

The image shows the interior of a modern mass timber building. The ceiling is made of exposed wooden planks, and the walls and columns are also made of wood. The floor is a light-colored, polished concrete. The space is bright and open, with large windows on the left side. The overall atmosphere is warm and natural.

# CAN A NAKED CEILING IMPROVE BIOPHILIA?

*Making Mass Timber Buildings Even Better*



## The Integrated Flooring Solution

**Global Integrated Flooring Solutions®** are custom tailored to meet and adapt to your changing needs – combining industry-leading and field-proven raised access flooring with underfloor air distribution (UFAD), plug & play power systems, hidden WiFi and unique finishes that create an environment that is beautiful, highly adaptable and optimized for your client. We take unsightly ducts, piping, and cabling from overhead where it detracts from the beauty of the wood structure and relocate nearly everything beneath a raised floor.

# The Fully Integrated Solution

## Meet the “IFS Building”



# The Global IFS Fully Integrated Solution

## What is Biophilia?

**bio·phil·ia | \ , bī-ō- 'fi-lē-ə**

*“the rich, natural pleasure that comes from being surrounded by living organisms”*

*“the instinctive connection and attraction people have to natural materials, and many designers cite the warm and natural attributes of wood as a reason for its use”*



# The Global IFS Fully Integrated Solution

## Is more Biophilia better?

**YES!**

**Definitely.**

*Biophilic design aims to increase the connectivity to the “feel” of nature (sound, smell, texture, landscape, and view) via different design elements.*

*Biophilic design can reduce stress, enhance creativity and clarity of thought, improve our well-being, and accelerate healing. All of these factors influence productivity in the workspace, which suggest that incorporating this sort of design is less of a luxury and more of a sound investment in the people that are your business.*

*In short: Biophilic design leads to improvements in productivity and health. Visible wood and exposure to natural light are some of the most readily available biophilic elements easily incorporated into office design. UFAD and the IFS Building design expose the most natural wood, can increase window height providing deeper daylight penetration, and facilitate more open workspaces. An IFS Building does not create biophilia, but it enables a mass timber building to achieve its biophilic potential.*

(Sources: Roger Ulrich 1984 | Bergs, 2002 | Elzeyadi, 2011 | Kahn 2008 | Wold, 2005)

