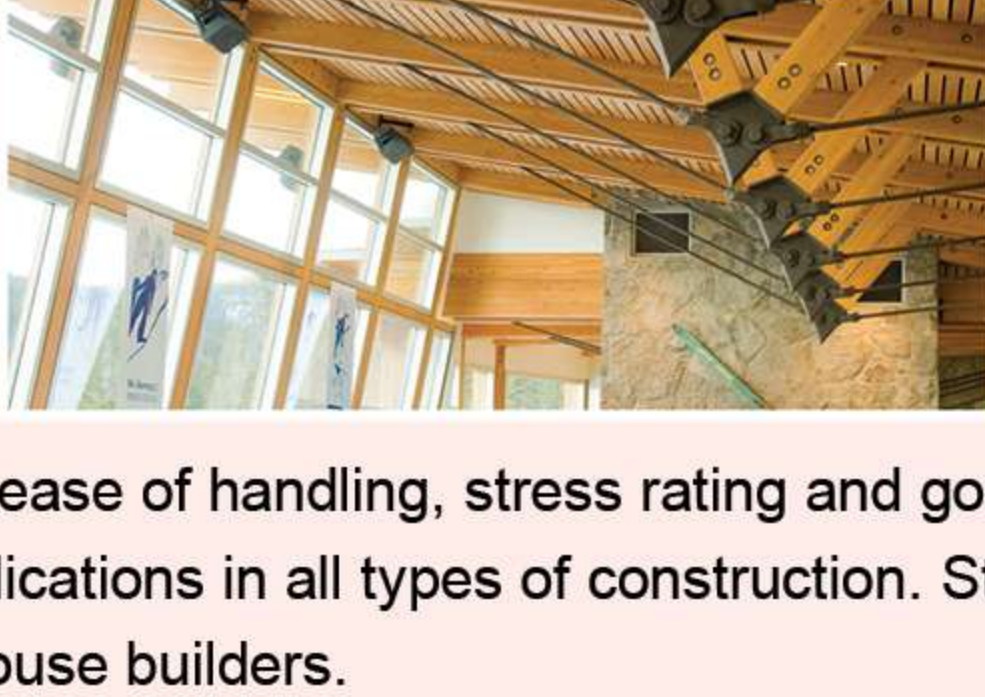


**Spruce-pine-fir – the structural application specialist**



Canadian Wood promotes five distinct wood species from B.C., Canada. They are S-P-F, Western hemlock, Douglas-fir, Yellow cedar and Western red cedar. All these five species are legally harvested, certified, and sourced from sustainably managed forests of British Columbia (B.C.), Canada. Each of these species is suitable for a wide range of indoor and outdoor applications. S-P-F, amongst these species is noted for its structural use.

**S-P-F: Ideal for framing in all types of construction and structural applications:**



Spruce-Pine-Fir's strength, lightweight, ease of handling, stress rating and good working properties have made it a preferred wood species for framing applications in all types of construction. Strong and stable, SPF is thus well-acknowledged world over by wooden house builders.

**S-P-F features:**

- High structural performance
- Excellent weight to strength ratio
- Great strength and dimensional stability
- Good planing and shaping quality
- Excellent nail and screw holding properties with very good resistance to splitting
- Good staining and superior gluing properties
- Outstanding working properties

**Lesser known facts about S-P-F:**

S-P-F is actually made of three softwoods - White spruce, Lodgepole pine and Alpine fir. These are all trees of medium size, averaging 30 metres in height and up to 80 centimetres in diameter. They are hardy trees, relatively slow-growing and yield high-grade timber with small, sound, tight knots.

