

# JOBSITE PACKAGE

## IMPORTANT DOCUMENTS ENCLOSED

### PLEASE REVIEW



#### **WARNING**

The handling, storing, installing, restraining and diagonal bracing of structural building components requires specialized training, clearly implemented procedures, and careful planning and communication among the contractor, crane operator and installation crew. Handling and installing components without appropriate training, planning and communication greatly increases the probability of an accident resulting in property damage, serious personal injury and/or death.

Prior to component installation, the documents should be examined and disseminated to all appropriate personnel, in addition to proper training and a clear understanding of the installation plan, any applicable fall protection requirements, and the intended restraint and bracing requirements. **Trusses with clear spans of 60 feet or greater in length are very dangerous to install and may require complex temporary and permanent bracing. Please consult a Registered Design Professional.**

Examine the building, the building's structural framing system, bearing locations and related installation conditions. Begin component installation only after any unsatisfactory conditions have been corrected. Do not cut, modify or repair components. Report any damage before installation.

The enclosed documents are offered as minimum guidelines only. Nothing contained in this jobsite package should be construed in any manner as expanding the scope of responsibility of, or imposing any additional liabilities on, the component manufacturer.

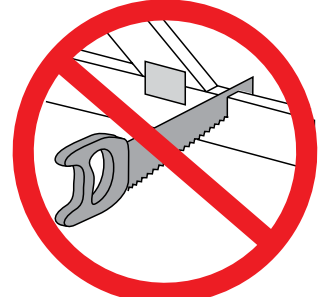
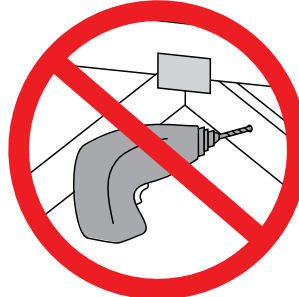
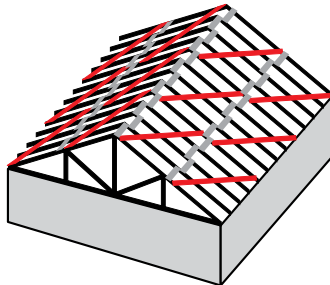
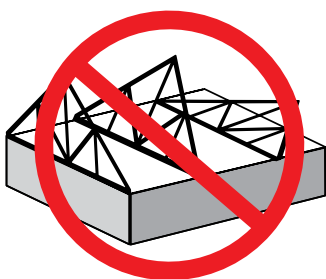
#### **¡ADVERTENCIA!**

*El manejo, almacenamiento, instalación, restricción y arriostre diagonal de componentes estructurales de construcción requieren entrenamiento especializada, procedimientos claramente implementados y planificaron y comunicación clara entre el contratista, operador de grúa, y los obreros de instalación. El manejar e instalar los componentes sin entrenamiento suficiente, planificación y comunicación adecuadas aumenta la probabilidad de un accidente que resulta en daño a propiedad, herida seria o muerte.*

*Antes de la instalación de componentes, los documentos adjuntos deben ser examinados y difundidos a todo el personal apropiado, además del entrenamiento pertinente y un claro entendimiento del plan de instalación, de todo requisito aplicable de la protección contra la caída y de los requisitos previstos de arriostre y restricción. **La instalación de trusses con tramos despejados y más de 60 pies de largo es muy peligrosa y puede requiere el arriostre temporal y permanente complejo. Por favor, consulte a un Profesional de Diseño Registrado.***

*Examine la estructura, el sistema armazón estructural de edificio, ubicaciones de soporte e las condiciones de instalación correspondientes y comenzar con la instalación de los componentes sólo después de haber corregido toda condición insatisfactoria. No corte, modifique ni repare los componentes y informe cualquier daño descubierto antes de proceder a la instalación.*

*Los documentos adjuntos se ofrecen solamente como directrices mínimas. Nada de lo incluido en este paquete debe interpretarse de manera que exceda el alcance de la responsabilidad del fabricante de componentes, ni en forma tal que imponga responsabilidades adicionales sobre éste.*



**FOR DESIGN RESPONSIBILITIES SEE REVERSE**

**The text appearing below has been paraphrased and reproduced from ANSI/TPI 1-2014, Chapter 2, with permission from the publisher, the Truss Plate Institute (TPI) (tpinst.org). For reference, the numbers in parentheses refer to specific ANSI/TPI 1 sections. Refer to ANSI/TPI 1 Chapter 2 for complete text and definitions. For information on design responsibilities contact your Component Manufacturer or SBCA at 608-274-4849 or sbcindustry.com.**

## **CONSTRUCTION RELATED ITEMS**

The Contractor shall not proceed with the Truss installation until the Truss Submittal Package has been reviewed by the Building Designer **(2.3.4.2)**. The Building Designer shall review the Truss Submittal Package for compatibility with the building design. All such submittals shall include a notation indicating that they have been reviewed and whether or not they have been found to be in general conformance with the design of the Building **(2.3.2.3)**.

