### TYPICAL DETAILS

**SCALE: NTS**

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**IMPORTANT NOTES:**

**Warning:** Before installing any component, all provided documents must be inspected by all relevant personnel. Inspect all components, the building’s structure, dimensions, bearings, and any conditions relative to the installation. Only after all non-satisfactory conditions have been resolved, can the installation of the trusses be started. Do not modify, cut or repair any component. You are responsible for reporting (by writing) any changes, errors or modifications. These should be reported before any work on site is started. Léon Chouinard & Fils Ltd shall not be held responsible for any changes, errors or modifications.

**Roof Trusses Installation Layout:**

This layout is intended for the installation of roof trusses only. It is to be read collectively with all other provided documents, shop drawings, architectural and structural plans, and information provided by the person in charge of the project. Every truss type is indicated, relative to the engineering drawing for further details and information relative to each truss. Unless noted otherwise, truss spacing is 24" o.c.

**Continuous Lateral Bracing:**

Continuous lateral bracing is to be installed to prevent truss compression webs from buckling and are not intended to brace the overall roof system.

- Install the amount of braces as shown on the engineering drawing of the truss. (Also see installation guide provided)
- Install web bracing at the half length or at the third of the length of the web.
- Note: For efficiency, all continuous lateral bracing is to be installed on at least 3 trusses and must be braced as shown on the engineering drawing of the truss. (Also see installation guide provided)

**Anchor Details:**

- Unless otherwise noted according to the table 9.23.3 of the NBCC, braces must be anchored to the top plate with a minimum of 3 - 3½" nails toe-nail.
- Be careful not to damage the wood or connector of the truss.

**Typical Valley Set:**

- Valley truss
- Plywood
- Blasting
- First truss is placed flush to the exterior face of the wall stud.
- 1 nail in each block and 1 nail in the bottom of the valley truss.
- Valley truss is identified with its position. Refer to engineering drawing for additional details. The lateral support of the top chord of the trusses underneath is assured by the lay-in gable, therefore, they need to be nailed together at each joint with 2 - 3½" nails.

**Lay-in Gable and Hip Roofs:**

- Follow truss location as shown on layout. Each truss is identified with its position. Refer to engineering drawing of each truss for additional details. The lateral support of the top chord of the trusses underneath is assured by the lay-in gable, therefore, they need to be nailed together at each joint with 2 - 3½" nails.

**Typical Truss Assembly:**

- Girder trusses are used to support other trusses or structural elements.
- Composed of 2 to 5 trusses, they must be attached one to the other with the nailing specified under "Lumber" column from the roof truss engineering drawing.
- In addition to the nailing, girder trusses with 4 or 5 plies must be bolted together with a ¾" diameter bolt with washer at each panel. (See detail #7)

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**Important Points:**

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  - **Note:** Continuous lateral bracing is to be installed to the flat top chord of the base truss with 2 - 3½" nails. See the roof truss engineering drawing of the base truss for the size and spacing of the base truss. Secure an adequate permanent bracing is install for continuous lateral bracing.
  - **Join the two trusses together by adding a 2x4 nailed on the side of the top chords with 2 rows of 3" nails @ 6" o.c.**
  - **Continuous lateral bracing to be nailed to the flange of the base truss with 2 - 3½" nails. See the roof truss engineering drawing of the base truss for the size and spacing of the base truss. Secure an adequate permanent bracing is install for continuous lateral bracing.
  - **The spacing of the continuous lateral bracing per the base truss drawing. (34" max o.c.)**

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**Continuous Lateral Bracing (2x4, 2x6 or 2x8):**

- Continuous lateral bracing is to be installed to prevent truss compression webs from buckling and are not intended to brace the overall roof system.
- Install web bracing at the half length or at the third of the length of the web.
- Note: For efficiency, all continuous lateral bracing is to be installed on at least 3 trusses and must be braced as shown on the engineering drawing of the truss. (Also see installation guide provided)

**Anchor Details:**

- Unless otherwise noted according to the table 9.23.3 of the NBCC, braces must be anchored to the top plate with a minimum of 3 - 3½" nails toe-nail. Be careful not to damage the wood or connector of the truss.