**S-P-F Applications:**

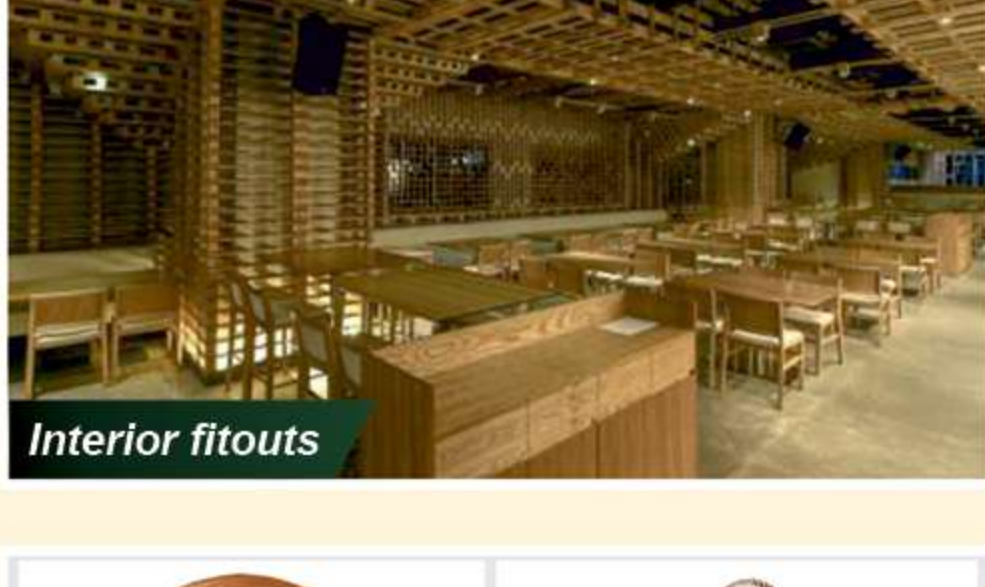


S-P-F is particularly favourite with house builders, who appreciate its high structural performance as well as its fine appearance.

The prefabrication industry is also a major user of S-P-F because of the wood's strength, dimensional stability and superior gluing properties.

Manufacturers of wooden houses, posts, beams and trusses, and besides other structural components, regularly specify kiln-dried S-P-F as their choice of wood for its consistent quality and precise dimensions.

**Other important applications: furniture, interior fitouts, panelling, door & door frames and artefacts**



**S-P-F: Canadian wood species are at the forefront of sustainable housing projects in India**

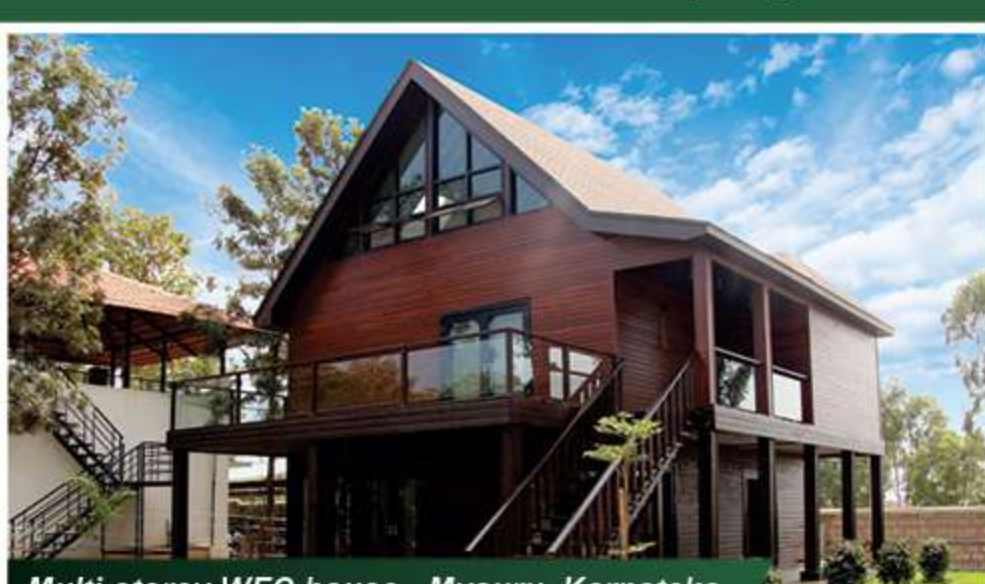
In tune with global trends, developers in India too are coming forward to build with wood. India is an attractive emerging market for sustainable construction solutions with many opportunities waiting to be explored and we at Canadian Wood find this development very encouraging. The Canadian wood species S-P-F having caught the fancy of house builders globally is now finding favour with builders here in India. It is an extremely versatile lumber for residential, commercial, industrial and agricultural buildings worldwide. There is an encouraging trend amongst leading architects in India to design second homes of HNIs and the Resorts in Hills & Coastal area with wood as construction material for its biophilic qualities which promotes health and wellness amongst humans. Canadian Wood has been engaging with contractors / manufacturers in India imparting training and sharing best practices to increase knowledge and skill sets required for building with wood by using different techniques of wood construction such as WFC, T&G, Post & Beam etc., which are amply displayed in our demo-projects done in collaboration with leading architects, developers and builder/manufacturers.



