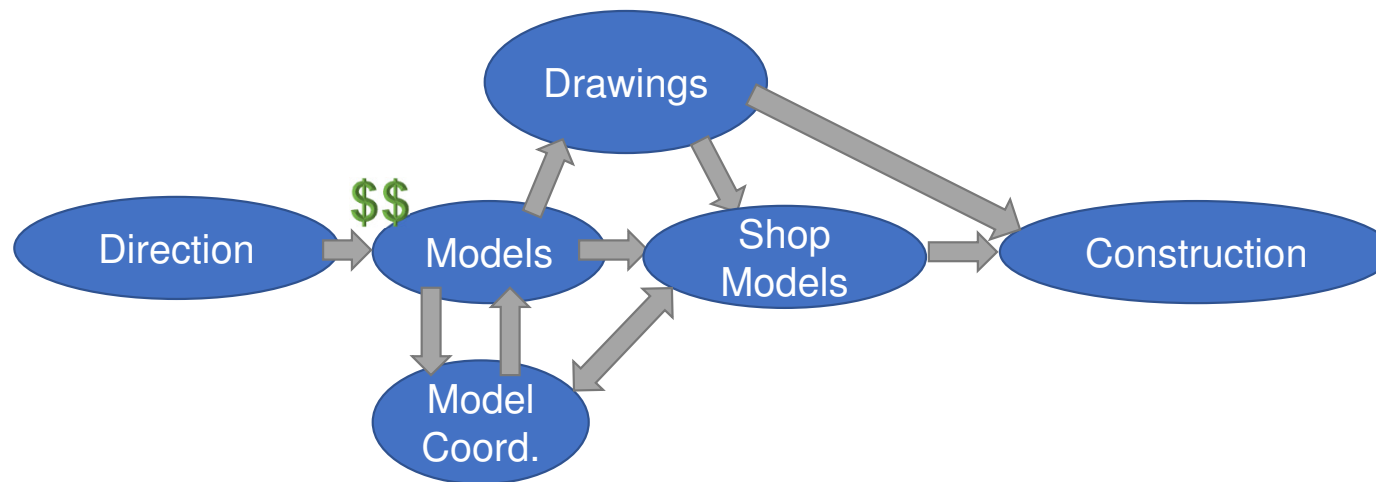
Design Models that Count



Design Models that Count



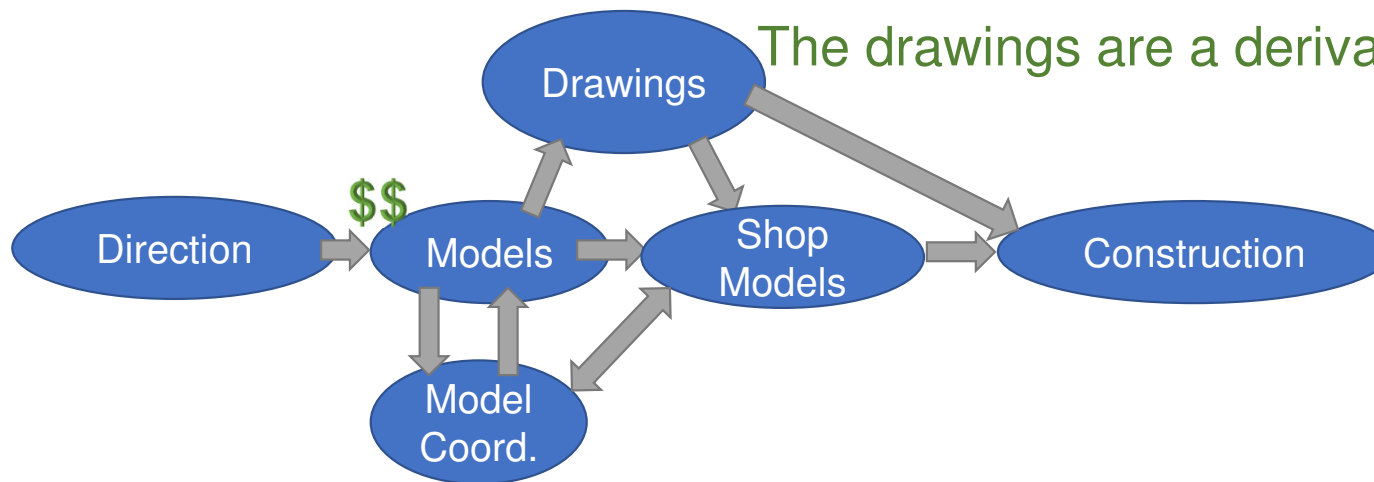
Design Models that Count



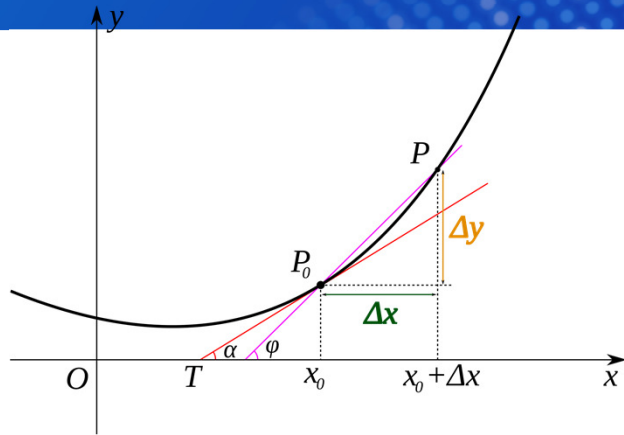
Design Models that Count

This is the way to do it!

The drawings are a derivative of the model.

