

I have attached our certified strength test reports as well as the physical properties table as it applies to our rafters and purlins. I have worked with code inspectors and structural engineers in all areas across the US and overseas to confirm that our structures are acceptable in passing any and all standards. In every case our structures have been received and approved, in fact I have been told that our structures may be used to change the allowable standard for weight vs. strength because we are so far beyond what any other structures offer today as far as span distance vs deflection because of the very high (isotropic) strength and very low weight. I hope the certified strength testing and physical properties reports will help to alleviate any potential concerns.

Our components will not allow moisture to penetrate their surfaces and our components do not expand and contract with the change in seasons, this is a very important point, no other system can make that statement. The beams will hold the paint much better for this reason as well all of the connection points will remain tight as opposed to other systems which do expand and contract and allow moisture to penetrate their surfaces. Other systems will become "rickety" and eventually structurally unsound over the years because of the expansion and contraction pulling and pushing the connection points and the finish will become compromised as it also is subject to the same forces. The freeze thaw cycle also leaves our structures untouched. Our structures are very light and yet stronger than steel (tensile) which makes for a pergola that is extremely structurally sound. The isotropic nature of our fiberglass beams ensures uniform strength in all directions consistently throughout the entire length and width of the beams. The heat distortion index in regards to our fiberglass beams is more than twice that of vinyl/plastic pergolas.

Arbors Direct, Inc. has never had a structure fail and we are very proud to make that statement with the broad geographic placement from 20th floor outdoor courtyards overlooking downtown Ontario, Ca to the Dominican Republic and Hawaii and almost everywhere in between.

Our history with fiberglass building applications goes back 45 years and our founder was a pioneer in bringing fiberglass materials to the market in various forms for Owens Corning Fiberglass.

I am always available to discuss these matters in further detail. I greatly appreciate your careful review and consideration.

Best Regards,