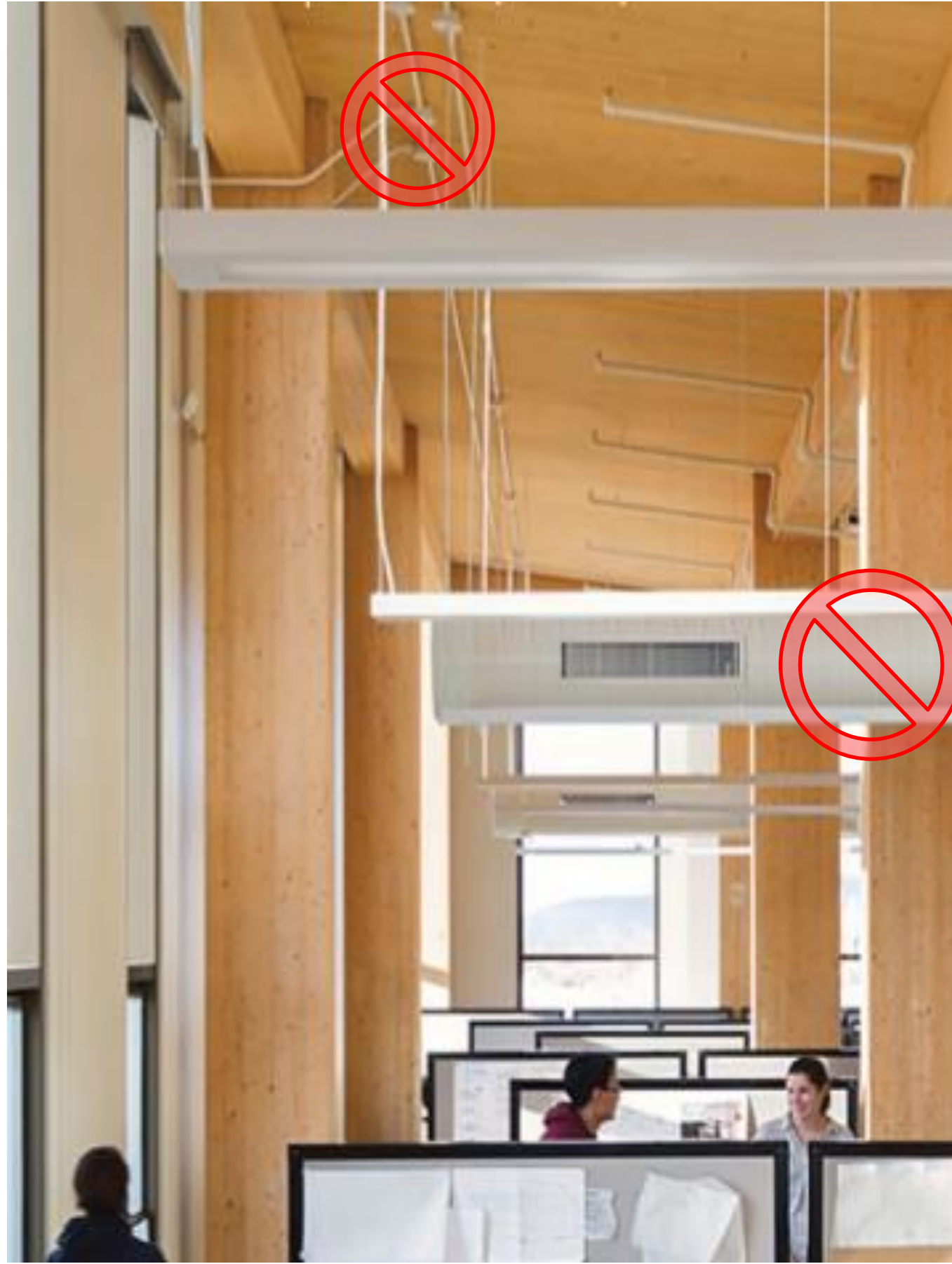
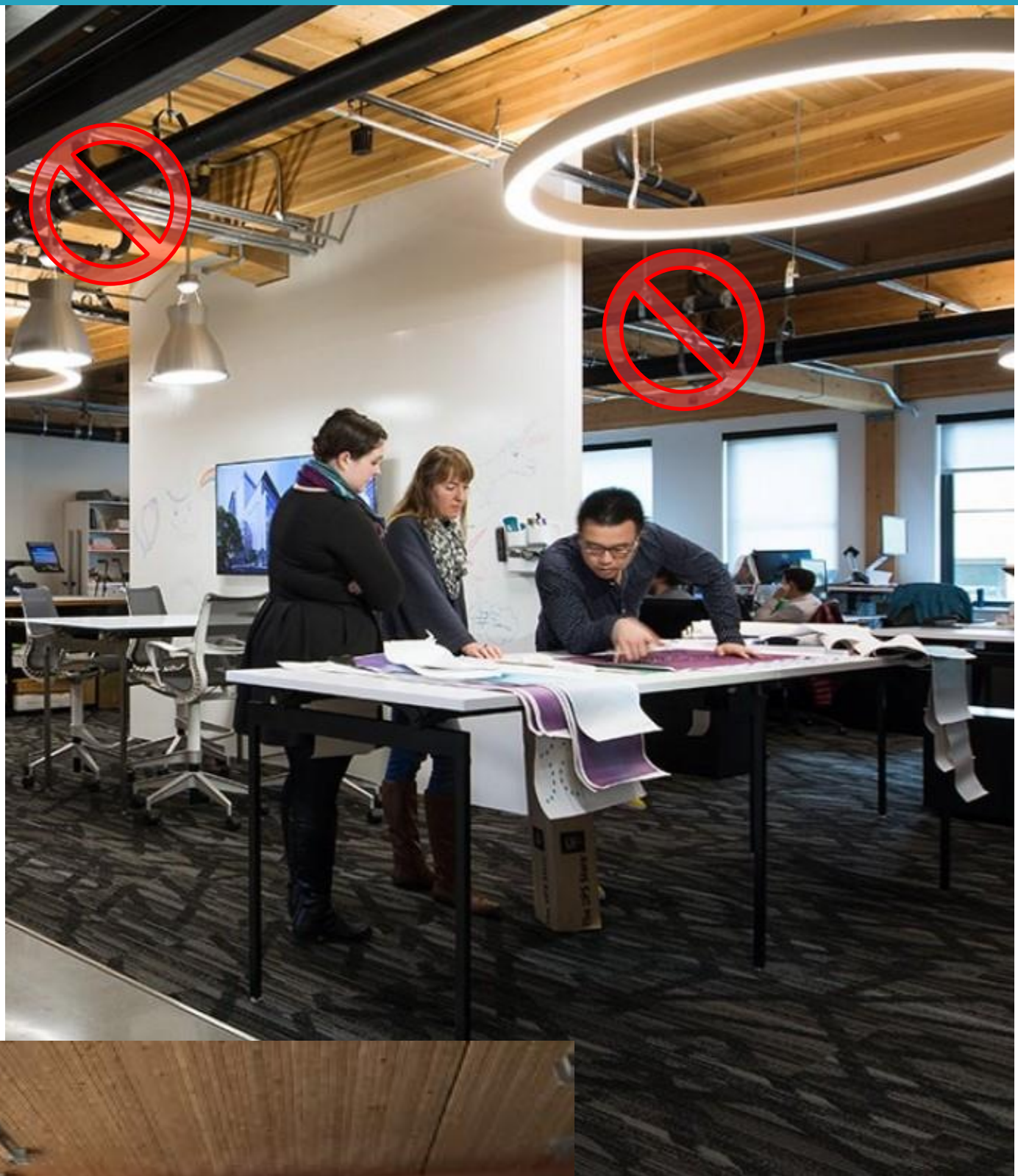


# The Global IFS Fully Integrated Solution

## Declutters the Ceiling & Improves Aesthetics

### Access Floor with Underfloor Air Distribution

- Eliminates overhead ducts
- Can eliminate most overhead conduits
- Can eliminate some overhead sprinkler piping

