A Coming Convergence?



About the speakers

Martha Hollowell

Learning Content Developer

ASCENT – Center for Technical Knowledge

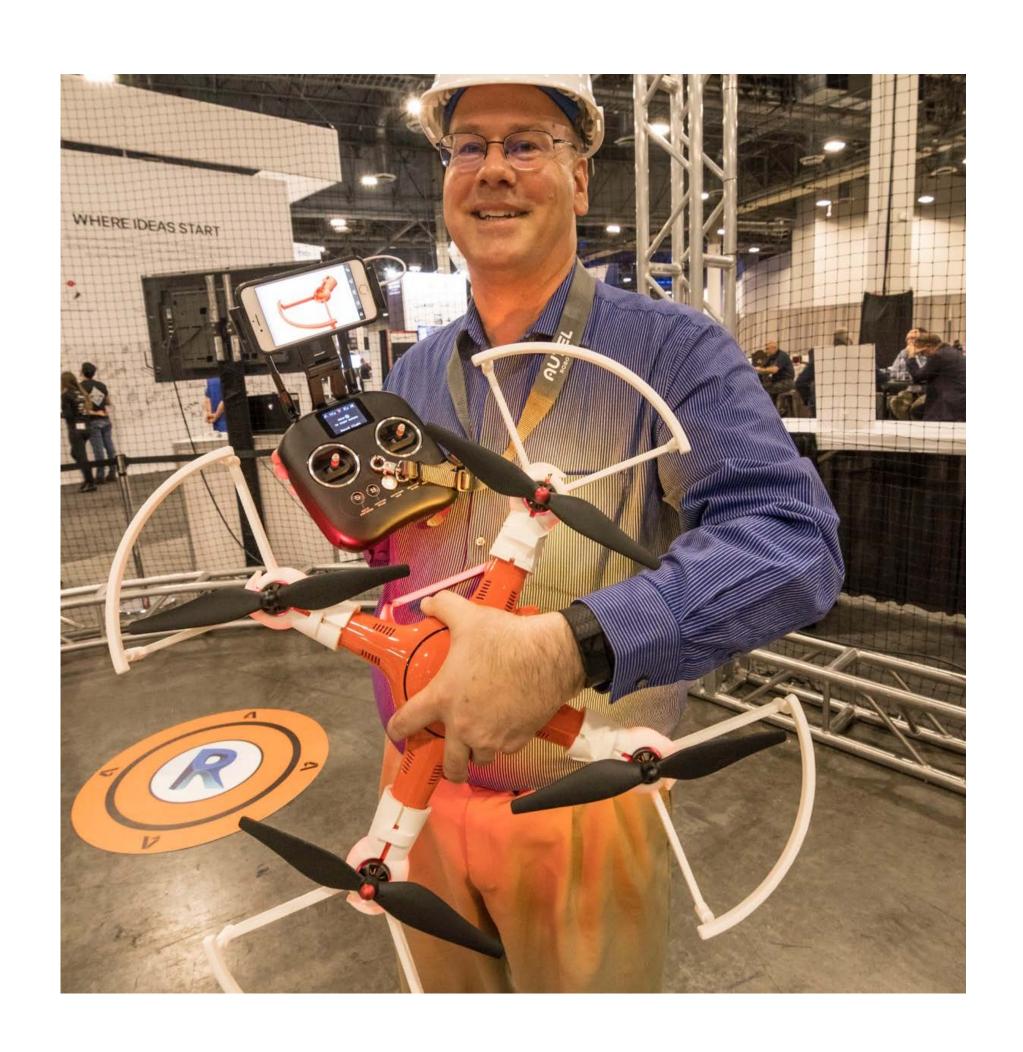


About the speakers

Veredith Keller

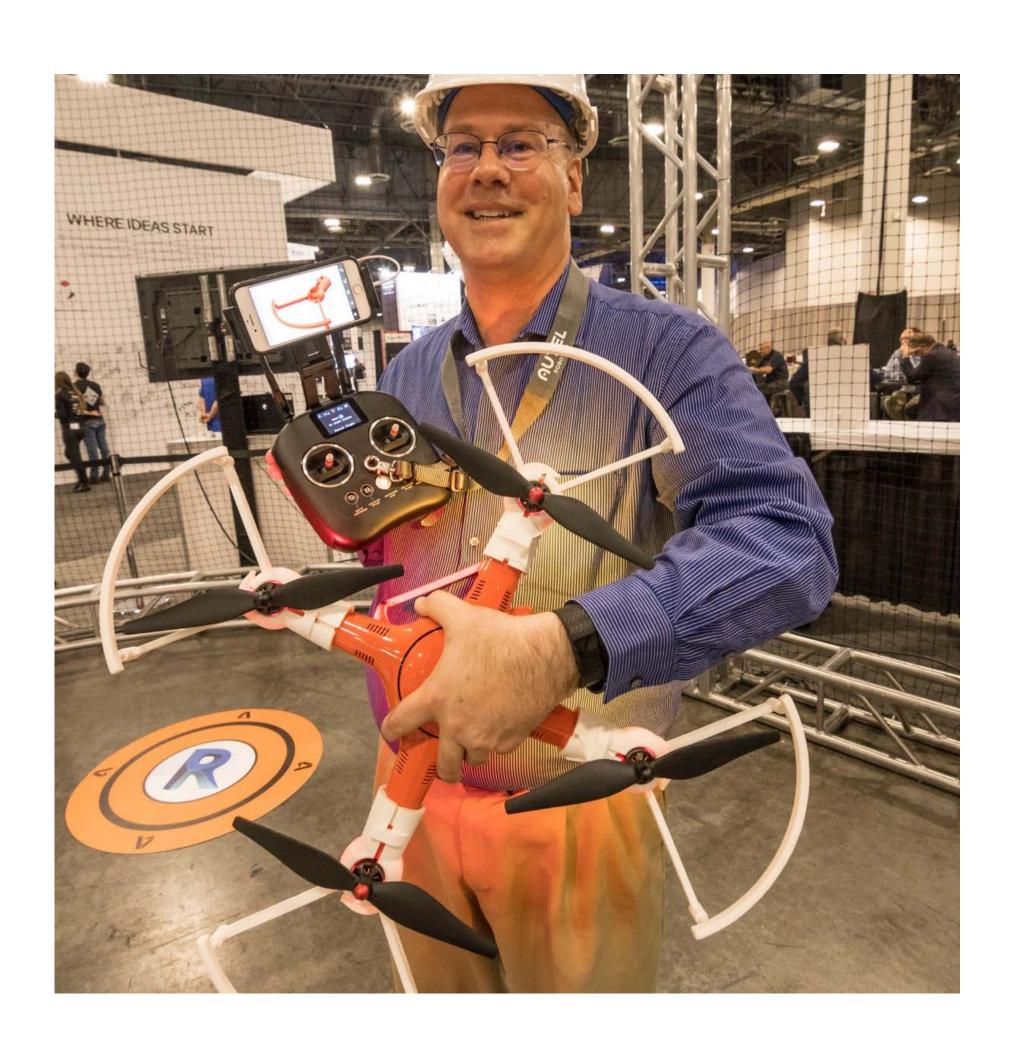
Senior Solutions Consultant

IMAGINIT Technologies



About you

- Construction
- Education
- Fabrication
- Structural Design
- Other



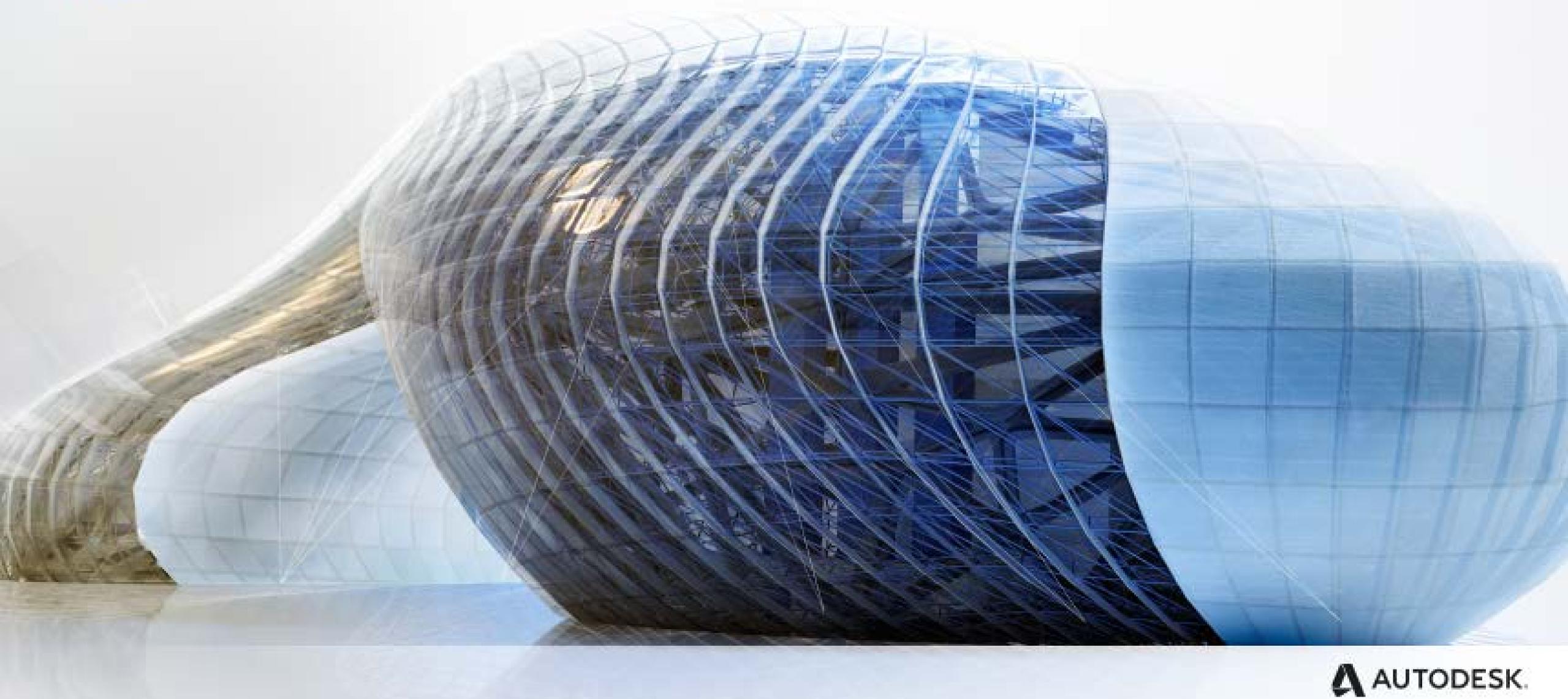
About you

- BIM/CAD/VDC Manager
- Drafter/Designer/Technician
- Educator
- Structural Engineer
- Other





