

# SWINERTON

MASS TIMBER



## PROJECT EXPERIENCE

*Disclaimer: This presentation was developed by a third party and is not funded by WoodWorks or the Softwood Lumber Board.*



## First Tech Federal Credit Union Hillsboro, OR

### OUR ROLE

Construction Manager / General Contractor  
Self-Perform Mass Timber & Concrete

### STRUCTURE

156,000 square feet | 5 levels

Construction Type III-A

Glulam post and beam frame with CLT floor and roof diaphragm

Lateral System | Steel BRBF

Typical Grid | 12'x30'

### HIGHLIGHTS

Largest CLT structure in the US by square footage

Completed June 2018 | Four months faster than conventional construction

Construction cost | 4% savings over conventional construction

VD & C: structure (mass timber, concrete, steel), MEPF system, facade, drywall

Design-Build MEPF

### TEAM

Owner | First Tech Federal Credit Union

Architect | HACKER

Structural Engineer | Kramer Gehlen & Associates

Timber Engineering | Equilibrium Consulting





First Tech Federal Credit Union  
Hillsboro, OR





## Viega U.S. Headquarters

Broomfield, CO

### OUR ROLE

Construction Manager / General Contractor  
Self-Perform Mass Timber

### STRUCTURE

52,000-square-foot headquarters building  
24,000-square-foot seminar center  
Construction Type III-B  
Glulam post and beam frame with CLT floor and roof diaphragm  
Lateral System | CLT Core  
Typical Grid | Columns spaced at 30'x37' with purlins

### HIGHLIGHTS

Arched Glulam roof  
Completed January 2019  
Construction cost | \$31 million  
European-supplied mass timber

### TEAM

Architect | OZ Architecture  
Structural Engineer | Martin/Martin  
Timber Engineering | Fast+Epp





Viega U.S Headquarters  
Broomfield, CO

# Washington County Event Center

Hillsboro, OR

## OUR ROLE

Construction Manager / General Contractor  
Self-Perform Mass Timber

## STRUCTURE

89,000 square feet  
Construction Type III-B  
Steel structure with Glulam beams, CLT roof  
Lateral system | Steel BRBF

## HIGHLIGHTS

Expected Completion: April 2020  
Construction Cost | \$39,500,000

## TEAM

Client | Washington County  
Architect | LRS Architects  
Structural Engineer | Nishkian Dean







## University of Oregon

Knight Campus for Accelerating Scientific Impact  
Eugene, OR

### OUR ROLE

Mass Timber Specialty Trade Partner

### STRUCTURE

89,000 square feet

Construction Type III-B

Steel structure with Glulam beams, CLT roof

Lateral system | Steel BRBF

### HIGHLIGHTS

Expected Completion: August 2019 (Mass Timber)

### TEAM

Client | University of Oregon

Architect | Bora Architects & Ennead Architects

Structural Engineer | Thornton Tomassetti

General Contractor | Hoffman Construction





## Hillsboro Community Center

Hillsboro, OR

### OUR ROLE

Construction Manager / General Contractor  
Self-Perform Mass Timber & Concrete

### STRUCTURE

51,000 square feet  
Construction Type III-B  
Glulam with CLT floor and roof  
Lateral System | Concrete Shear Walls

### HIGHLIGHTS

18' cantilevers at entry  
91' glulam spans across gymnasium  
Expected Completion: Dec 2020  
Construction Cost | \$27,000,000

### TEAM

Client | City of Hillsboro  
Architect | Opsis Architecture  
Structural Engineer | KPFF Consulting Engineers





## Beaverton Public Safety Center

Beaverton, OR

### OUR ROLE

Furnish & Install Mass Timber

### STRUCTURE

80,100 square feet | 3 levels

Construction Type V-B

Structural Steel frame, CLT floors and roof diaphragm

Lateral System | Steel BRBF

Typical Grid | 20' x 27'