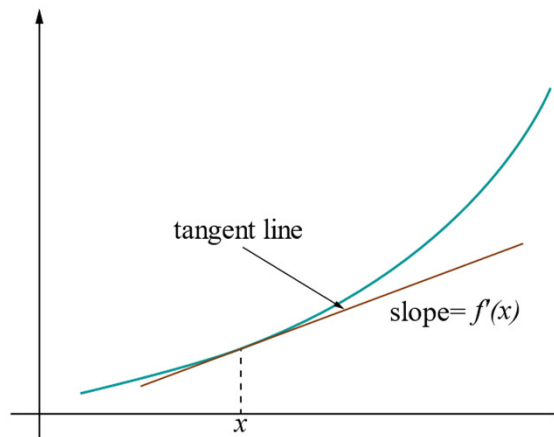


Design Models that Count



derivative

CALCULUS



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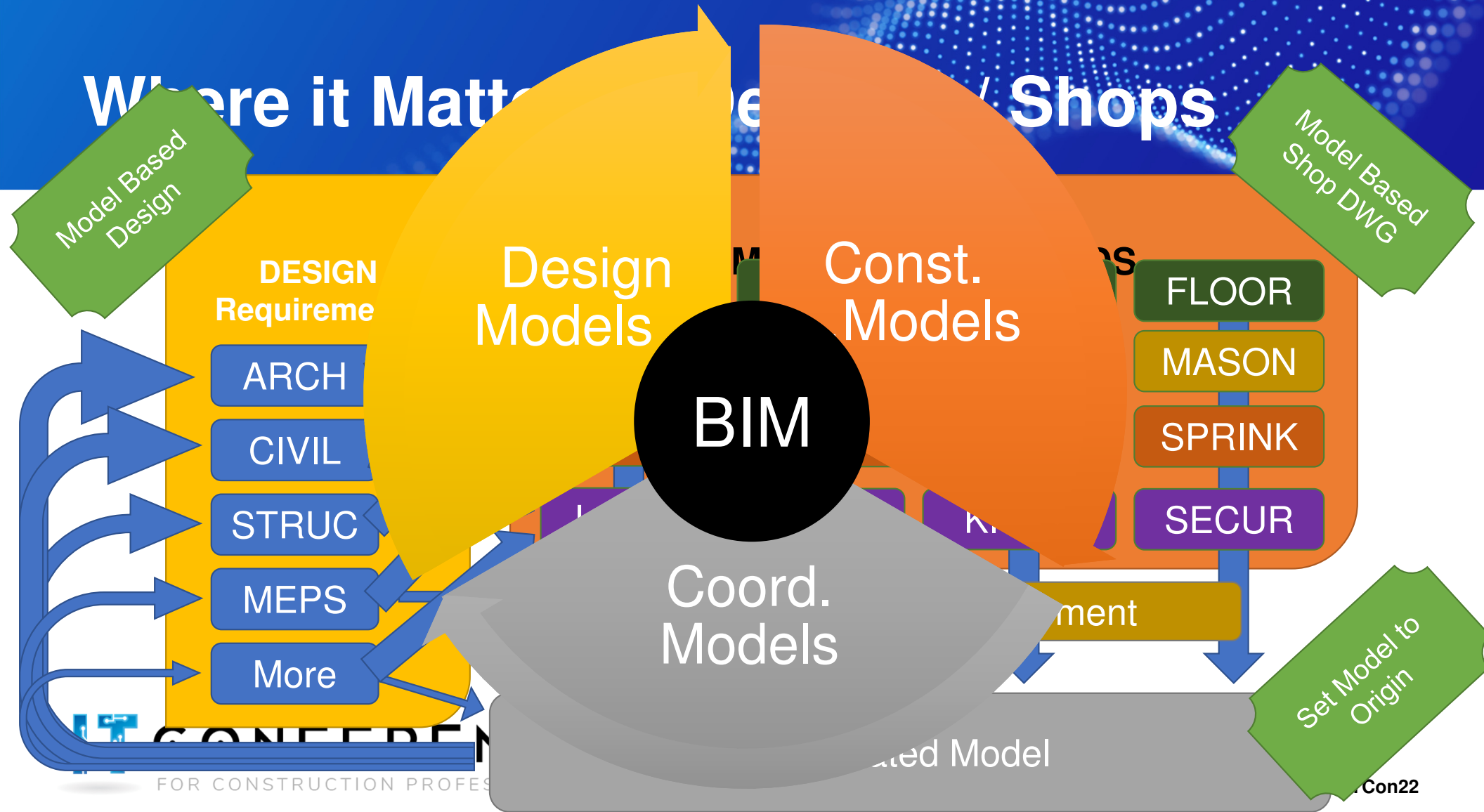
