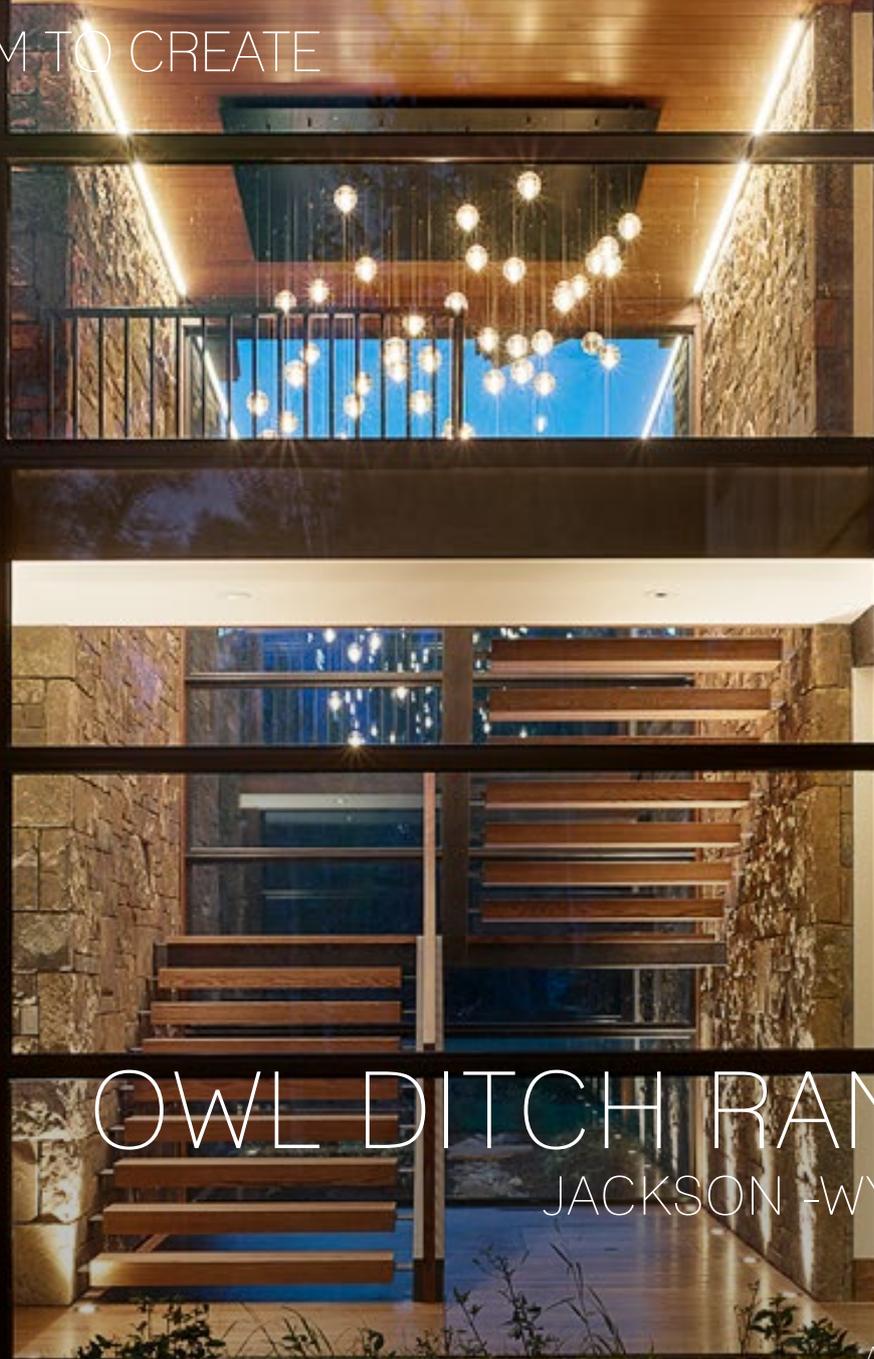


B

FREEDOM TO CREATE



OWL DITCH RANCH
JACKSON - WYOMING

AUGUST 2017
BROMBAL MAG #06



Project and Scope



Owl Ditch Ranch
View from NW

Carney Logan Burke Architects



View thru connector
JOC

Carney Logan Burke Architects

This compound of buildings on a 10-acre site on the Snake River was designed by Carney Logan Burke Architects (CLB) for a couple with four boys who intend to spend as much time in Wyoming as their busy lives in Chicago will allow. Features of the riparian site were thick cottonwood and conifer tree cover and a man-made pond and irrigation channel flowing from the Snake River from which the property takes its name, Owl Ditch Ranch. An existing outdated house on the site was deemed to be unsalvageable but would serve as the family's base during what turned out to be a five-year design and construction process. CLB worked with landscape architect, Hershberger Design, to develop a master plan that included a new main residence of approximately 6,500sf, a party/exercise barn of 850sf, and an existing log guesthouse that would be renovated. Initial site visits confirmed that the