AUTODESK[®] REVIT[®] 2019



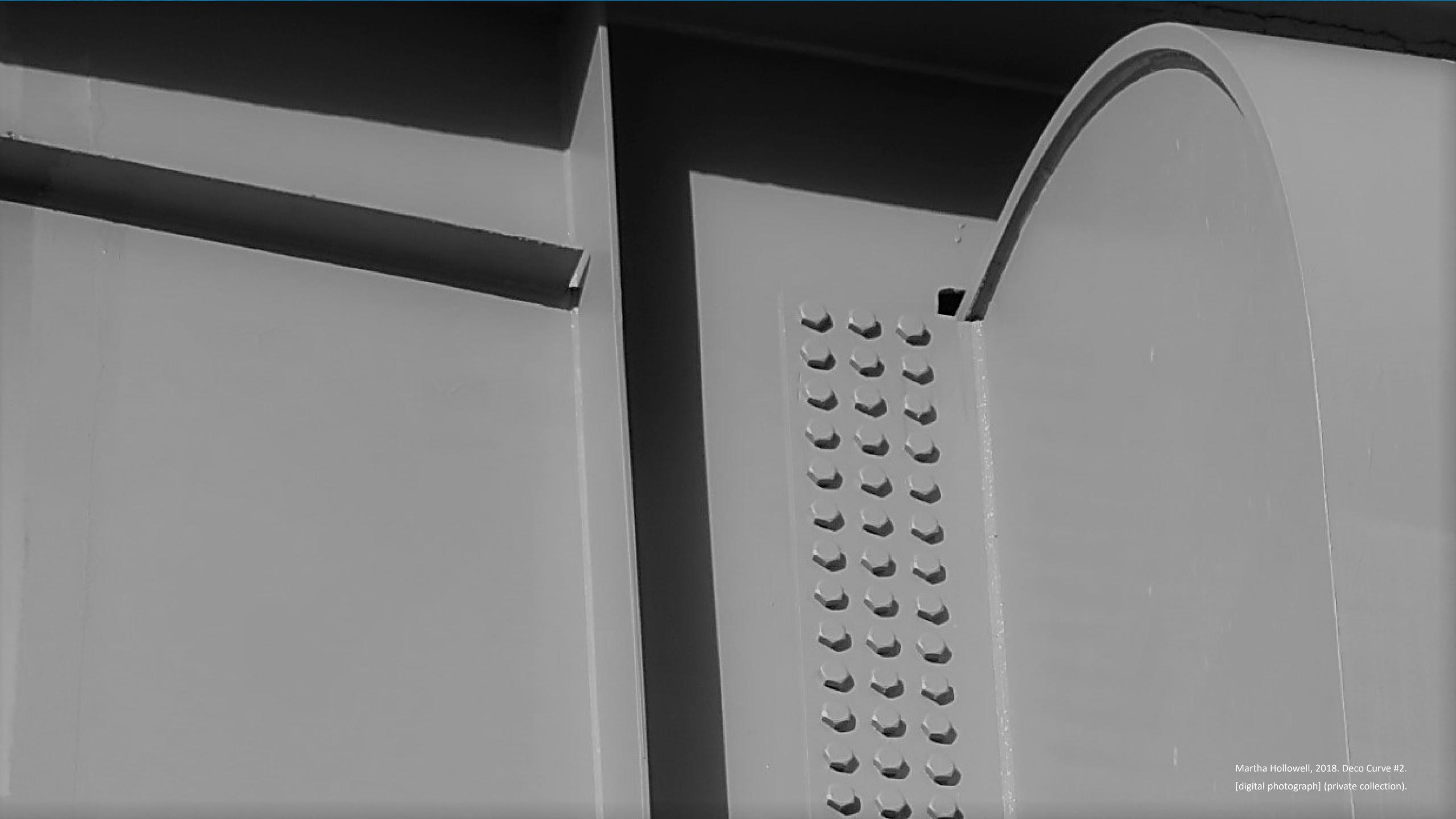


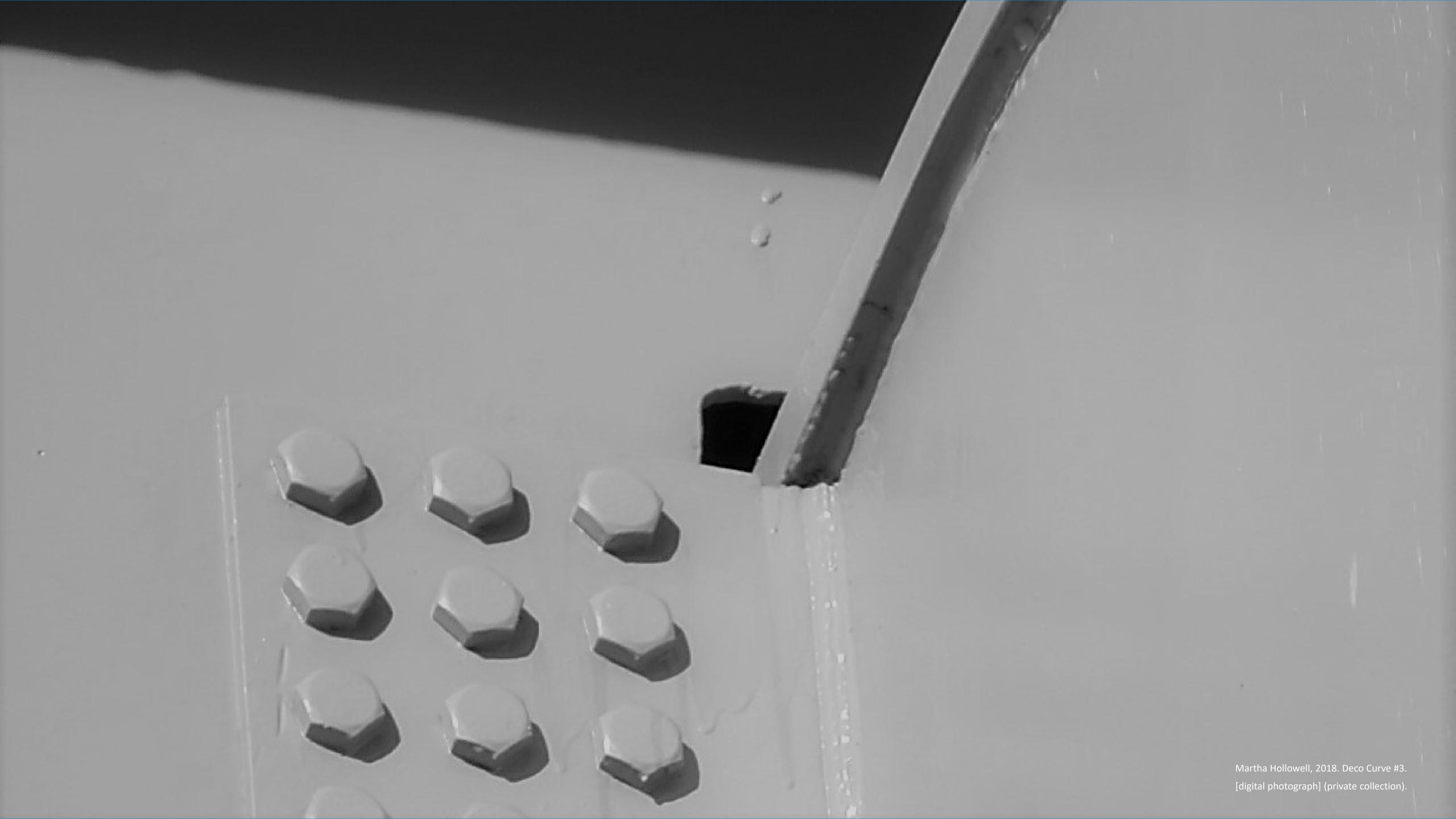
Learning Objectives

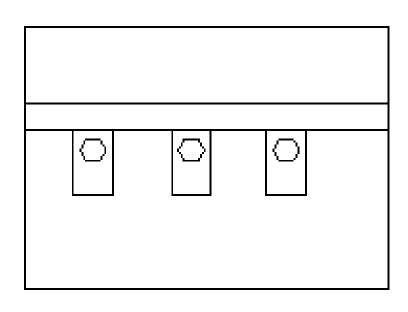
- EXPLAIN THE IMPORTANCE OF LEVEL OF DEVELOPMENT (LOD) FOR STRUCTURAL STEEL DESIGN AND FABRICATION.
- COMPARE HOW COMPLEX STEEL CONNECTIONS, CUSTOM PLATES, BOLTS, AND WELDS ARE CREATED IN REVIT AND ADVANCE STEEL.
- UNDERSTAND THE EXTENT TO WHICH CONSTRUCTION AND FABRICATION DOCUMENTS ARE CREATED IN REVIT AND ADVANCE STEEL.
- DEVELOP A COMPLETE DESIGN TO FABRICATION WORKFLOW USING THE INTEROPERABILITY FEATURES OF REVIT AND ADVANCE STEEL.

Level of Development (LOD) Explain the importance of level of development (LOD) for structural steel design and fabrication. Martha Hollowell, 2018. Deco Curve #1.

[digital photograph] (private collection).



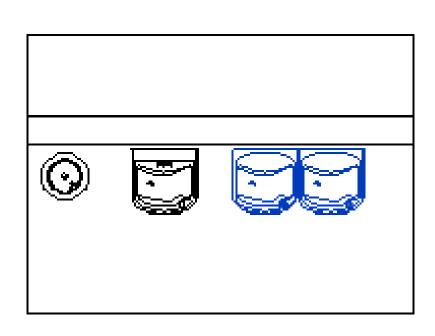




1/4" = 1'-0"

Plumbing Fixture Schedule						
Count	Family and Type	Manufacturer	Cost	Comments		
3	Drinking Fountain-2D: Drinking Fountain-2D					