Design Models that Count – What Counts?

- ???

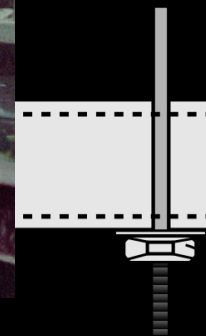
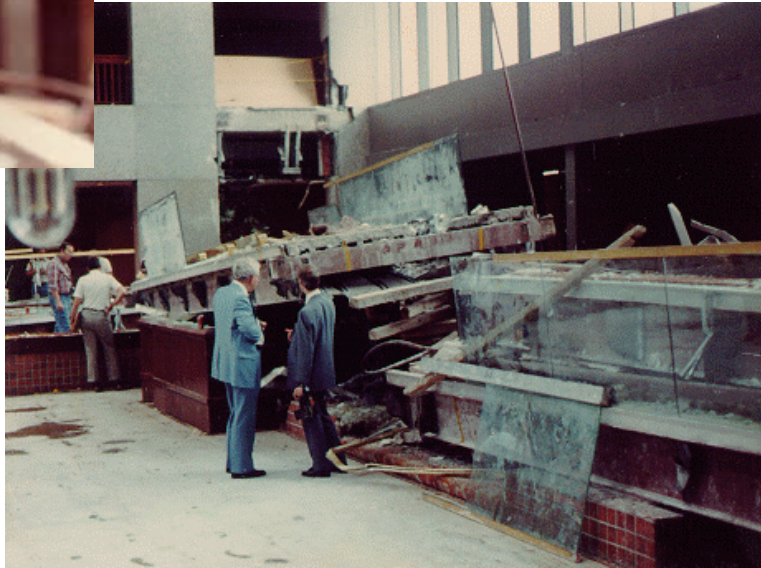
Design Models that Count – What Counts?

