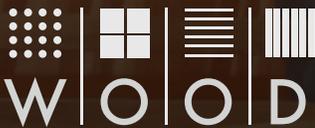


CASE STUDY

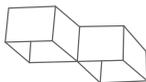
THE HEIGHT OF ACHIEVEMENT

*LAW OFFICE OF STOEL RIVES
PORTLAND, ORE.*



DIVISION 9 ENGINEERED-TO-ORDER WOOD CEILINGS

The coffered ceiling in the reception area lines up perfectly with the millwork, window mullions and stairway glass panel dividers.



The law office of Stoel Rives in Portland, Ore., features 9,489 sq.ft. of Douglas fir ceilings

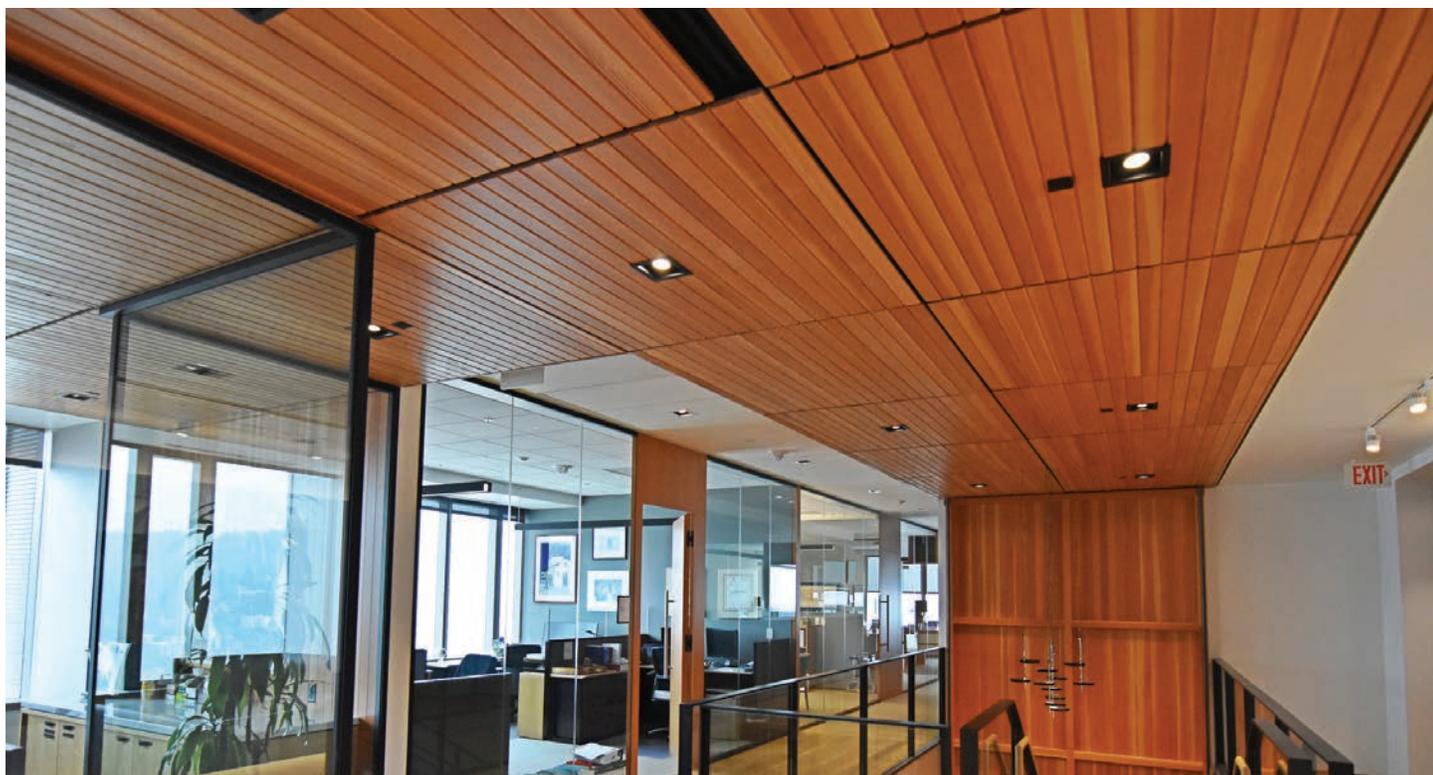
The 30-story Park Avenue West Tower in downtown Portland, Ore., houses the office of Stoel Rives, a high-profile West coast law firm. "Our client requested a timeless modern design," says Michael O'Mara, AIA, LEED AP BD+C of ZGF Architects, LLP, Portland. 9Wood, Springfield, Ore., provided the speciality wood ceiling systems for the project. Anning-Johnson of Portland did the installation.