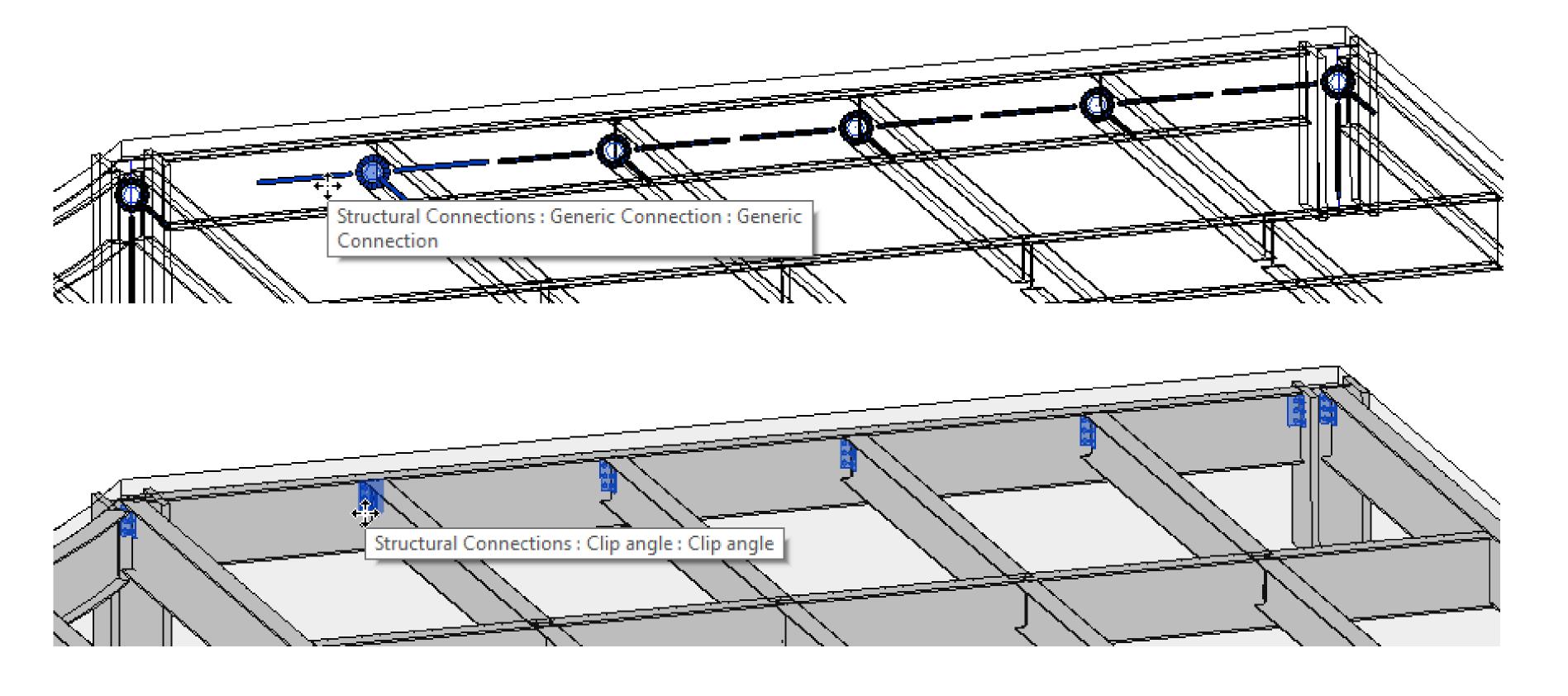




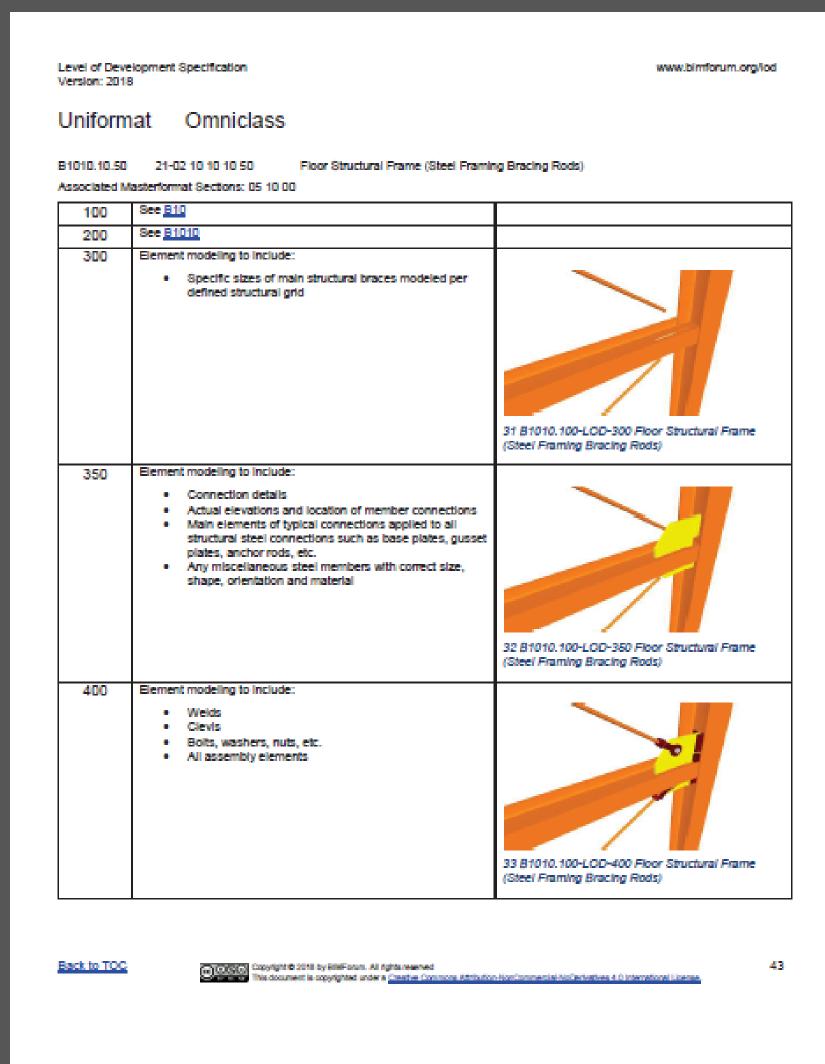
1 Water Fountains
1/4" = 1'-0"

Plumbing Fixture Schedule						
Count	Family and Type	Manufacturer	Cost	Comments		
1	4400FRK: LK4400FRK	Elkay	425.00			
1	equip-water-cooler-elkay-enhanced Izs8ws: LZS8WSLP	Elkay	567.00			
1	equip-water-cooler-elkay-ez-ada-bileve I: EZ STL8*C	Elkay	322.00			

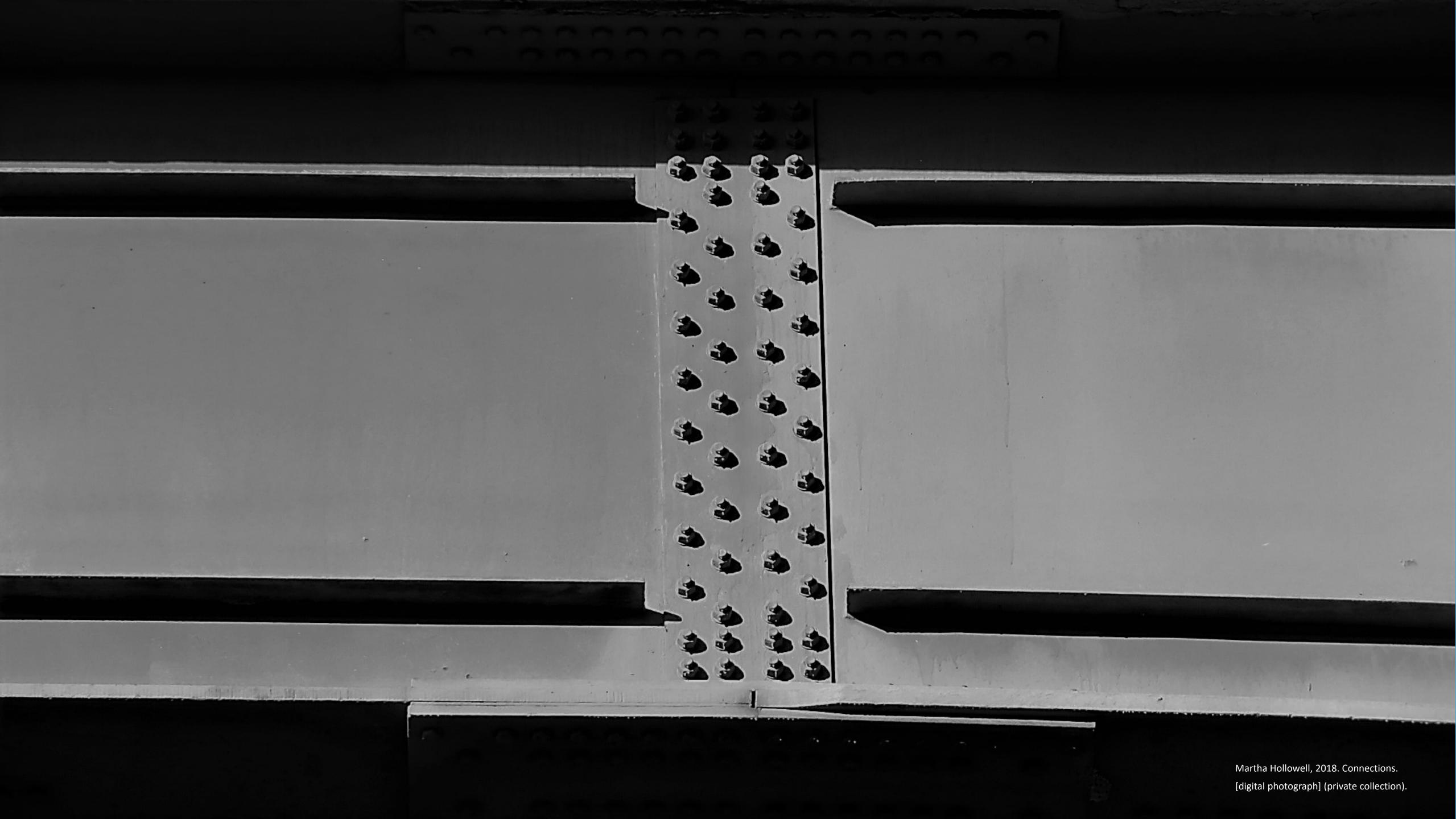
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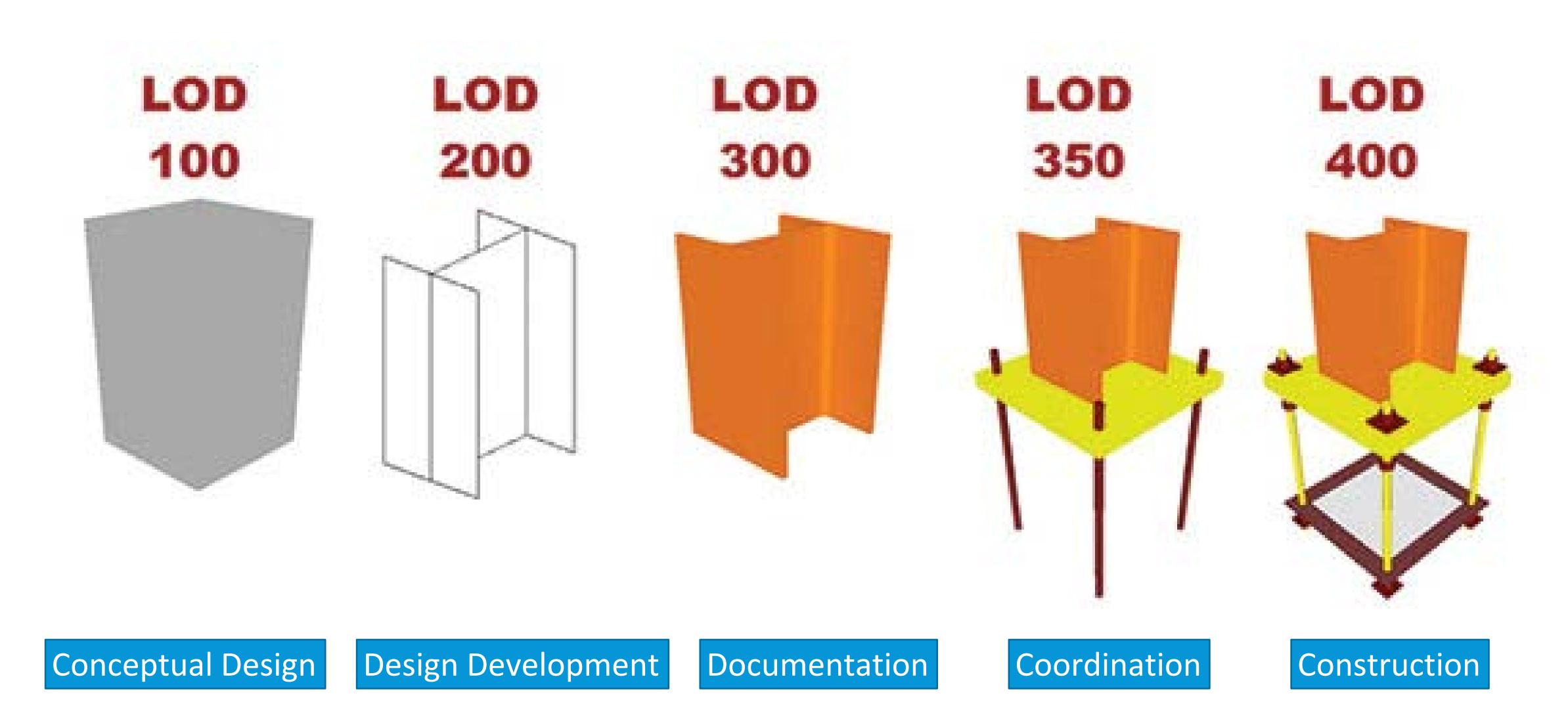






