

PORTAFAB

CASE STUDY

Nike, Inc.

Location: Beaverton, OR

Application: New Office for Design Staff

Product: OmniFlex 300 Fire & Sound (14 foot tall)

Benefits Provided:

- Integrated structure with existing mezzanine to minimize space
- Saved cost by utilizing existing lighting, ceiling & fire protection
- Flexible design based on local building codes
- Ease of future reconfiguration if needed



THE SITUATION

Nike needed to create space to house their creative design team, within their existing research and development facility. Due to the dynamic nature of their business, Nike required that the office area maintain the existing floor space as well as provide flexibility down the road to reconfigure the area if needed.

Because of the likely temporary nature of the structure, Nike expressed concerns about the high cost of creating an office space within the facility.

THE SOLUTION

Indoff utilized a structural mezzanine design in accordance with the seismic conditions of the west coast to maintain the useable floor space. PortaFab's OmniFlex 300 wall system was chosen to enclose this area based on its high durability and ease of installation in case of reconfiguration in the future. The OmniFlex wall system expanded 14 feet from the top of the mezzanine deck, down to the underside of the existing building structure, resulting in a fully enclosed 3,000 square foot office space.

Because of our clients concern about high costs, PortaFab proposed taking the wall system up to the underside of the roof structure, diminishing the need to put in a finished acoustical ceiling. This allowed PortaFab to utilize existing lighting and fire protection, thus saving overall project cost.

Based on local building codes, all structural ceilings needed to be designed to allow 2" flexibility for snow loads. PortaFab worked with registered professional engineer in Oregon to devise a flexible connection between the walls and existing ceiling. The solution provided a floating top cap, which allowed the existing roof structure to deflect up to 2" for snow loads in the area.

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