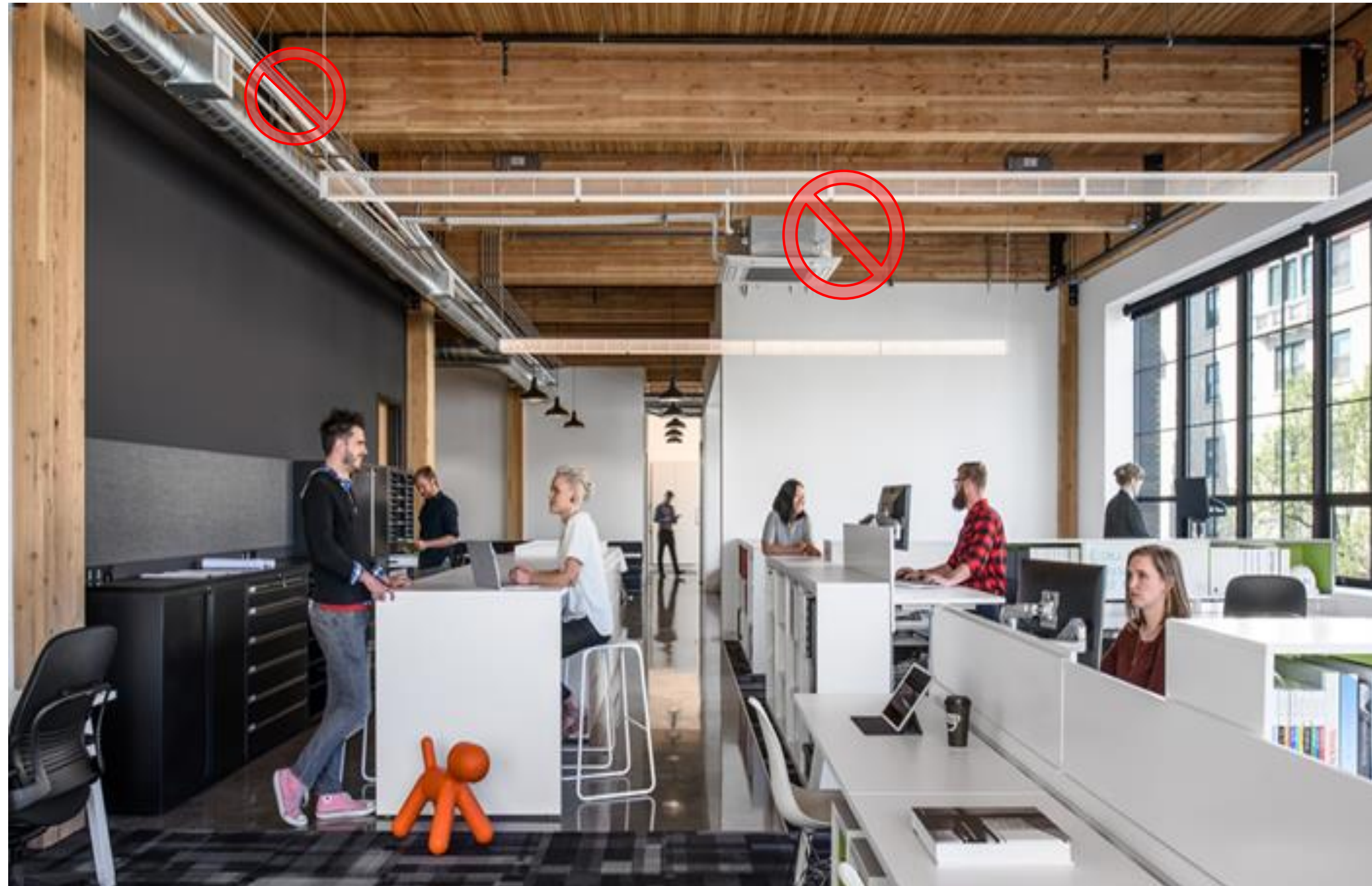


# The Global IFS Fully Integrated Solution

## Declutters the Ceiling & Improves Aesthetics

### Access Floor with Underfloor Air Distribution

- Eliminates VRF/VRV cassettes and piping
- Eliminates overhead cable tray
- Eliminates WiFi antenna and conduits/cabling

