Use of Boise Cascade EWP for Concrete Formwork

Wood I-joists and laminated veneer lumber are commonly used for concrete formwork. In the past, there was nothing structurally different between products made for formwork and products made for building construction.

The difference between formwork and building construction projects lies in the design requirements. Building construction is governed by building codes and formwork design is generally covered by one or more of the following organizations' documents: American Concrete Institute (ACI); Scaffolding, Shoring and Forming Institute, Inc.; American Association of State Highway and Transportation Officials (AASHTO).

The design tools provided by Boise Cascade Engineered Wood Products are based on building code requirements. The design tables in our technical literature and the BC Calc® sizing program **cannot** be used to size formwork members. A formwork designer should be able to use the published allowable design values in Boise Cascade evaluation and product reports to properly size formwork members. Exposure to weather and other environmental conditions such as moisture that reduces published design values shall be accounted for by the formwork designer. The formwork designer shall be responsible for the adequacy of all formwork.

All members shall be properly inspected by a qualified professional prior to each use. Any member that has any of, but not limited to the following defects shall be removed from service: damage, weak spots, discoloration, delamination, material separation, splitting, notches, gouges, crushing, buckling, holes, or mold/fungus/decay. Field repaired or damaged product shall not be used.

All material shall be stored and handled in accordance with Boise Cascade published installation and specifier guides. Any divergence from published literature or any presence of defects as noted previously will void the product warranty.