BIMFORUM Level of Development Specification





Level of Development



Level of Development Specification Version: 2018

www.bimforum.org/lod

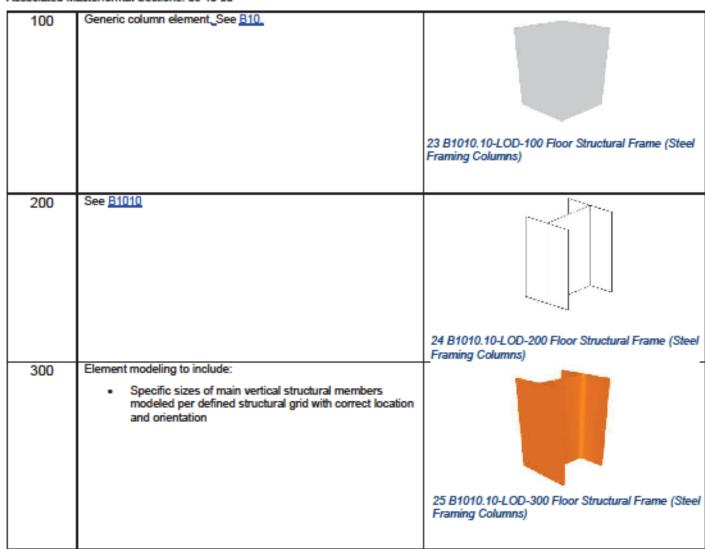
Uniformat Omniclass

400	Element modeling to include:	
	Waterproofing Coursing Reinforcing Grout	

B1010.10.30 21-02 10 10 10 30

Floor Structural Frame (Steel Framing Columns)