### TEAM

Owner | City of Beaverton Police Department

Architect | FFA Architecture

Structural Engineer | KPFF Consulting Engineers

General Contractor | SKANSKA

Timber Furnish & Install | Swinerton

## Pier 70 Parcel A

San Francisco, CA

### OUR ROLE

Construction Manager / General Contractor  
Self-Perform Mass Timber

### STRUCTURE

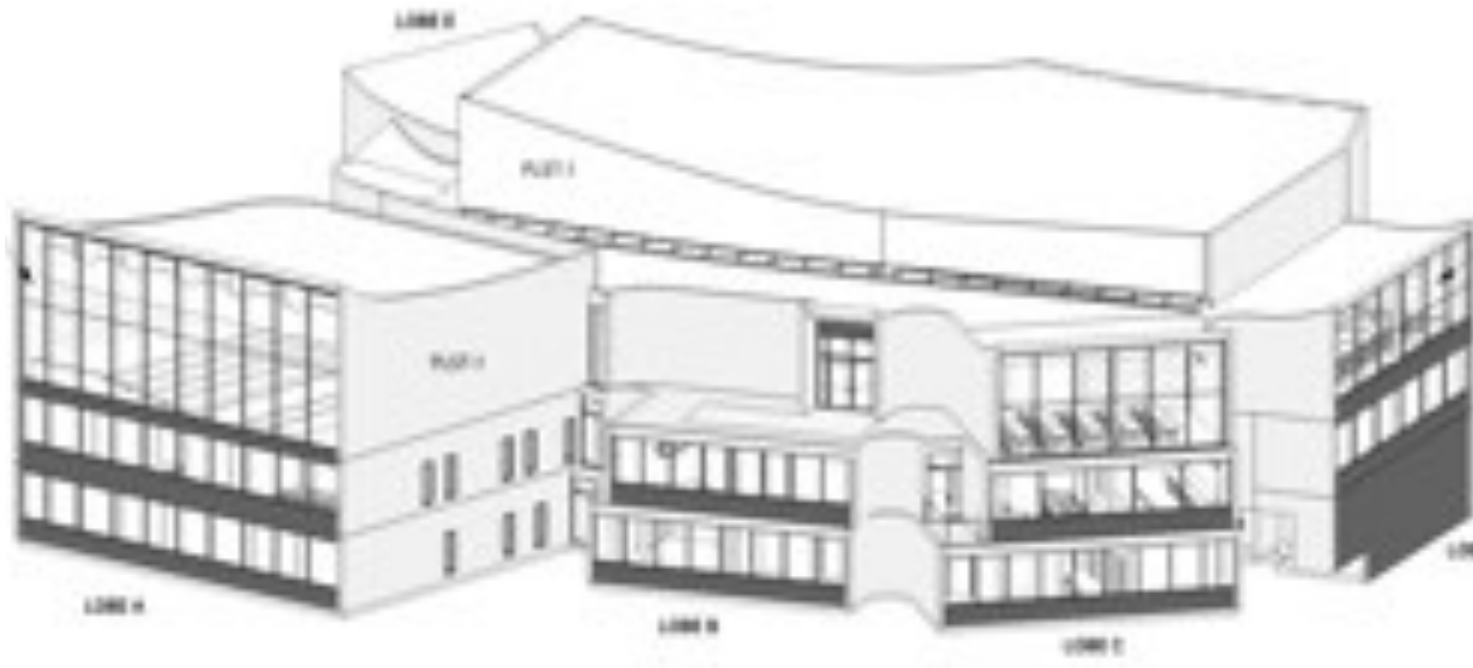
280,000 GSF | 6 stories  
Construction Type III-A  
Glulam post and beam frame, CLT floor diaphragm  
Lateral System | Concrete  
Typical Grid | 15' x 30'

### TEAM

Owner | Brookfield Asset Management  
Architect | HACKER  
Structural Engineer | KPFF Consulting Engineers







## Kresge College Academic Building

Santa Cruz, CA

### OUR ROLE

Construction Manager / General Contractor  
Self-Perform Mass Timber & Concrete

### STRUCTURE

15,887 GSF

Construction Type IV-HT

Glulam post and beam frame with CLT roof diaphragm  
Lateral System | CLT Shear Walls

### HIGHLIGHTS

Construction Schedule | In Preconstruction

Construction Cost | \$39 million

Curved timber roof structure

### TEAM

Owner | University of California Santa Cruz

Architect | Studio Gang with TEF Design

Structural Engineer | Magnussen Klemencic Associates



## Northstar Performing Arts Center Truckee, CA

### OUR ROLE

Construction Manager / General Contractor  
Self-Perform Mass Timber

### TEAM

Client | Tahoe Region Arts Foundation  
Architect | williams + paddon  
Structural Engineer | Holmes Structures