Box Beams. The coffered ceiling in the reception area was "designed in a fresh way looking to the future," the architect says. The ceiling uses 3-foot by 3-foot box beams. "The beams had to interact

dimensionally with the millwork from floor to ceiling and line up perfectly with the window mullions and glass panel dividers along the lobby staircase," says 9Wood Project Leader Steve Kovarik.

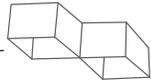
"We used a Building Information Model to create the box beam grid," says Luke Glass, who ran the project for Anning-Johnson. "Douglas fir veneer beams only come in stock lengths, so the model helped us to hide the joints at the cross sections."

Removable Panels. The ceilings in the private offices on floors 24 to 28 of the high rise differed from that of the public area. They use tongue &



The tongue & groove ceilings give access to the plenum through an ingenious system developed during the project. The ceiling contractor proposed and built 5-foot by 5-foot panels that can unhook from the grid and hang open if needed.





PROJECT

The law office of Stoel Rives,
Portland, Ore.

ARCHITECT

ZGF Architects,
Portland, Ore.

CEILING CONTRACTOR

Anning-Johnson,
Portland, Ore.

CEILING SYSTEM

Custom engineered box beam,
linear wood and reclaimed wood
ceilings from 9Wood,
Springfield, Ore.

groove Douglas fir planks.

"Instead of a tight joint in the ceiling," O'Mara says, "we opted for a splay groove to accent the joint and differentiate the two systems."

Originally, the T&G ceilings were supposed to attach to a basic ceiling grid, but their design switched part way through the project to include $\frac{3}{4}$ -inch reveals. The ceiling contractor improvised by cutting the reveals in the field.

Also, the ceiling contractor proposed using 5-foot by 5-foot, removable panels, which were approved by local building inspectors. The panels suspend from the deck with aircraft cable. They can unhook and swing open for access to mechanical equipment mounted overhead.

After procuring the proper grade of Douglas fir, 9Wood milled, fire-treated and finished the slats. Then, Anning-Johnson converted the slats into the panels. "We cut all the openings for light fixtures, sprinkler heads, microphones using our CNC machine," Glass says.

“ *THE COFFERED CEILING IN THE RECEPTION AREA WAS DESIGNED IN A FRESH WAY LOOKING TO THE FUTURE.* ”