- LOD 300
 - Dimensions
-
- UMSTEM

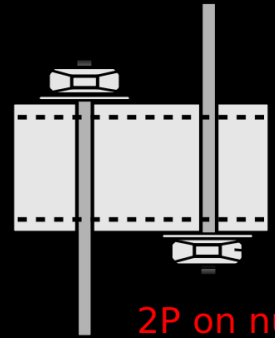
Where it Matters / Shops



Trade Models that Count – Why it Counts?



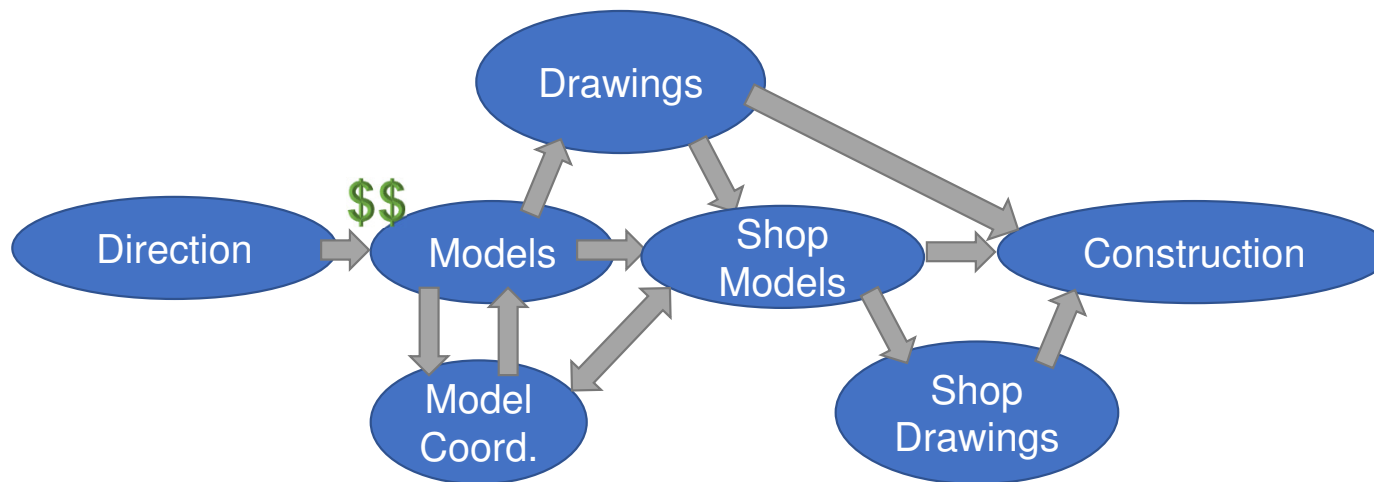
P on nut



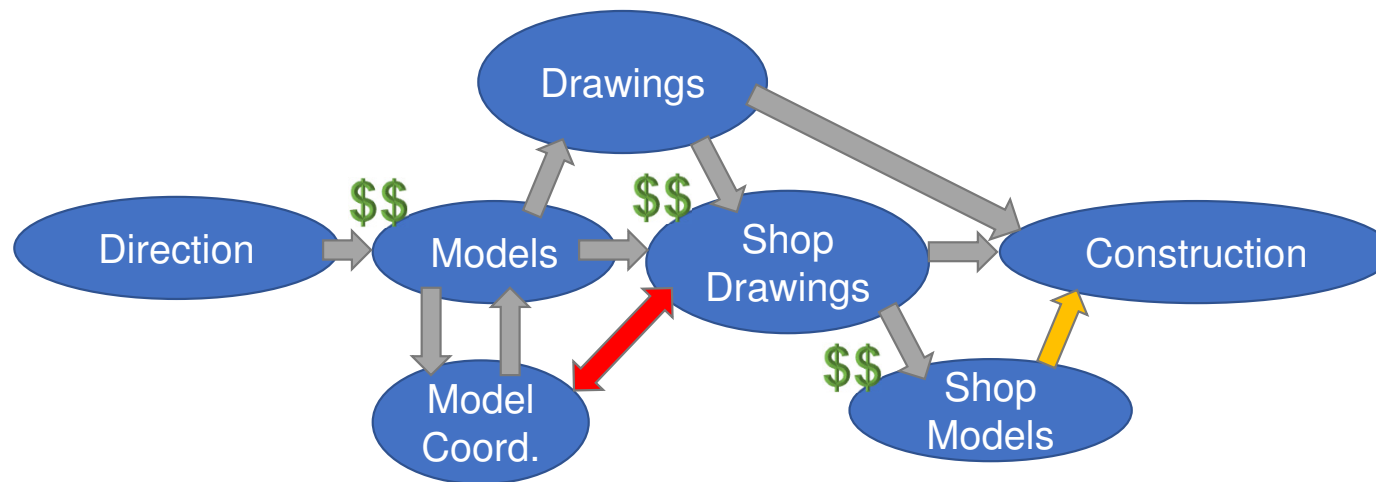