The method of Permanent Individual Truss Member Restraint/Bracing and the method of anchoring or restraining to prevent lateral movement of all Truss members acting together as a system shall be accomplished by: (a) standard industry Lateral Restraint and Diagonal Bracing details in accordance with BCSI-B3 and/or BCSI-B7 **(2.3.3.1.1)**, (b) Permanent Individual Truss Member Restraint shall be permitted to be replaced with reinforcement designed to prevent buckling (e.g., buckling reinforcement by T-reinforcement or L-reinforcement, proprietary reinforcement, etc.) **(2.3.3.1.2)**, or a project specific Truss member permanent Lateral Restraint/Diagonal Bracing design for the roof or floor Building Structural System shall be permitted to be specified by the Building Designer or any Registered Design Professional (RDP) **(2.3.3.1.3)**.

If a specific T member permanent bracing design for the roof or floor Framing Structural System is not provided by the Owner, Building Designer, or any RDP, the method of Permanent Individual Truss Member Restraint and Diagonal Bracing for the Truss Top Chord, Bottom Chord, and Web members shall be in accordance with BCSI-B3 or BCSI-B7 **(2.3.3.2)**.

The Contractor is responsible for the construction means, methods, techniques, sequences, procedures, programs, and safety in connection with the receipt, storage, handling, installation, restraining, and bracing of the Trusses **(2.3.4.4)**. The Contractor shall ensure that the Building support conditions are of sufficient strength and stability to accommodate the loads applied during the Truss installation process. Truss installation shall comply with installation tolerances shown in BCSI-B1. Temporary Installation Restraint/Bracing for the Truss system and the permanent Truss system Lateral Restraint and Diagonal Bracing for the completed building and any other construction work related directly or indirectly to the Trusses shall be installed by the Contractor in accordance with the Construction Documents and/or the Truss Submittal Package **(2.3.4.5)**.

The Contractor shall examine the trusses delivered to the job site and after the Trusses are erected and installed for dislodged or missing connectors, cracked, dislodged or broken members, or any other damage that may impair the structural integrity of the Truss **(2.3.4.6/2.3.4.7)**. In the event that damage to a Truss is discovered that would likely impair the structural integrity of the Truss, the Contractor shall ensure that the Truss not be erected or that any area within the building supported by any such Truss already erected shall be appropriately shored or supported to prevent further damage from occurring and shall remain clear and free of any load imposed by people, plumbing, electrical, mechanical, bridging, bracing, etc. until field repairs have been properly completed **(2.3.4.8)**. In the event of damage, the Contractor shall contact the Truss Manufacturer to determine an adequate field repair and construct the field repair in accordance with the written instructions and details provided by any RDP **(2.3.4.9)**.

## **TRUSS MANUFACTURER RESPONSIBILITIES**

Where required by the Construction Documents or Contract, Legal Requirements or the Building Official, the Truss Manufacturer shall provide the appropriate Truss Submittal Package, including the Truss Design Drawings, a Truss Placement Diagram, and the required Permanent Individual Truss Member Restraint and the method to be used **(2.3.6.5)** to one or more of the following: Building Official; Building Designer and/or Contractor for review and/or approval **(2.3.6.7)**. The Truss Manufacturer shall also be allowed to provide detail drawings to the Contractor to document special application conditions **(2.3.6.6)**.

The Truss Placement Diagram identifies the assumed location for each individually designated Truss and references the corresponding Truss Design Drawing. The Truss Placement Diagram shall be permitted to include identifying marks for other products including Structural Elements, so that they can be more easily identified by the Contractor during field erection. When the Truss Placement Diagram serves only as a guide for Truss installation and requires no engineering input or is not prepared by a RDP, it does not require the seal of any RDP including cases where the Legal Requirements mandate a RDP for the Buildings **(2.3.6.4)**.

In preparing the Truss Submittal Package, the Truss Manufacturer shall be permitted to rely on the accuracy and completeness of information furnished in the Construction Documents or otherwise furnished in writing by the Building Designer and/or Contractor **(2.3.6.8)**.

The Truss Manufacturer shall determine the fabrication tolerance to be used in the truss design **(2.3.6.9)** and manufacture the trusses in accordance with the final Truss Design Drawings, using the quality criteria required by ANSI/TPI 1-2014 unless more stringent quality criteria is provided by the Owner in writing or through the Construction Documents **(2.3.6.10)**.