**Canadian Wood Villa, Hyderabad, made using S-P-F**

In collaboration with wooden home makers and developers, Canadian Wood has created liveable display homes and resort-style cottages using the WFC technique. Such elegant display houses can be seen at Hyderabad, Chennai, Mysuru, and Bengaluru

**Other Canadian wood home WFC projects using S-P-F**



**Building a wood frame construction (WFC) house with Spruce-pine-fir (S-P-F)**



**Wood Frame Construction in progress**

Wood frame construction (WFC) commonly involves dimension lumber, engineered wood products, and structural wood panels to make walls, floor, and roof assemblies. These elements provide rigidity, support the interior and exterior finish, and provide a framework for installing mechanical systems and insulation.

**Advantages of WFC style construction:**

- Due to wood's high weight to strength ratio, WFC style construction is strong, durable and easy to build.
- The nail connections typically used in such constructions are effective in dissipating the energy of an earthquake and heavy wind.
- It is suitable in varied climates and is excellent in terms of acoustics. It provides a few hours of extra vital time in the event of a conflagration provided appropriate steps are taken during construction.
- Building with wood is quick and efficient, resulting in reduced labour costs and massive opportunity cost savings. In India, wooden structures take considerably lesser time to construct as compared to buildings with steel reinforced concrete.
- Wood buildings are more serene and pleasant to live in and work. It has been established that wood has health benefits for its occupants - well-being, productivity, and improved learning.

Wood Frame Construction method of building with wood is most popular in North America and in many parts of Europe and Asia-Pacific including ANZ. However, the other popular techniques adopted by many manufacturers in India and abroad are Tongue 'n' Groove (T&G), Post & Beam and Hybrid construction using wood in conjunction with local materials like stone and bricks etc. The cost of building with wood varies from technique to technique and the level of sophistication desired by the owner/developer. We will talk about those techniques later in another newsletter.

**Canadian Wood supports the inauguration of Caple Industrial Solutions - Centre of Excellence in Mumbai**



In a landmark move for the wood industry in India, Canadian Wood supported the launch of a Centre of Excellence (CoE) in Mumbai. The milestone move is powered by support to Caple Industrial Solutions, who were the official knowledge and training partner. The 13000-sqft CoE was launched on August 5th, 2023 at Pelhar in Vasai. It marks a turning point in the industry, showcasing Canadian Wood's commitment to promote sustainable practices and advance the skill development of the workforce. The objective of this first-of-its-kind initiative is to showcase the latest machining technologies and comprehensive training programs that will be conducted throughout the year.



Since Caple is renowned for providing top-notch training and development solutions and facilities, it enables Canadian Wood to gain access to its cutting-edge facility to host a diverse array of events and training workshops that are designed and organized by Furniture Fittings Council (FFSC). Participants enrolling at the CoE will be able to attend top-notch training sessions that will equip them with essential industry skills and knowledge. The facility has also made provision for a strategic platform to showcase and promote Canadian Wood's products, which will not only enhance their brand presence but also help expand their reach in the market.

Industry leaders, professionals, and media representatives witnessed the unveiling of Canadian Wood's Centre of Excellence at Vasai on August 5th, 2023. Through this platform, Canadian Wood aims to educate, upskill and empower carpenters, machine operators through production managers to decision makers by providing best practices in handling, manufacturing and machining wood and ensuring the promotion of sustainable wood and production practices. It has, in fact, also made a generous contribution of various Canadian wood species to demonstrate their capabilities in setting up of the interiors of this facility. The wood has been skillfully utilised for crafting training center spaces, elegant counters, exquisite panelling, and captivating wood interiors. Additionally, it has been instrumental in creating durable and aesthetically pleasing furniture, enhancing the entire space with a touch of natural beauty. In addition to the current offerings at Canadian Wood's CoE, FFSC aims to provide flexible training options, catering to aspiring carpenters and woodworkers with a diverse range of choices, including one-day programs to a more comprehensive one-month courses. This approach ensures accessibility and personalized learning experiences for all. It is also a testament of Canadian Wood's commitment to promote skill development as well as promotion of sustainable, high-quality materials in the woodworking industry.



**STAY TUNED** For our upcoming seminars & webinars