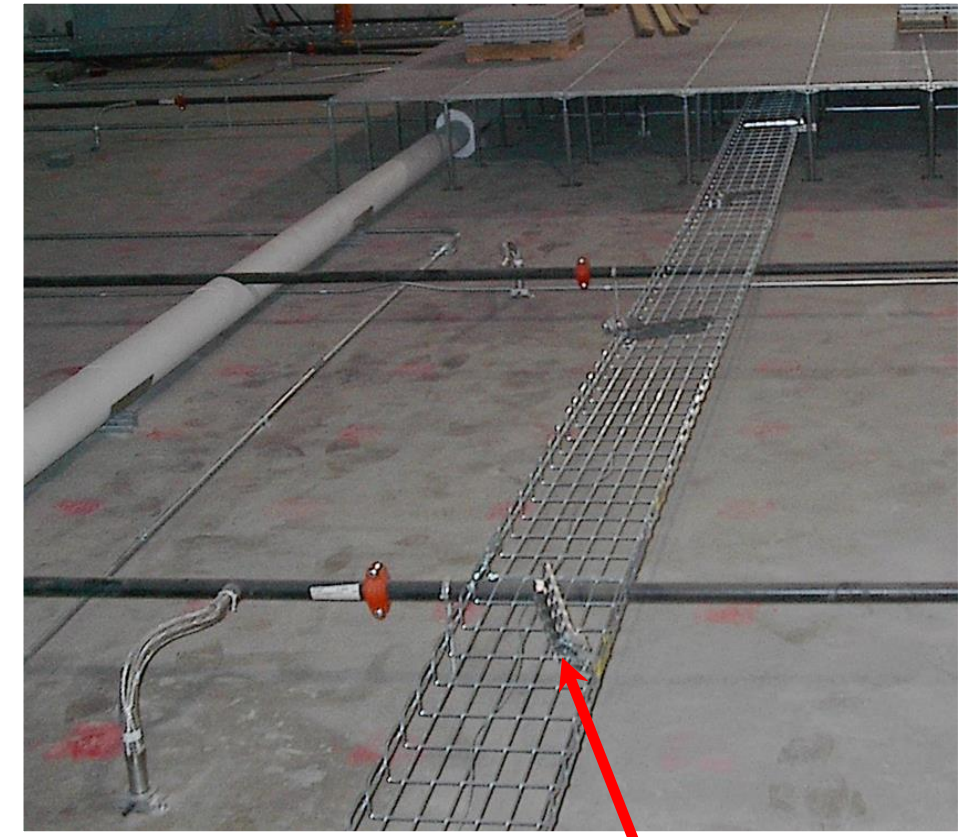
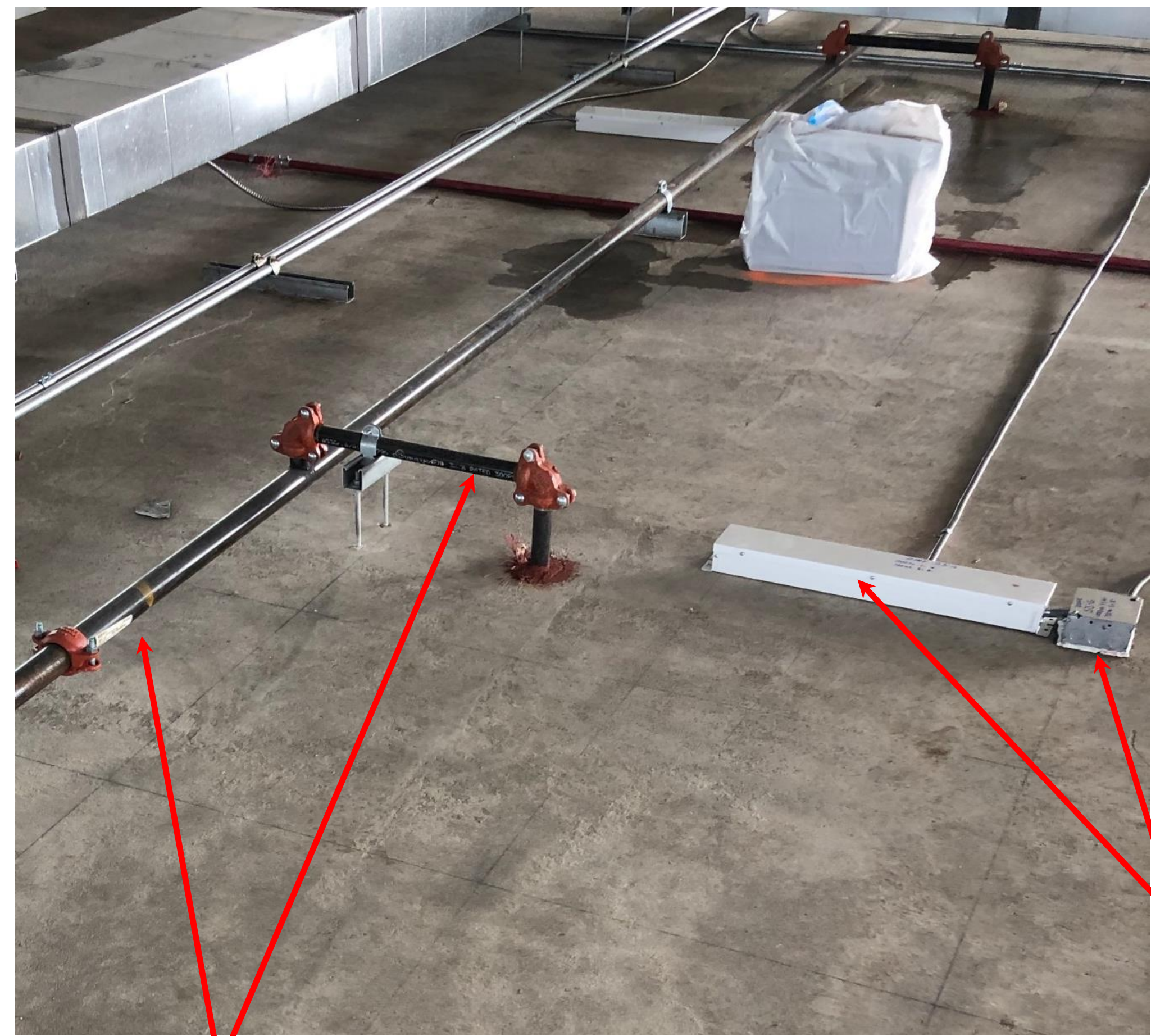


