

To Whom It May Concern,

This letter outlines how our glass fiber-reinforced polymer (GFRP) rebar, SFT-Bar®, can be effectively used in conjunction with Element ICF (Insulated Concrete Form) systems.

SFT-Bar® is a high-performance, corrosion-resistant reinforcement solution engineered for concrete structures where durability, lightweight handling, and long-term structural integrity are essential. Fully compliant with **CSA S806** and **ACI 440** standards for GFRP reinforcement, SFT-Bar® meets the rigorous engineering criteria required for modern concrete design. Its non-corrosive nature makes it exceptionally well-suited for ICF construction, ensuring the long-term performance of encapsulated reinforcement.

When paired with Element ICF systems, SFT-Bar® offers several distinct advantages:

- **Optimized Spacing:** SFT-Bar® boasts the highest modulus of elasticity on the market, translating into the widest allowable spacing between bars and reducing overall material requirements.
- **Ease of Installation:** The lightweight nature of GFRP bars simplifies handling, accelerates placement within the ICF framework, and reduces installer fatigue.
- **Seamless Compatibility:** SFT-Bar® is tied and positioned using standard ICF reinforcement practices, maintaining exact spacing and alignment within the forms.
- **Enhanced Durability:** Being 100% corrosion-free, SFT-Bar® significantly extends the service life of ICF structures, particularly in environments exposed to moisture, coastal salts, or severe freeze-thaw cycles.
- **Proven Structural Performance:** SFT-Bar® provides the reliable tensile strength and stiffness required for residential, commercial, and heavy infrastructure applications.

The real-world reliability of this system is already proven. SFT-Bar® was successfully utilized in a 12-story ICF residential building in Halifax, Nova Scotia, demonstrating its structural capability in large-scale, high-consequence builds.

We would be pleased to provide additional technical data sheets, design guidance, or project case studies to assist with your upcoming project.

Sincerely,

Wenxue Chen, President, Chief Executive Officer

