



Rendering of Peter Rose Designed Residence

Rendering of Brent Murdoch Designed Residence

# TIMBER FRAME CONSTRUCTION: RESERVED MODERN VERSUS GRAND CLASSIC WHISTLER | TOUR AND SEMINAR | 3.0 CORE LUS

Timber Frame and Heavy Timber has always been part of the Whistler architectural vernacular. Two recently completed homes on Alta Lake showcase the contrasting approaches to timber framing; one venue exemplifies clean and contemporary but with the warmth and interest of timber construction, the second venue is best described as an old world lodge with all the comforts and convenience of the modern world.

BC Wood is pleased to partner with Kettle River Timberworks to offer the Specifier Community an AIBC approved event that will provide attendees hands on insights into timber specifications and processing including: preparation and finishing architectural timber, joinery design for high snow loads, integrating curtain wall glazing with heavy timber, laser surveying for executing complicated timberwork and much more.

More information on the following page.

### AGENDA:

- 10:15 am Meet at Lakeside Park parking lot (between both properties)
- 10:30-10:45 Walk to First Project (3 minute walk)
- 10:45-11:45 Site Tour of Brent Murdoch Designed Residence
- 11:45-12:00 Walk to Second Project (6 minute walk)
- 12:00-1:00 Lunch & Learn Seminar “Timber Framing in Residential Construction”
- 1:10-2:10 Site Tour of Peter Rose Designed Residence
- 2:10-2:30 Wrap up and optional Q&A

FRIDAY, JUNE 15, 2018  
10:15AM - 2:30PM

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LAKESIDE PARK  
ADDRESS  
WHISTLER, BC

MEET AT THE  
PARKING LOT BY  
LAKESIDE PARK

TOUR CONDUCTED  
ON FOOT

\* \* \* \* \*

A CATERED LUNCH  
WILL BE PROVIDED

There is no charge for this event; however, space is limited so please RSVP as soon as possible to Ken Hori at [khori@bcwood.com](mailto:khori@bcwood.com).

Thank you.



# PROGRAM SYNOPSIS:

## SESSION 1

1.0 Hours: 1.0 CORE LU

### Site Tour of Brent Murdoch Designed Residence

#### Presenters/Tour Guides:

- Project Architect: Brent Murdoch, Brent Murdoch Architecture
- Timber Framer: Dave Petrina, Kettle River Timberworks
- Builder: Brian Gavan, Gavan Construction

#### Summary:

This project is a contemporary timber frame structure. The guided tour will provide attendees with a first-hand inner looking into the introduction of bow-string trusses and paired rafters which addressed the inherent large snow loads on a low pitch roof. Attendees will see how wood products have been used extensively throughout the project including an open timber staircase, wood ceilings and flooring.

#### Learning Objectives:

- Understand how timber frame construction can lend itself to contemporary architecture
- Understand joinery and truss design to deal with heavy Whistler snow loads
- Gain a greater understanding of timber specification, pre-fabrication, pre-finishing and field finishing

## SESSION 2

1.0 Hours: 1.0 CORE LU

### Seminar: Timber Framing in Residential Construction

#### Presenter: Dave Petrina, Owner, Kettle River Timberworks

#### Summary:

This seminar will discuss how the architect, timber framer and structural engineer work together using 3D modelling to execute an extremely complicated and large timber frame project. Discussion on how 10,000 lbs of steel was incorporated into the timberwork for a client who 'didn't want see any steel'. Insights into the unique integration of glass and slider doors that were incorporated into the timberwork will be shared. Also discussed will be the use of sophisticated laser survey equipment as a powerful tool to prefabricate complicated timber assemblies.

#### Learning Objectives:

- Understand value of 3D modelling for timber frame design and coordination with architect
- Understand ways to 'hide' steel in heavy timber structures
- Understand how Laser surveying can make complicated prefabrication fit like a glove
- Gain insights on integrating curtain wall glazing with heavy timberwork

## SESSION 3

1.0 Hours: 1.0 CORE LU

### Site Tour of Peter Rose Designed Residence

#### Presenters/Tour Guides:

- Project Architect: Peter Rose, Peter Rose Architecture
- Timber Framer: Dave Petrina, Kettle River Timberworks
- Builder: Paul MacDougall, MacDougall Construction

#### Summary:

This 8700 sq. ft house has been in the works for 2 ½ years. The client's mandate was to design a timber frame home with big timber and lodge like attributes, contrasting some of the more contemporary architecture typical to Whistler. The project was built to be a legacy home exceeding 100 year climate values. The guided tour will provide attendees with a first-hand inner looking into the massive, unique and elaborate Timberwork in this project. BC wood products are used extensively inside and outside of the home. Timber is integrated directly with glazing, steel, stone, media, and doors. Timber installation was staged over a 2 year period.

#### Learning Objectives:

- See and understand effectiveness of curtain wall glazing directly to heavy timber
- See and discuss heavy timber specifications, engineered timber specifications including finishing and pre-finishing
- Understand timber framing applications to staircases, heavy mouldings and mantles