

CAMO® Series Structural Wood Screws (Framing Screws, Truss Screws, 1/4" Structural Flat and Hex Head Screws and 5/16" Structural Flat and Hex Head Screws)

Installation Instructions

1 Installation

- 1.1 Installation shall comply with the approved construction documents, the manufacturer installation instructions, this report, and the applicable building code.
- 1.2 In the event of a conflict between the manufacturer installation instructions and report number 2102-01, the more restrictive shall govern.
- 1.3 Fasteners shall be installed with a 1/2" (12.7mm), low rpm/high torque electric drill (450 rpm).
- 1.4 Fasteners shall be installed with manufacturer-supplied bits.
- 1.5 Fasteners shall be installed with the underside of the head flush to the surface of the wood member. Fasteners shall not be overdriven.
- 1.6 Fasteners shall not be struck with a hammer during installation.
- 1.7 Lead holes are not required but may be used where lumber is prone to splitting.
 - 1.7.1 Where used, the size of lead holes shall be in accordance with the provisions in Chapter 12 of the NDS.
- 1.8 Installer shall use appropriate/required personal protection equipment during installation and must not place fastener in mouth.
- 1.9 Minimum requirements for screw spacing edge distance, and end distance shall be in accordance with Table 1.

Table 1. Screw Spacing, Edge Distance and End Distance Requirements¹

Connection Geometry	Minimum Spacing/Distance (in)			
	#12 Framing Screw	#14 Truss Screw	1/4" Flat or Hex	5/16" Flat or Hex
Edge Distance –Load in any direction	1/2			5/8
End Distance – Load parallel to grain, towards end	2 1/2	2 3/8	2 7/8	3 3/8
End Distance – Load perpendicular to grain, away from end	1 5/8		2	2 1/4
End Distance – Load perpendicular to grain	1 5/8		2	2 1/4
Spacing between Fasteners in a Row – Parallel to grain	2 1/2	2 3/8	2 7/8	3 3/8
Spacing between Fasteners in a Row – Perpendicular to grain	1 5/8		2	2 1/4
Spacing between Rows of Fasteners – In-line	7/8		1	1 1/8
Spacing between Rows of Fasteners – Staggered ²	1/2			5/8

SI: 1 in = 25.4 mm

1. Edge distances, end distances and spacing of fasteners shall be sufficient to prevent splitting of the wood or as shown in this table, whichever is the more restrictive.

2. Values for “*Spacing between Rows or Fasteners-Staggered*” apply where the screws in adjacent rows are offset by one-half of the “*Spacing between Fasteners in a Row*”.