



Nichiha USA | Case Study

CSHQA Office Building

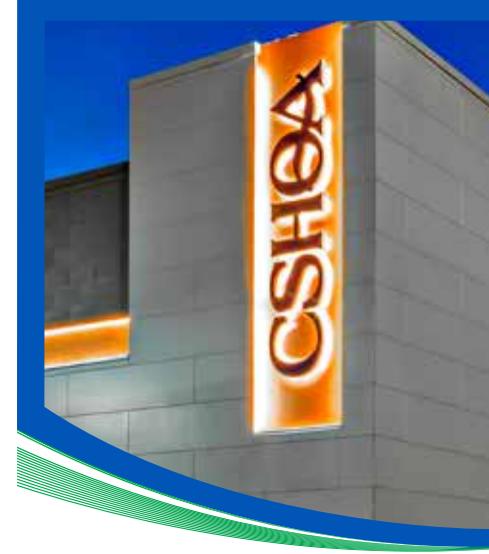
ARCHITECTS TRANSFORM WAREHOUSE INTO OFFICE SPACE WHILE PRESERVING ITS HISTORIC NATURE

When it came time for CSHQA, an award-winning, full-service architecture and engineering firm, to move office locations, they didn't need to look far. The 20,000-square-foot warehouse was not only a mere three blocks away, its renovation would be an ideal demonstration piece to show existing and potential clients how a building can be updated without changing its historic nature and while respecting the surrounding area architecturally.

Built in 1959, the building was originally used as storage for the rail lines that once ran along Front Street adjacent to the building. The interior space, although smaller, occupies only one floor—unlike the three floors in their previous location—allowing for closer collaboration of employees. The interior design philosophy was to expose the original wood ceiling composed of 10x26 solid timber beams and joists, and to add 14 new skylights to create uniform interior light levels and reduce energy use. The existing interior columns, 10" diameter concrete, were refurbished and many were left exposed. In keeping with the vintage feel, reclaimed timber was used for some of the interior woodwork as well as frames for artwork.

In addition, the design takes into account several building efficiencies, including the connection to the city's geothermal system for radiant floor heating throughout the space. The same radiant system is used to cool the space in the summer. Other sustainability upgrades include extensive daylight harvesting with integrated automated lighting and dimming systems, the use of LED fixtures, sustainable landscaping and on-site storm water management, low-use water fixtures, covered bicycle storage, and preferred parking for fuel-efficient vehicles. The building is targeting LEED Platinum and Green Globes certifications. If achieved, the CSHQA office will be the first LEED Platinum office renovation in Idaho.

Like many urban areas, Boise is seeing quite a bit of transition in its downtown core. Amidst the tear-downs and new structures, this warehouse renovation was a chance for CSHQA to showcase something new out of something old. With that in mind, the team specified Nichiha's Illumination Series panels and Smooth NichiBoard to ensure a clean, flawless look on the exterior. The building called for a specific color match, a cool white, to match the sheet metal coping at the top of the new walls.



Architect

- CSHQA

Location

- Boise, Idaho

Project Type

- Historic remodel

Product

- Illumination Series



Project Features

- Smooth, satin finish
- Virtually limitless color palette
- Easy installation
- Low maintenance
- 40% recycled content

CHALLENGE

Find an exterior technology that understood the design and aesthetic goals while also contributing to the building's LEED Platinum certification.

SOLUTION

The Illumination Series Panels, in a custom cool white color, and Smooth NichiBoard to ensure a clean, flawless exterior look.

RESULTS

The Nichiha panels provided the client design flexibility to modernize the historic building and the first large-scale use of fiber cement panels in the area.

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Another selling point: a built-in ventilated rainscreen system, unique to Nichiha panels, that eliminates the threat of trapped moisture.

"One of the many goals of the building renovation was to explore different technologies and showcase them within and on the building," says Ted Isbell, AIA, LEED AP BD+C, a senior associate at CSHQA. "We looked at several exterior wall cladding systems, including metal, wood, ACP panels, phenolic resin panels, and fiber cement. Nichiha worked with us to understand our goals."

Nichiha panels on the CSHQA warehouse were the first large-scale use of fiber cement panels in the Boise area. The panels provided flexibility to work with different design decisions, while modernizing the historic building.

"It completely changed the look of the building," said Mandie Brozo, project manager at CSHQA, noting that the clean look of the panels has attracted the attention of the real estate community. "Before the renovation, the building was anonymous, no one ever remembered it, and now people are noticing; it's like a new building."

For more information about Illumination and other Nichiha products, please visit: <http://www.nichiha.com/>

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About Nichiha USA:

Nichiha U.S.A., Inc., a subsidiary of Nichiha Corporation, was established 1998 and is headquartered in Norcross, Ga. Nichiha Corporation, an international leader in fiber cement technology for more than 35 years, has 13 plants worldwide and markets distinct patterns of fiber cement siding products in the U.S. In 2007, Nichiha opened its first U.S. manufacturing plant in Macon, Ga., responding to an increase in demand for fiber cement products in the Southeast market. For more information, call 1.86.NICHIHA1 or visit nichiha.com.



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