Associated Masterformat Sections: 05 10 00



Back to TOC

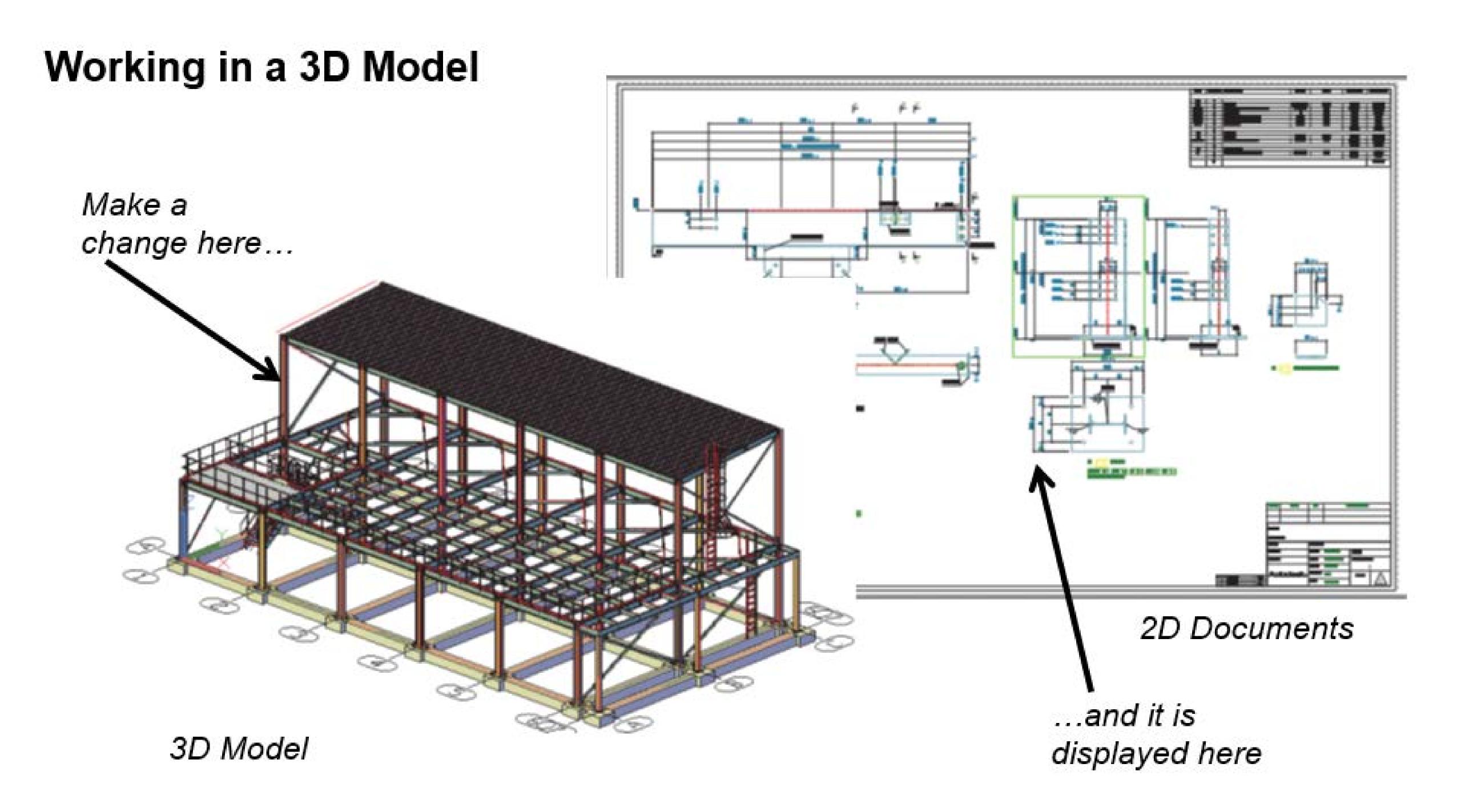


Level of Development Specification

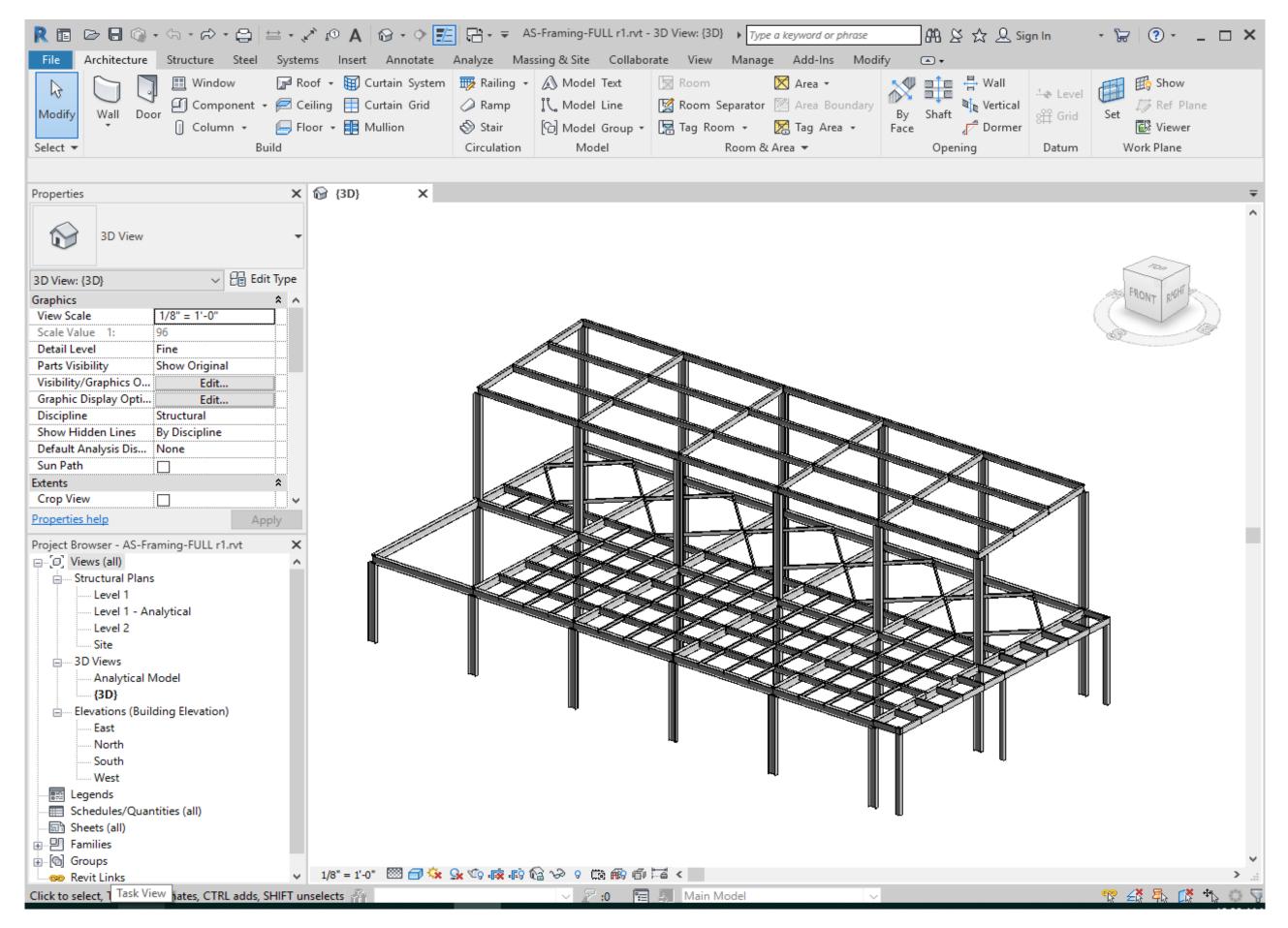