2P on nut

Trade Models that Count

This is the way to do it!



Trade Models that Count – NOPE!



Trade Models that Count – What Counts?

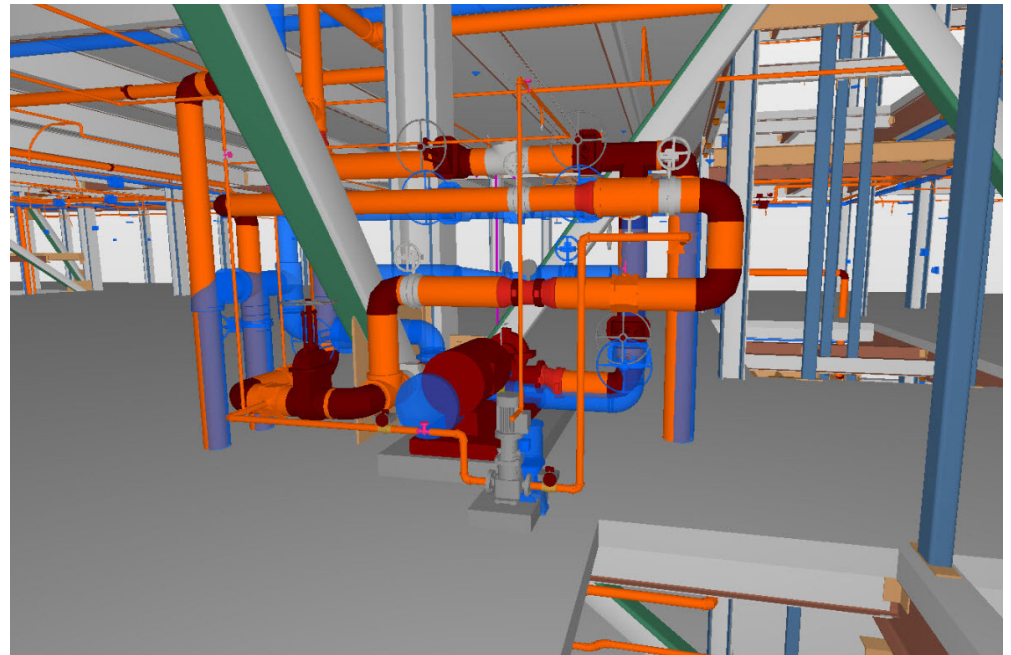
- ???

Trade Models that Count – What Counts?

