

June 1, 2020

Subject: The Use of Steel Farm Roofing or Steel Roof Decking to Provide Lateral Restraint of Chord Members of Light Metal Plate Connected Roof Trusses

To Whom It May Concern:

Based on a request from industry, this letter will confirm that the Truss Plate Institute of Canada (TPIC) is unable to provide a blanket statement that indicates the use of steel farm roofing or steel roof decking will provide the lateral restraint required to brace the top and/or bottom chords of roof trusses.

The lateral restraint of the top or bottom chord is based on fastening of the chord to the diaphragm along with the ability of the diaphragm to resist the out of plane buckling force from the chord. There are several different steel roofing or steel decking profiles available and each has its own strength and stiffness properties that affect the design of the diaphragm.

The determination of the use of steel farm roofing or steel roof decking to provide lateral restraint to the top or bottom chord is the responsibility of the Building Designer/Engineer, as outlined under the design responsibilities of the appropriate TPIC design standard.

Sincerely,

Truss Plate Institute of Canada