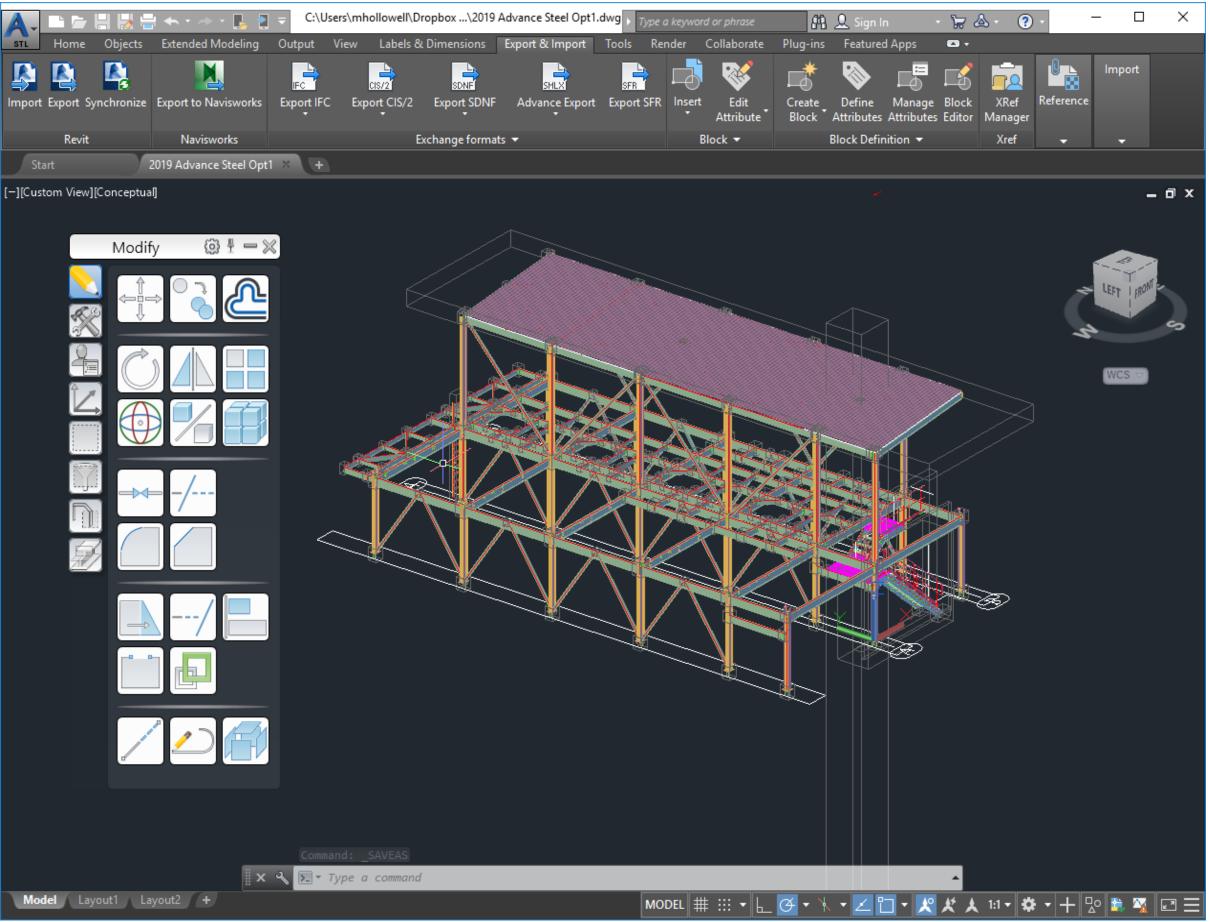
LOD - Revit and Advance Steel





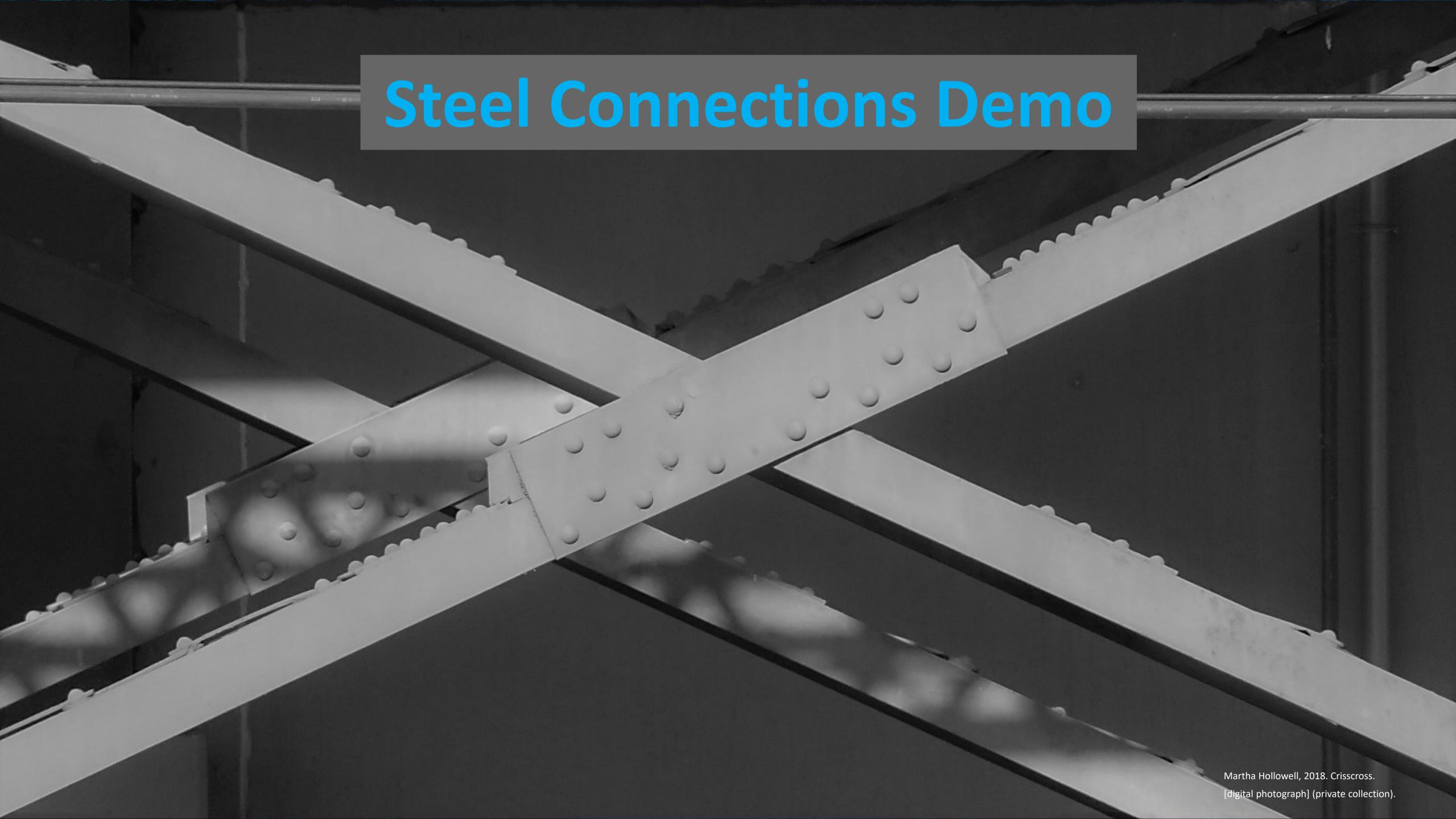
Platform Comparison