- LOD 350
- Everything

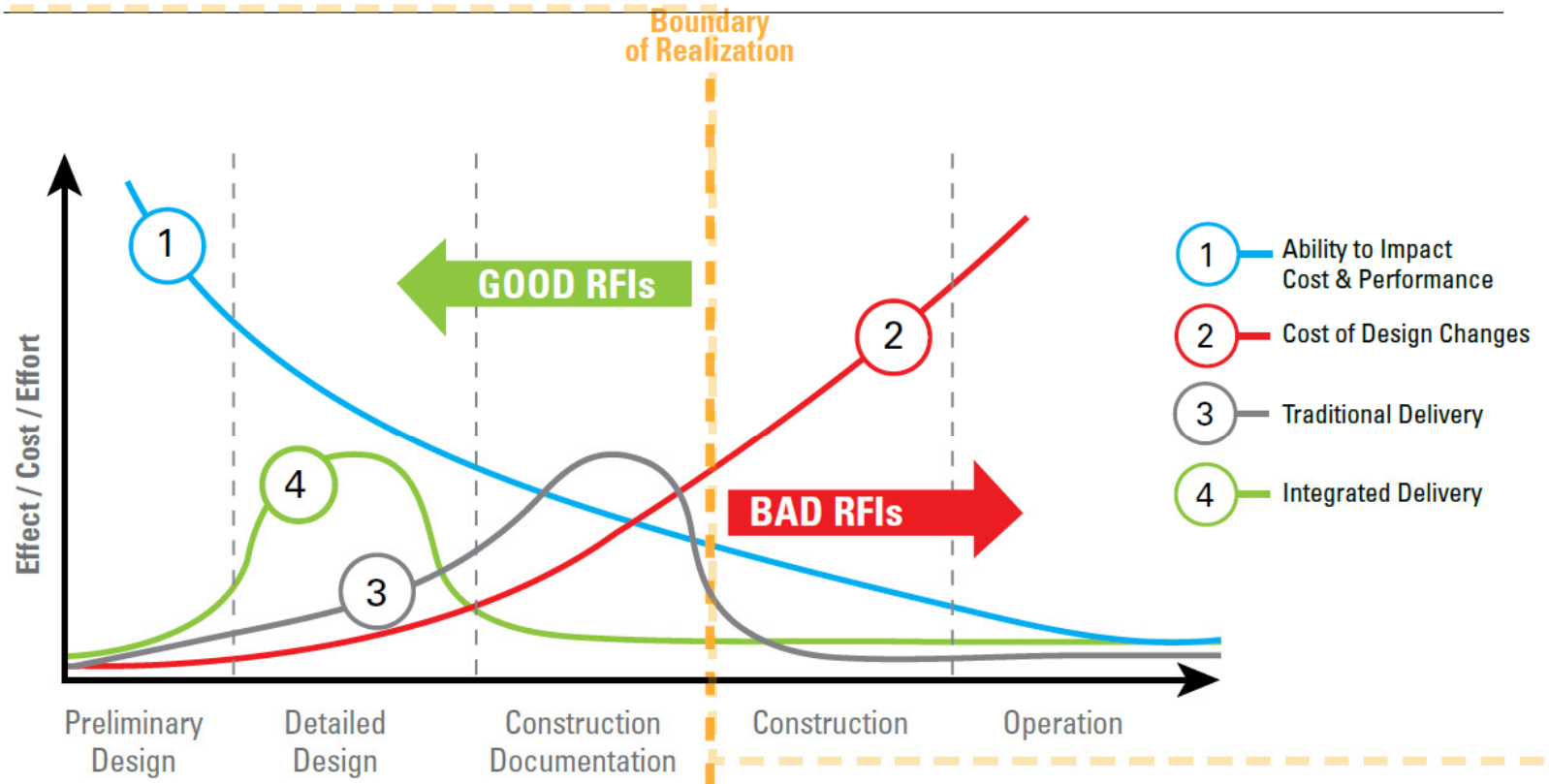
Models that Count – Why it Matters?

- Build the Building Twice
 - Digital – cost nothing to fix
 - Physical – where it counts



Make BIM Count Where it Matters

The MacLeamy Curve



Trade Models that Count – What Counts?

- UMSTEM



Questions?



ITCON WILL RETURN IN

2023 CHICAGO, IL
AUGUST 22-24
FAIRMONT MILLENNIUM PARK

