



January 16, 2023

**Subject: Mandatory Quality Control Requirements for Fabricators per TPIC 2019 and NBC 2020**

To All Truss Fabricators:

With the publication of the National Building Code of Canada 2020 (NBC 2020) this past March, the industry is moving closer to mandatory quality control requirements for fabrication of light metal plate connected wood trusses designed in accordance with TPIC 2019 *Truss Design Procedures and Specifications for Light Metal Plate Connected Wood Trusses (TPIC 2019)*.

Once your Provincial or Territorial Government adopts NBC 2020 (or the Provincial version of it), which references TPIC 2019, you will be required to implement a third-party audited quality control program that complies with the CWTA *National Quality Standard for Metal Plate Connected Wood Trusses (CWTA NQS)* to ensure compliance with Clause 8 of TPIC 2019.

**8.1 General**

The minimum quality manufacturing criteria including tolerances to allow for manufacturing variances shall be in accordance with Appendix G.

**8.2 Quality control program**

All fabricators shall have a recognized quality control program that complies with the requirements of CWTA, "*National Quality Standard for Metal Plate Connected Wood Trusses.*"

**8.3 Fingerjoined lumber**

When fabricating trusses using fingerjoined lumber graded per NLGA SPS 1 or NLGA SPS 4 fabricators shall conform to Annex A of CWTA, "*National Quality Standard for Metal Plate Connected Wood Trusses.*"

As Clause 2.5 of the CWTA NQS requires that outside party audits be performed by qualified individuals approved by the Regional Association, it is therefore recommended that all fabricators contact their Regional Association for information on how to comply with these mandatory requirements.

**2.5. Outside Party Audits**

Audits shall be conducted at a minimum frequency of two times per year unless the plant is inactive for a period of at least 6 months. They shall be random and unannounced and reasonably distributed during the year. These audits are intended to verify the plant's ongoing conformance with this standard and Regional Association requirements. They are to be conducted by qualified individuals approved by the Regional Association.

For those fabricators who have not yet started the process of developing their in-plant qualification program, please be aware that it is estimated that it will take between six to twelve months from start to finish to become fully compliant with the CWTA NQS. Should a facility not meet these requirements when the authority having jurisdiction (AHJ) fully adopts the NBC 2020 (or the Provincial version of it), fabrication of trusses will not conform to TPIC 2019 and subsequently will not be code compliant.



As the purpose of the Truss Plate Institute of Canada is to serve the technical needs of both the truss fabricators and truss plate manufacturers across Canada, we are sending this letter as a reminder to all truss fabricators that waiting too late to develop your in-plant qualification program could have a negative effect on your business. If you have not yet started the process, please contact your Regional Association for further guidance.

Sincerely,

Truss Plate Institute of Canada

16 janvier, 2023

**Sujet: Exigences obligatoires au niveau du contrôle de la qualité pour les fabricants, requises par le TPIC 2019 et le CNBC 2020**

À tous les fabricants de fermes:

Avec la publication du Code national du bâtiment du Canada 2020 (CNBC 2020) en mars dernier, l'industrie se prépare progressivement à répondre à des exigences de contrôle de la qualité obligatoires, concernant la fabrication de fermes de bois assemblées avec des plaques en acier léger, qui sont conçues conformément au TPIC 2019 *Fermes de bois à connecteurs métalliques – Mode de calcul et devis technique (TPIC 2019)*.

Lorsque votre gouvernement provincial ou territorial aura adopté le CNBC 2020 (ou sa version provinciale) qui fait référence au TPIC 2019, vous devrez mettre en œuvre un programme de contrôle de la qualité audité par une tierce partie, qui est conforme à la norme CWTA *National Quality Standard for Metal Plate Connected Wood Trusses (CWTA NQS)*, afin de vous assurer d'être conforme à l'article 8 du TPIC 2019.

### 8.1 General

The minimum quality manufacturing criteria including tolerances to allow for manufacturing variances shall be in accordance with Appendix G.

### 8.2 Quality control program

All fabricators shall have a recognized quality control program that complies with the requirements of CWTA, "*National Quality Standard for Metal Plate Connected Wood Trusses.*"

### 8.3 Fingerjoined lumber

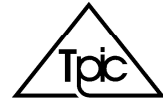
When fabricating trusses using fingerjoined lumber graded per NLGA SPS 1 or NLGA SPS 4 fabricators shall conform to Annex A of CWTA, "*National Quality Standard for Metal Plate Connected Wood Trusses.*"

Étant donné que la clause 2.5 du NQS de la CWTA exige que les audits externes soient effectués par des personnes qualifiées reconnues par l'association régionale, il est donc recommandé à tous les fabricants de contacter leur association régionale pour obtenir des informations sur la manière de se conformer à ces exigences obligatoires.

### 2.5. Outside Party Audits

Audits shall be conducted at a minimum frequency of two times per year unless the plant is inactive for a period of at least 6 months. They shall be random and unannounced and reasonably distributed during the year. These audits are intended to verify the plant's ongoing conformance with this standard and Regional Association requirements. They are to be conducted by qualified individuals approved by the Regional Association.

Pour les fabricants qui n'ont pas encore commencé le processus d'élaboration de leur programme de qualification en usine, vous devez savoir que l'on estime qu'il faudra de six à douze mois, du début à la fin, pour se conformer pleinement à la norme NQS de la CWTA. Si une installation ne répond pas à ces



exigences lorsque l'autorité compétente (AHJ) adoptera pleinement le CNBC 2020 (ou sa version provinciale), la fabrication de fermes ne sera pas conforme au TPIC 2019 et ne sera donc pas conforme au code.

Comme le but du Truss Plate Institute of Canada est de répondre aux besoins techniques des fabricants de fermes et des manufacturiers de plaques de fermes à travers le Canada, nous envoyons cette lettre en guise de rappel à tous les fabricants de fermes, que le fait de trop attendre pour développer votre programme de qualification en usine, pourrait avoir un effet négatif sur votre entreprise. Si vous n'avez pas encore débuté le processus, veuillez contacter votre association régionale pour plus d'informations.

Sincèrement,

Truss Plate Institute of Canada