# The Global IFS Fully Integrated Solution

## Declutters the Ceiling & Improves Aesthetics

### Access Floor with Underfloor Air Distribution

- Conduits for lighting and piping for sprinklers can be installed in the underfloor space to service the floor below
- Lighter duty (*cheaper!*) cable trays can be used under the access floor



Sprinkler Piping

Cable Trays

Lighting controller and J-Box

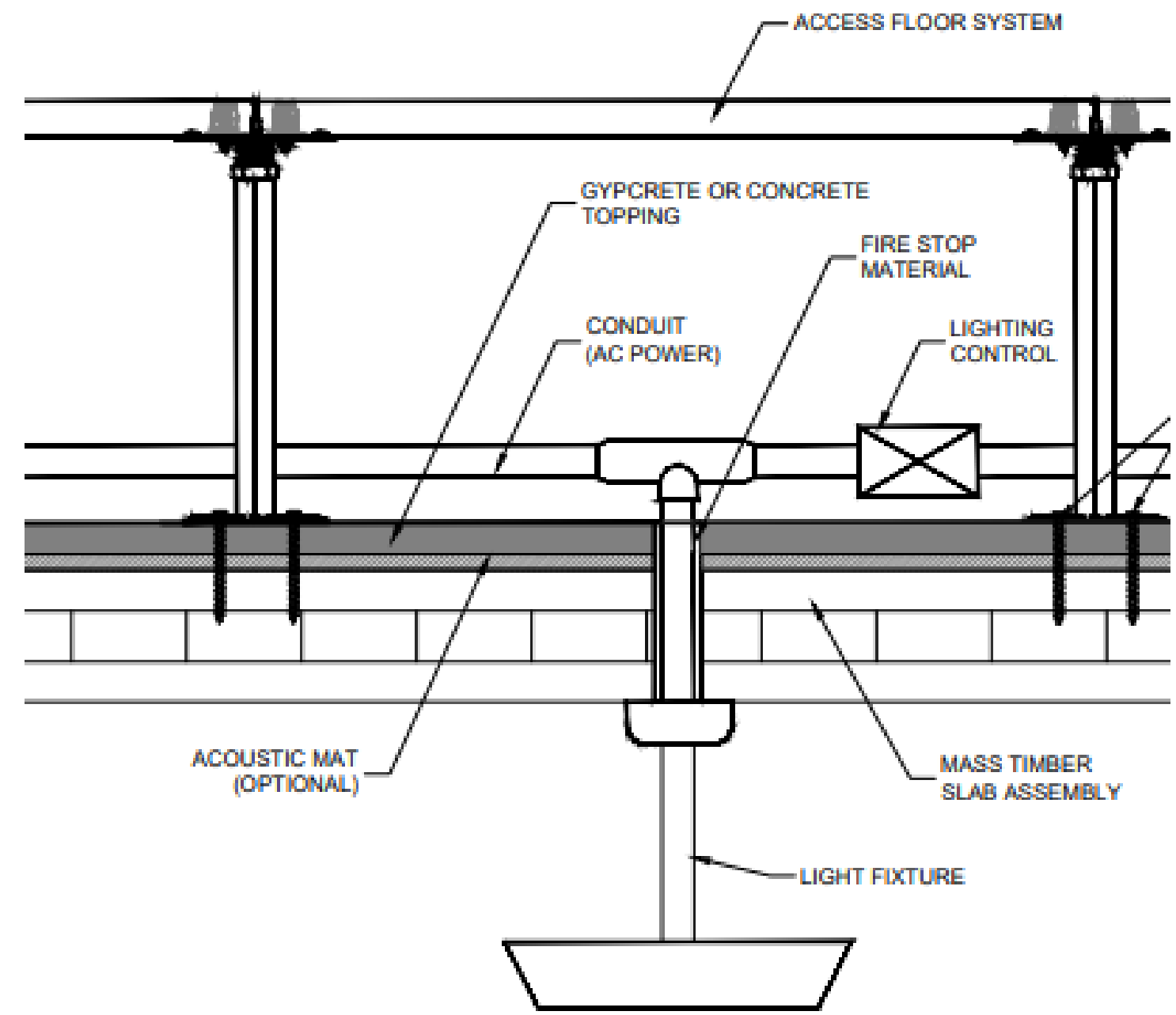
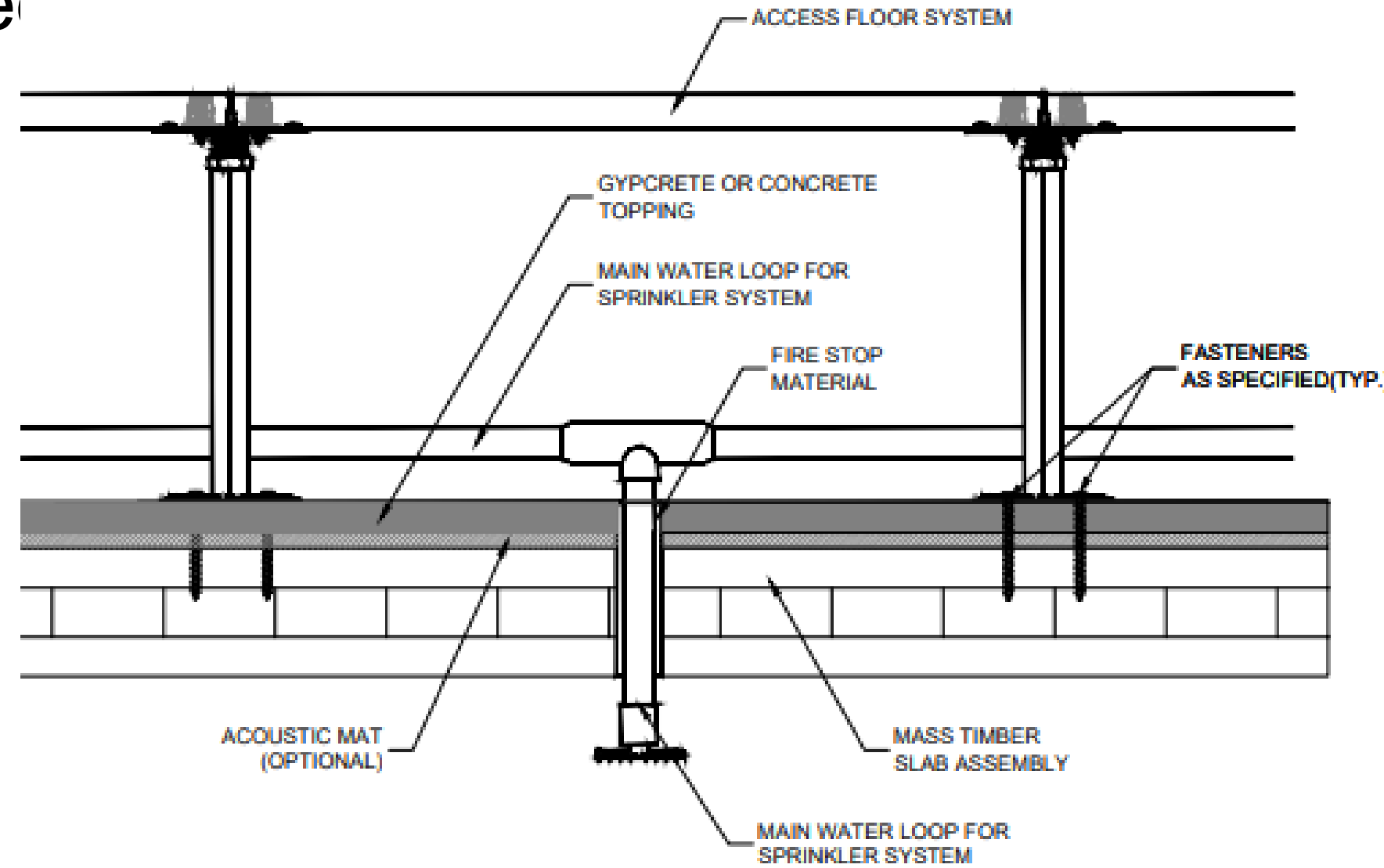