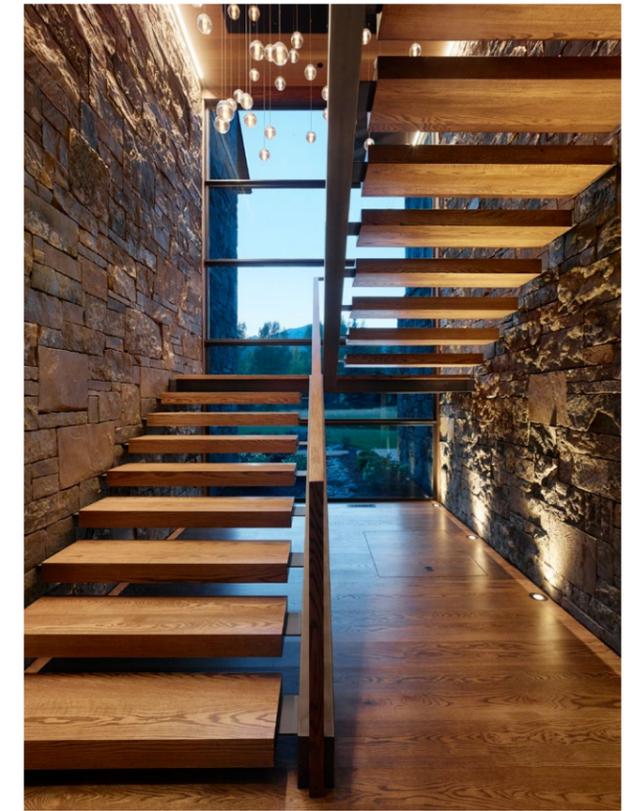
main house should be sited in a clearing overlooking the existing pond and bordered by woods on the south and east. The pond was expanded and reshaped to engage the house and its exterior spaces. A northwesterly orientation provides dramatic views across the pond to the Teton Range. By zoning the house into three component wings, the architect was able to reduce its apparent scale while organizing the program in a logical manner. The central wing contains the 'public' functions of the house—living, dining, and separate kitchen/breakfast room. The north wing contains a master suite, guest suite, den, and an office for the husband, an attorney who wanted to be able to work from home. The south wing contains a 3-car garage, mud room, laundry, bunk room, and four boys rooms above that are identical other than wallpaper and color schemes, which the boys were encouraged to choose.



The husband and wife had slightly different visions of what they wanted the house to be. He preferred a more rustic feel, while she envisioned something more contemporary, which presented the challenge of how to reconcile the two. In addition, the design guidelines for the Solitude Subdivision dictated more traditional forms with a requirement for gabled roofs and rustic materials on the exterior. Western precedents such as old lodges and National Park structures tend to have small windows and dark interiors, but the clients wanted something much lighter, more transparent and connected to the landscape. The solution involved several design moves that fused western vernacular forms-covered porches, shallow-pitch gabled roofs, generous overhangs-with more modern elements such as large expanses of glass. CLB specified Brombal's steel divided light units for their art, craft and science of custom fenestration. CLB had been looking for an opportunity to use Brombal windows and doors in one of their projects, and this seemed to be a perfect fit. Brombal worked with CLB to come up with a custom variation of their thermally broken OS2 profile that allowed for triple glazing in a simulated divided light with narrow mullion profiles. These beautifully crafted windows were also used in two connector elements linking the three masses. One of these contains the main stair that floats between two stone walls and double height glass walls to capture views while



moving through the space. The Great Room, with its regular rhythm of timber trusses, classic proportions, and stone fireplace wall at one end, is reminiscent of an old lodge. The suspended walkway connects the two wings and provides an overlook into the grand space and out the clerestory windows to the Tetons. Connection to the outdoors is achieved through five pairs of French doors that lead to a covered terrace, lawn, and pond. Program for the outdoor spaces includes fire pit, hot tub, outdoor grill/smoker that are accessed from the kitchen, and a generous lawn for various games and sports.