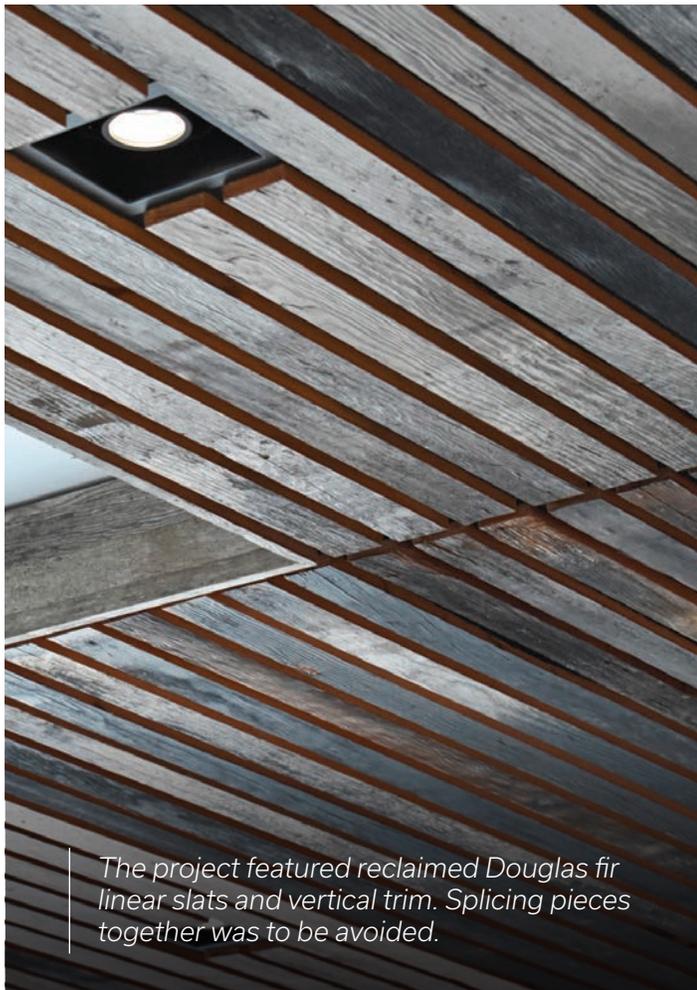


"The break room is meant to be a fun, casual environment for the staff," says Michael O'Mara, AIA, LEED AP BD+C of ZGF Architects, LLP, Portland. "We opted to use a reclaimed vertical grain Douglas fir to support that aesthetic."

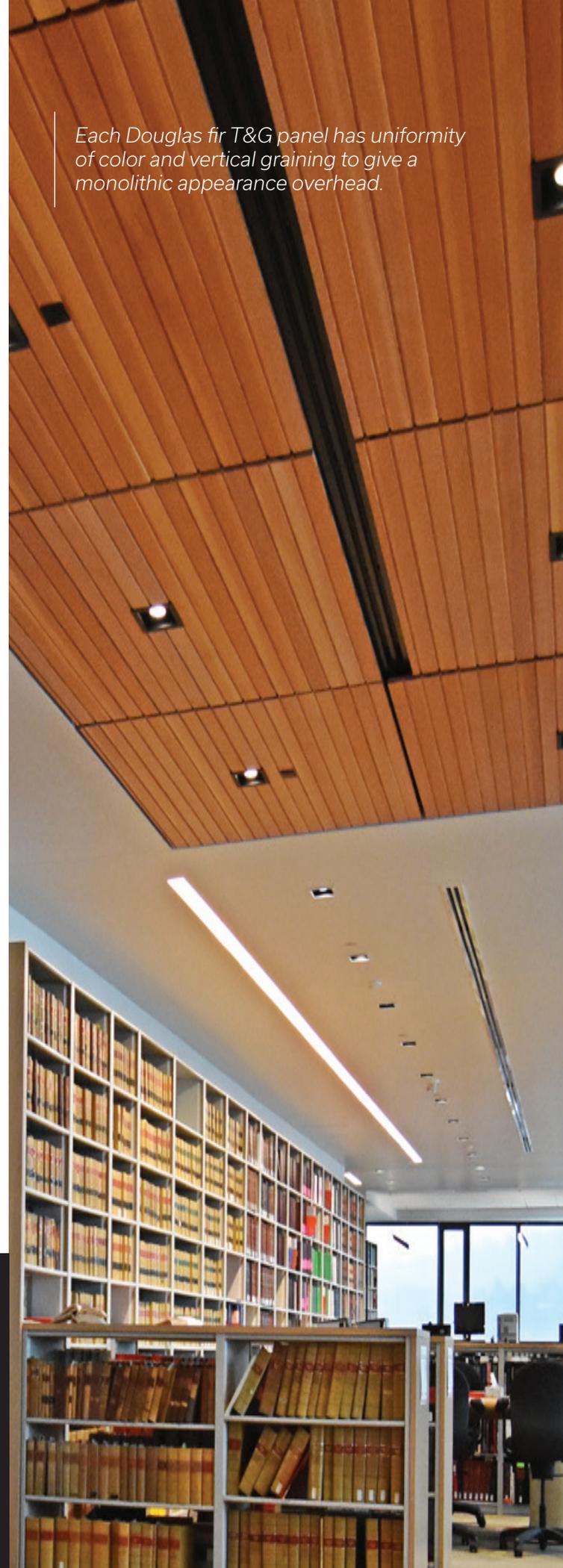


Reclaimed Wood. The break room features a reclaimed Douglas fir ceiling. Sourced from local farm structures, the reclaimed wood added a rustic touch to the refined office and, O'Mara says, contributed points toward LEED® Platinum certification.

ZGF Architects, Anning-Johnson and 9Wood worked together closely to integrate the ceilings systems. The wood finish expectations were challenging on the project, but 9Wood met the requirements, which enabled ZGF Architects to achieve its vision for the space.



The project featured reclaimed Douglas fir linear slats and vertical trim. Splicing pieces together was to be avoided.



Each Douglas fir T&G panel has uniformity of color and vertical graining to give a monolithic appearance overhead.



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Photography by Steve Kovarik

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