# The Global IFS Fully Integrated Solution

## Declutters the Ceiling & Improves Aesthetics

### Access Floor with Underfloor Air Distribution

- All you'll see above are sprinkler heads and light fixtures
- Cable tray is hidden beneath the raised floor – if it's needed at all!

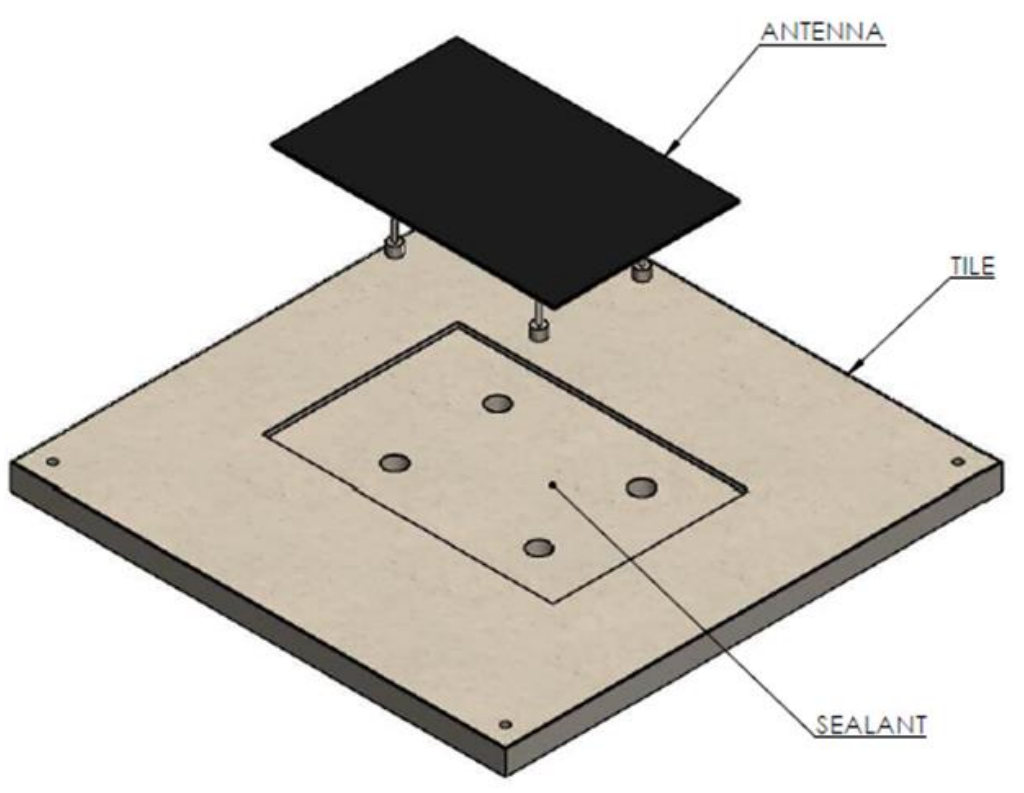


# The Global IFS Fully Integrated Solution

## Declutters the Ceiling & Improves Aesthetics

### Access Floor with Underfloor Air Distribution

- Eliminate ceiling mounted WiFi Antenna and the cabling/conduits



# The Global IFS Fully Integrated Solution

Reveals More of the Wood

Which is More Attractive?

This?



# The Global IFS Fully Integrated Solution

Reveals More of the Wood

Which is More Attractive?

Or This!

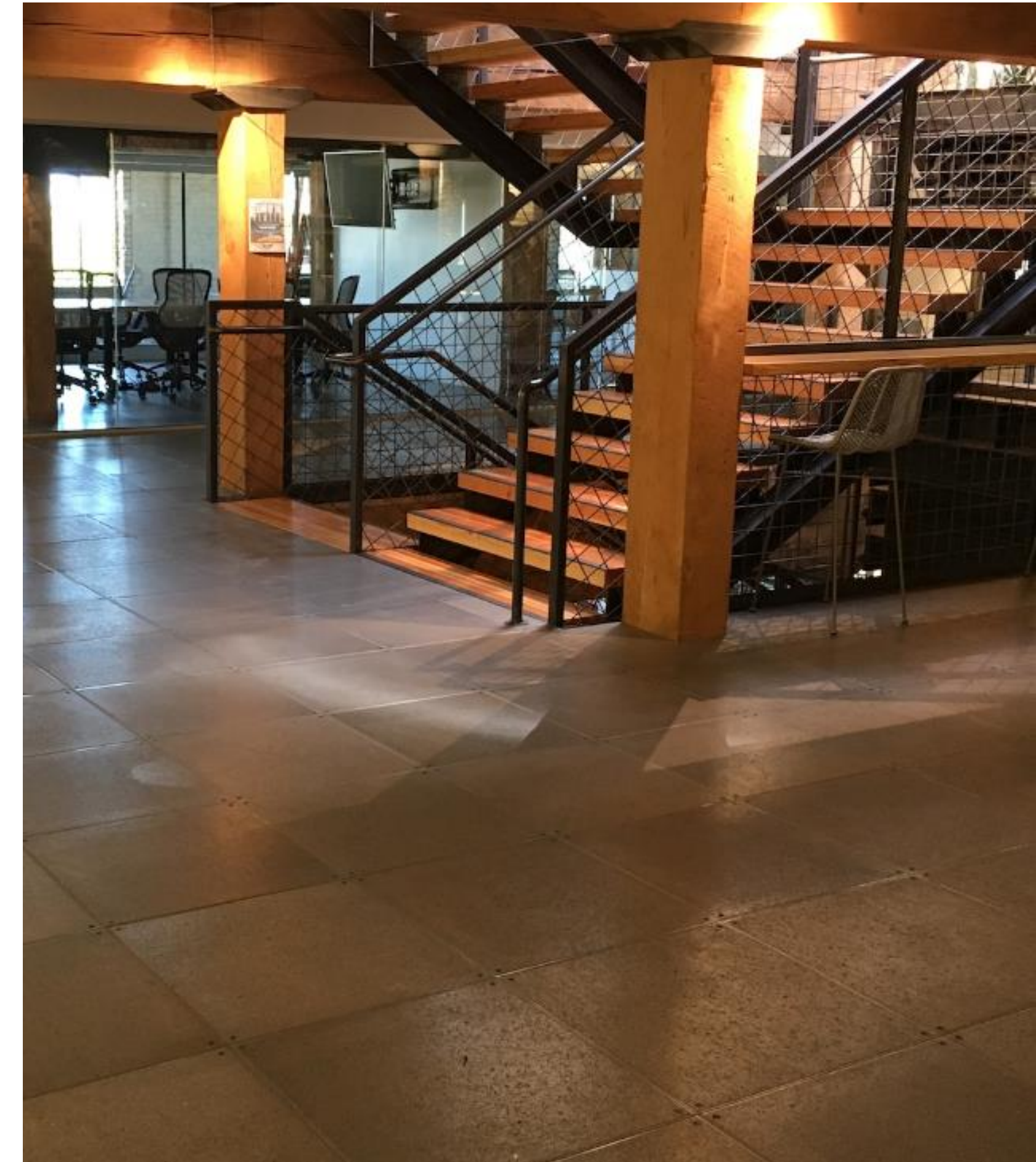


# The Global IFS Fully Integrated Solution

## Reveals More of the Wood

### Now That the Ceiling is Exposed, Look Down!

- Clear sealed, bare TecCrete panels look great!
- A simple, low-VOC sealer applied to TecCrete panels is an attractive, complimentary look