FREEDOM TO CREATE

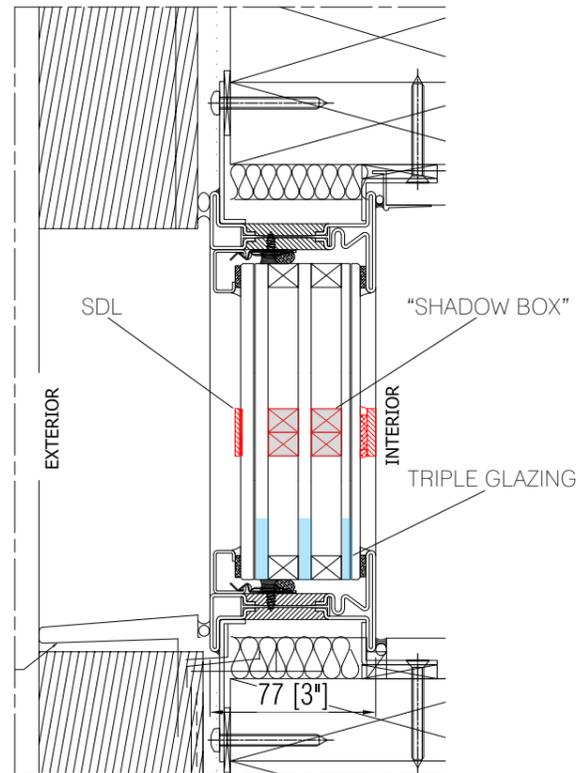
MASSIVE, UNOBSTRUCTED, HIGH PERFORMANCE UNITS



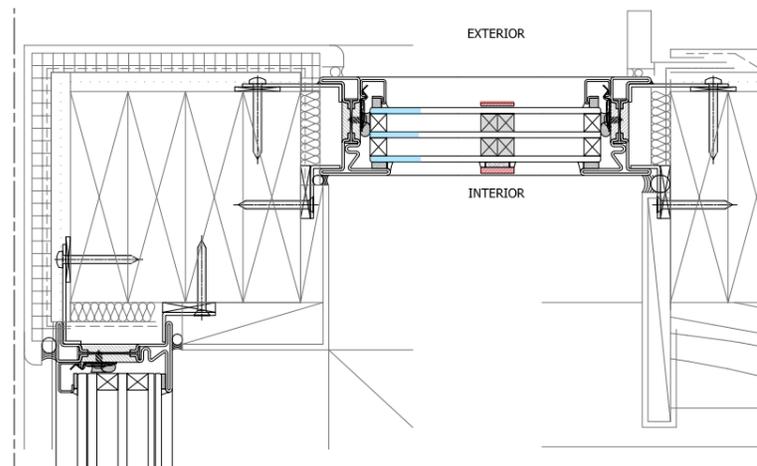
DEEP GLAZING POCKET

- allows for triple glazing
- improves energy efficiency
- provides room for extra large glass lights

OS2 77 - VERTICAL SECTION



OS2 77 - HORIZONTAL SECTION



OS2-77 DEEP POCKET GLAZING PROFILE

OS2-77 was specifically designed to offer the most energy efficient narrow sightline window and door system possible. 77 denotes the overall profile depth in millimeters. Its glazing pocket is 1/2" deeper than the standard OS2 profile. Because of this, Brombal is able to offer high performance triple glazing while optimizing the glass airspace (12-15 mm between each pane of glass). This assists in extreme weather conditions to feel even greater comfort indoors while reducing energy consumption.

Another wonderful benefit of the OS2-77 profile is illustrated in the Owl Ditch Ranch (ODR) project. Brombal was able to produce much larger unobstructed window elements. As requested by Carney Logan Burke Architects for the ODR residence, Brombal created a fixed triple-glazed unit that was 110 sq/ft overall maximizing the client's beautiful views of the Teton Mountain Range while providing the best in energy performance. The deeper glazing pocket allows for thicker structural glass elements which are necessary when engineering extremely large units in conjunction with job specific wind load requirements.

SIMULATED DIVIDED LIGHT (SDL)

Details matter which is why Brombal has designed the most pleasing SDL offering in the industry. Divided-lights need to add character and appear authentic.

They need to allow flexibility in their aesthetic appearance. Brombal offers a wide variety of profile shapes and sizes, even customized solutions to fit perfectly within the architect's design.

Spacer bars provided by Brombal's glass partner, Zanatta Vetrol, are very tight against the glass so that a "shadow bar" is created giving a pleasing depth through the profile.





TESTIMONIAL

BROMBAL PRODUCT AND PROCESSES

"I was honored to be hosted by the Brombal family for a visit to Altivole in northern Italy where we witnessed the production process from the Secco Sistemi factory. We were greatly impressed at the level of craftsmanship and technical skills that we saw during our visit. We spent several enjoyable and educational days with the Brombal family, all of whom are involved in this family owned and run business."

WORKING WITH PEAK GLASS

"The client's desire for divided light windows posed a challenge that we met by customizing one of Brombal's standard extrusions to accommodate the divided lights and triple glazing. The shadow bars were so convincing that it is impossible to tell that these are not actually true divided lights. Peak Glass facilitated this process and ensured that the window package met our specifications and was delivered on time and on budget."

John Carney, FAIA - Principal
Carney Logan Burke Architects

PROJECT TEAM

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