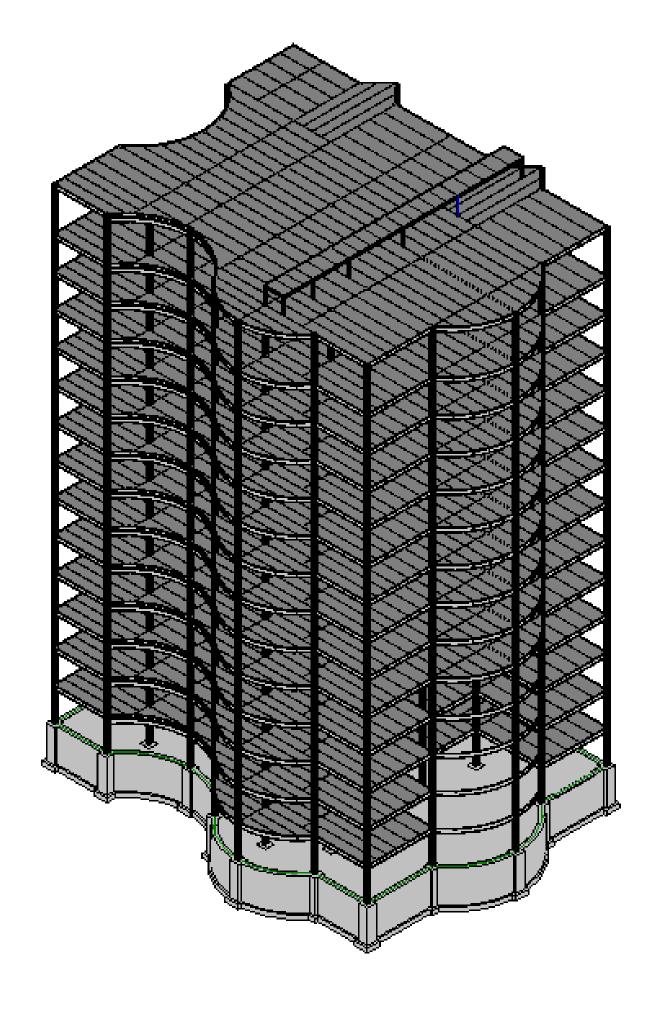
Autodesk Revit

Advance Steel

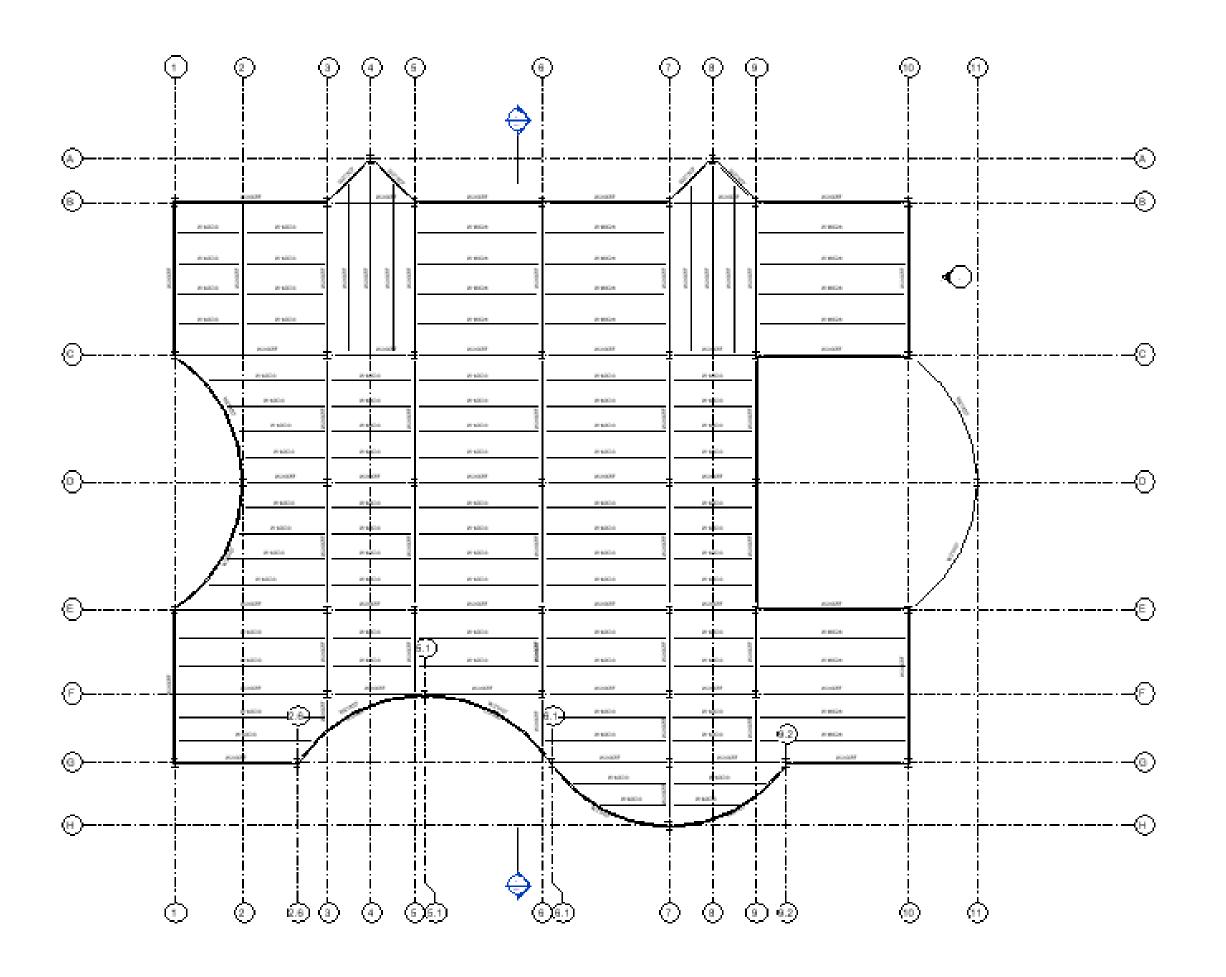




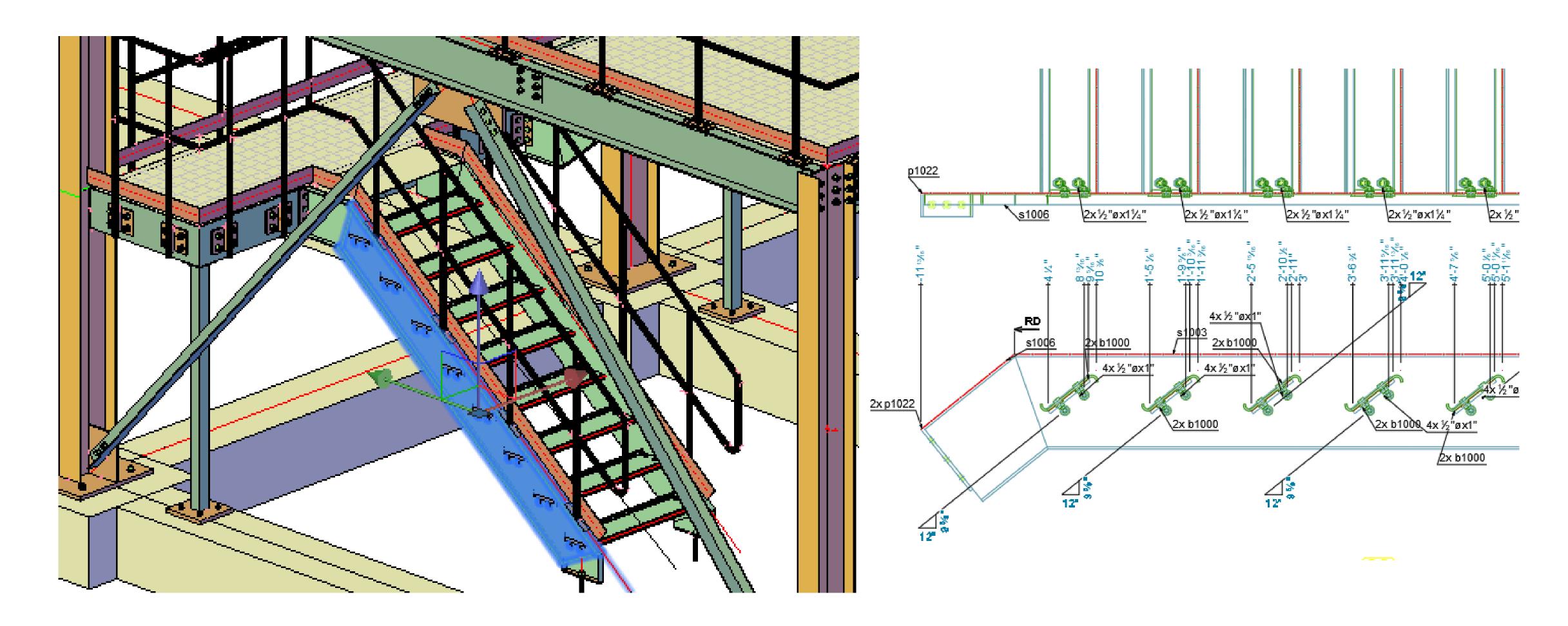
Design...