Northstar Performing Art Center  
Truckee, CA



Northstar Performing Art Center  
Truckee, CA





## PDX TCORE – Timber Roof

Portland, OR

### OUR ROLE

Mass Timber Subcontractor

### TEAM

Client | Port of Portland

Architect | ZGF

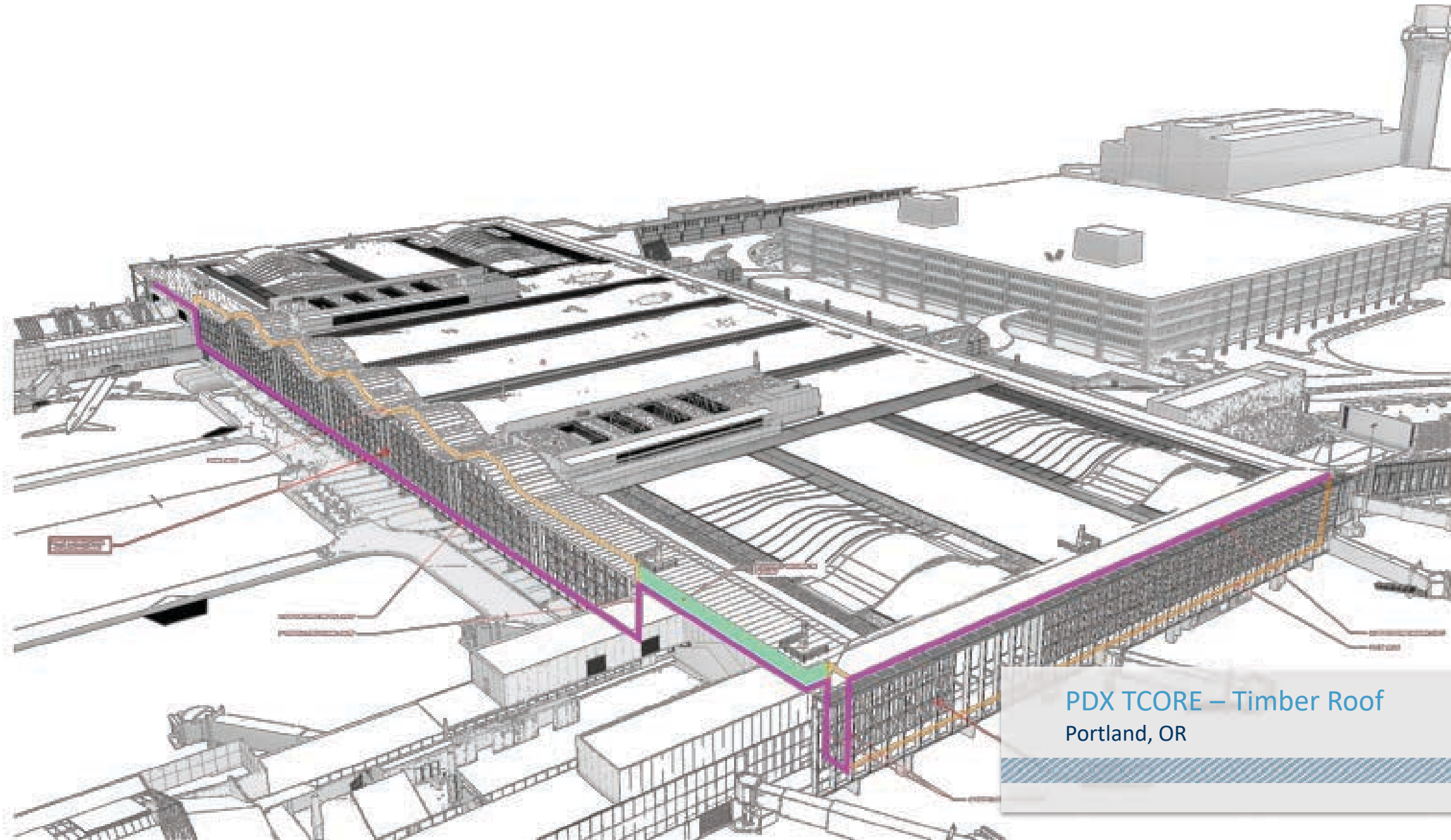
Structural Engineer | KPFF



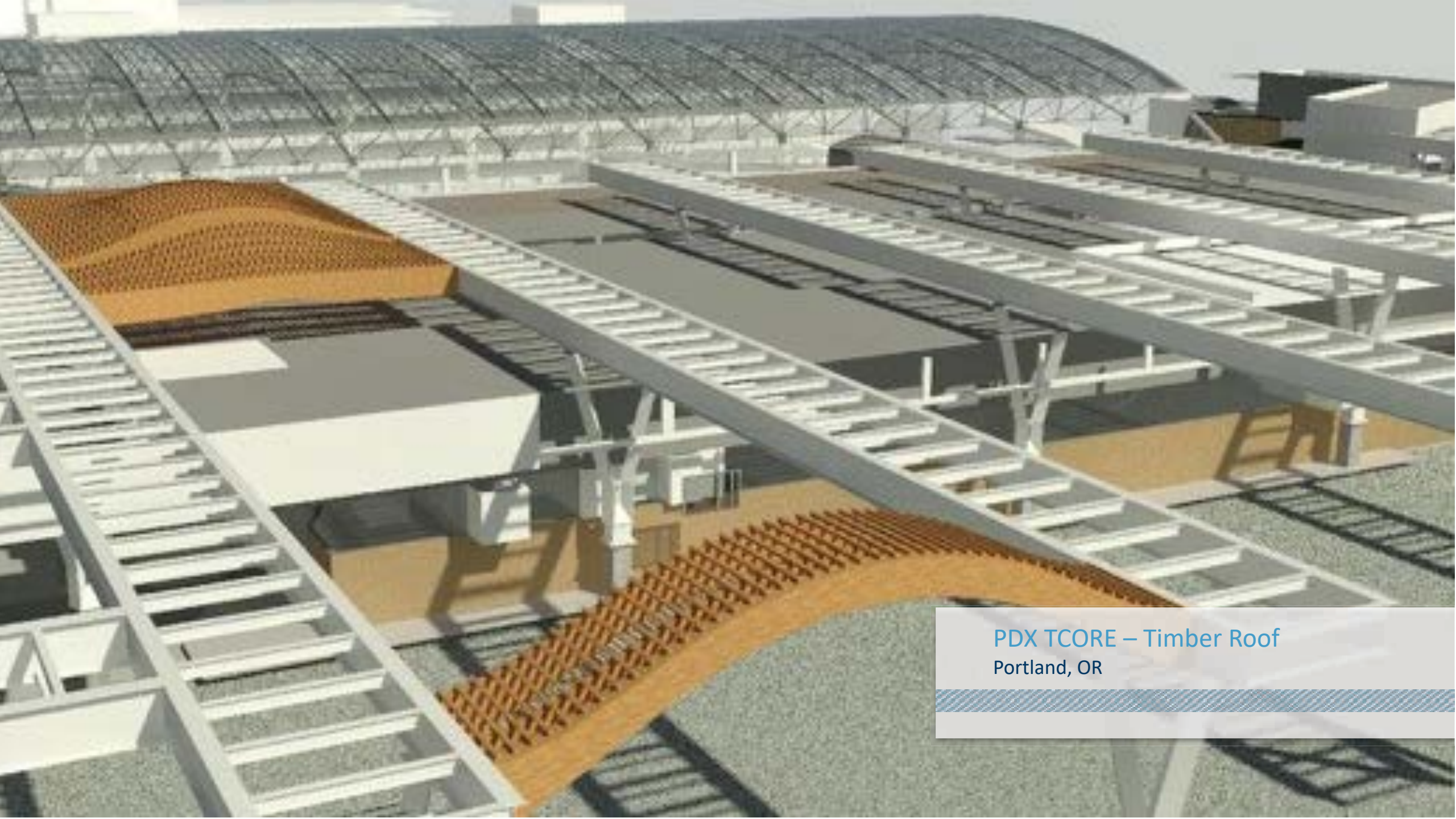


PDX TCORE – Timber Roof  
Portland, OR





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Portland, OR



PDX TCORE – Timber Roof  
Portland, OR





## Ascent

Milwaukee, WI

### OUR ROLE

Mass Timber Subcontractor

### STRUCTURE

250,000 GSF | 16 stories

Glulam post and beam frame, CLT floor diaphragms  
Lateral System | Concrete core