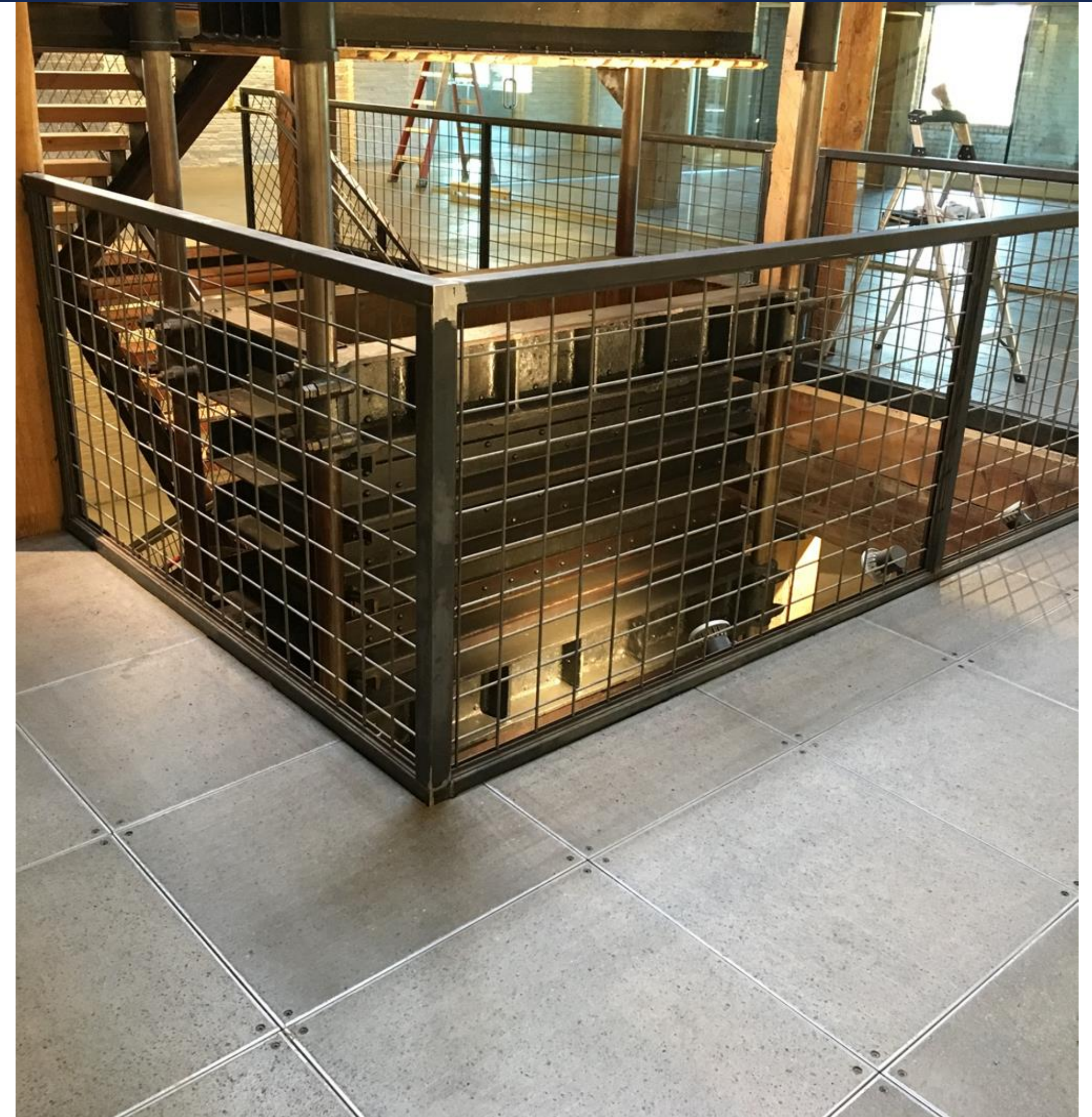
# The Global IFS Fully Integrated Solution

## The Bottom Line

Raised Access Flooring + UFAD +  
Modular Power + Modular Floor Finishes  
= less overhead clutter + enhanced  
aesthetics + more visible wood =

**MORE NATURAL BEAUTY**

**MORE BIOPHILIA!**



# SEE WHAT A (MOSTLY) NAKED CEILING LOOKS LIKE

Click Here and See Us in Action!!!



[https://www.youtube.com/watch?v=6H\\_qjO\\_BJjg](https://www.youtube.com/watch?v=6H_qjO_BJjg)