Autodesk Revit

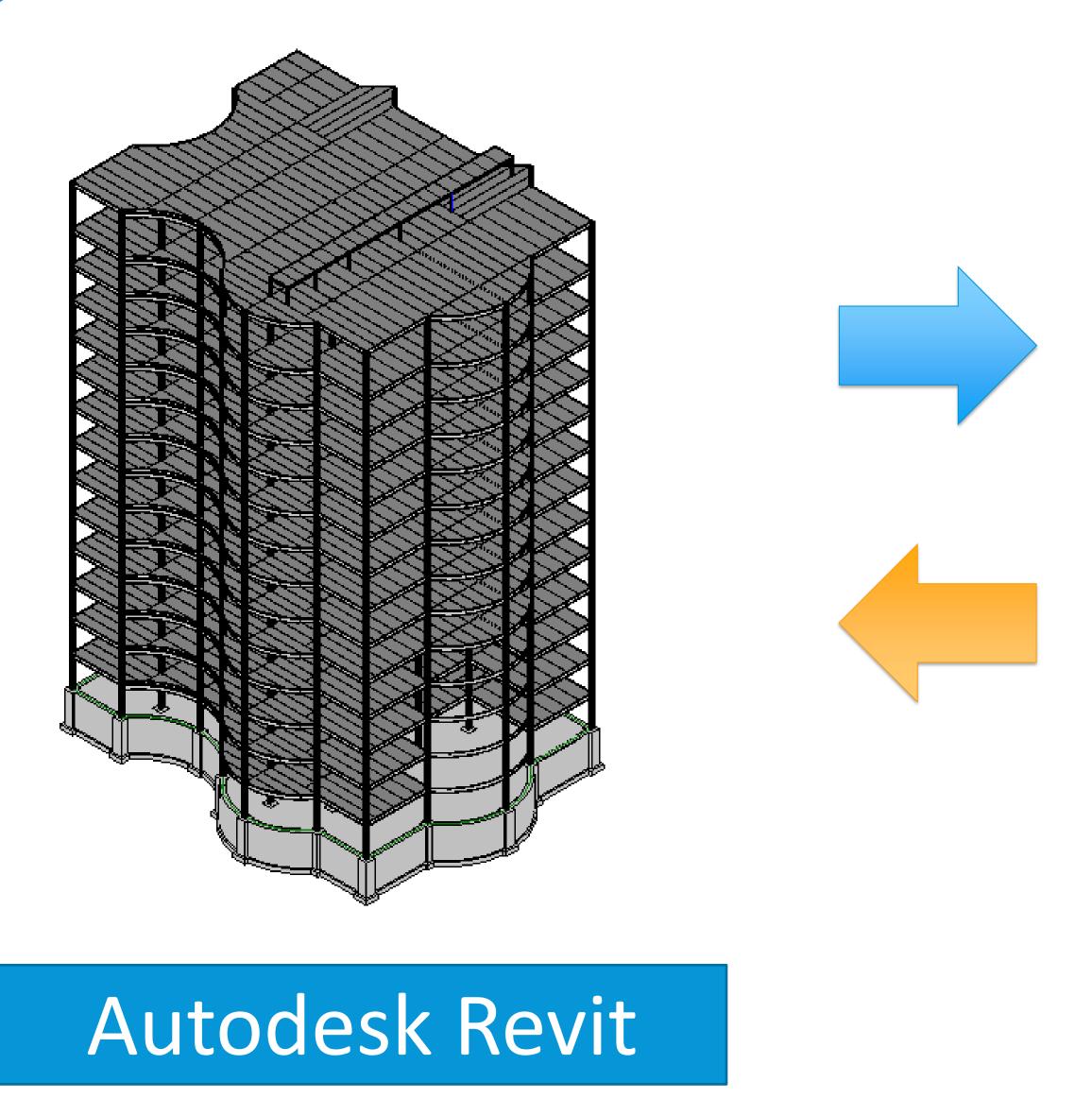


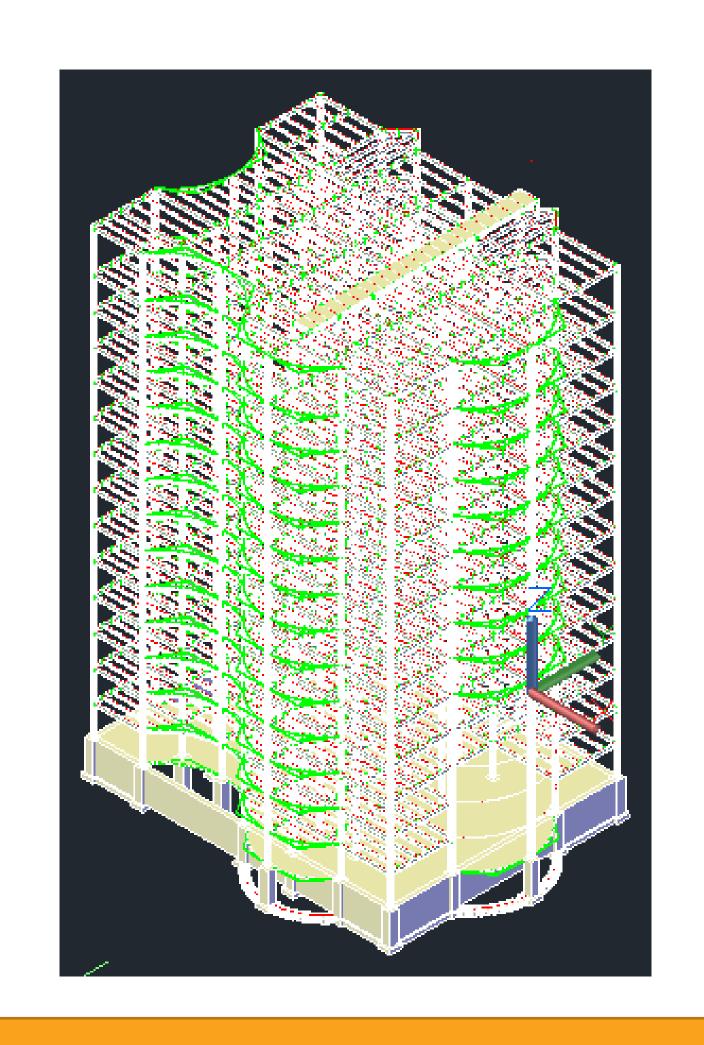
...to Fabrication



Advance Steel

Design to Fabrication Workflow Demo





Advance Steel

ettettette Conclusion ((((

Learning Objectives

- ▼ EXPLAIN THE IMPORTANCE OF LEVEL OF DETAIL/DEVELOPMENT (LOD) FOR STRUCTURAL STEEL DESIGN AND FABRICATION.
- ✓ COMPARE HOW COMPLEX STEEL CONNECTIONS, CUSTOM PLATES, BOLTS, AND WELDS ARE CREATED IN REVIT AND ADVANCE STEEL.
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- DEVELOP A COMPLETE DESIGN TO FABRICATION WORKFLOW USING THE INTEROPERABILITY FEATURES OF REVIT AND ADVANCE STEEL.

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