### HIGHLIGHTS

Tallest Timber Tower Proposed in US

### TEAM

Architect | Korb and Associates

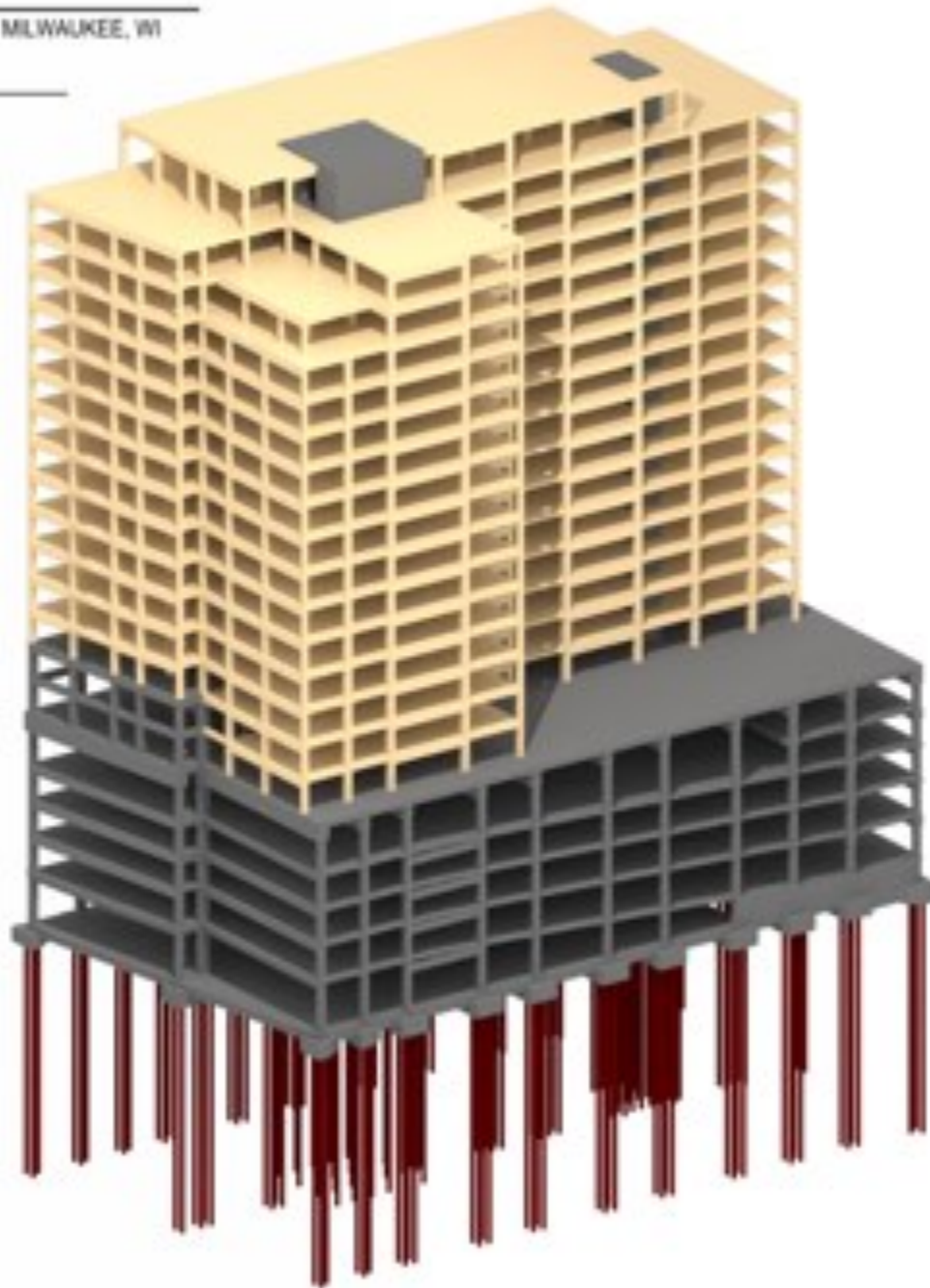
Construction Manager | Catalyst Construction

Structural Engineer | Thorton Tomasetti

MEP Engineer | DLR Group



MILWAUKEE, WI



Ascent  
Milwaukee, WI





Ascent  
Milwaukee, WI

# THANK YOU!



Christopher Evans

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