

Strong-Wall® Site-Built Portal Frame System  
Hardware Installation Instructions



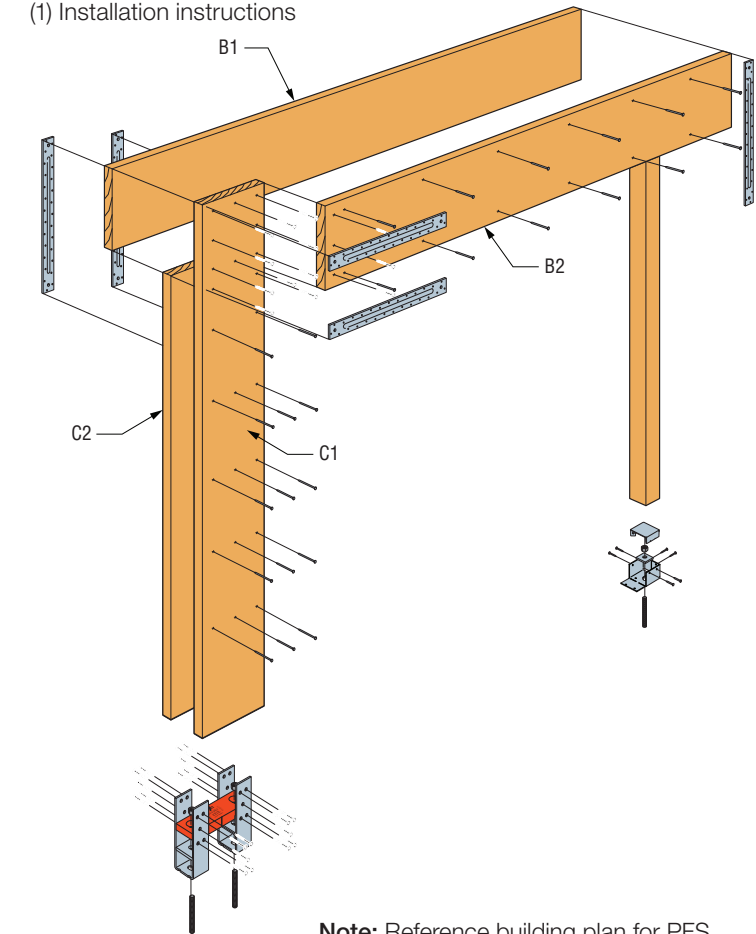
Single-Wall Portal



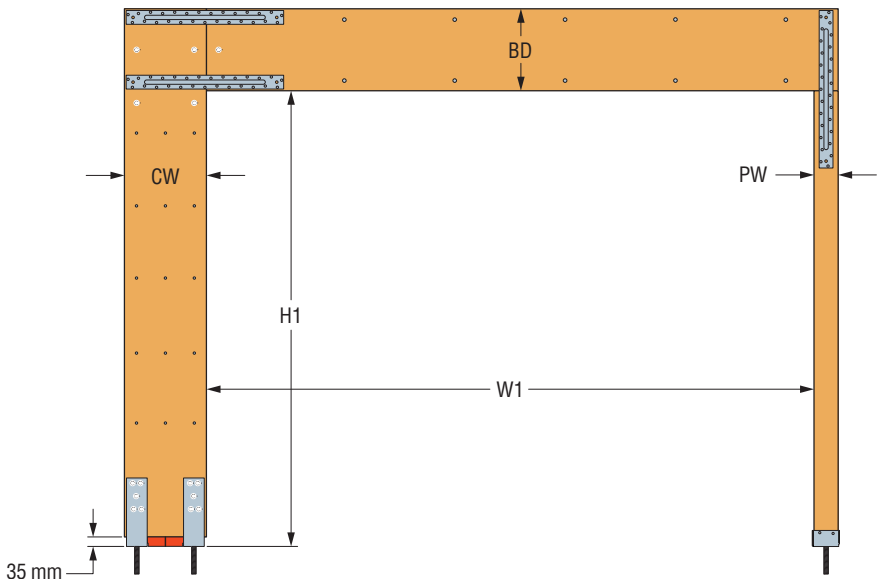
Single-Wall Portal Frame Kit

- (2) Holddown assemblies
- (2) Orange composite standoff bases\*
- (5) Moment connection straps
- (1) Adjustable post base (ABW44Z)
- (33) SDW22300 truss-ply screws
- (8) SD9112 Connector screws
- (1) 6-lobe T40 driver bit
- (1) Installation instructions

\*Extra composite standoff bases included. Only use the base that corresponds to the column width and discard extra base(s).



**Note:** Reference building plan for PFS model and framing material type.



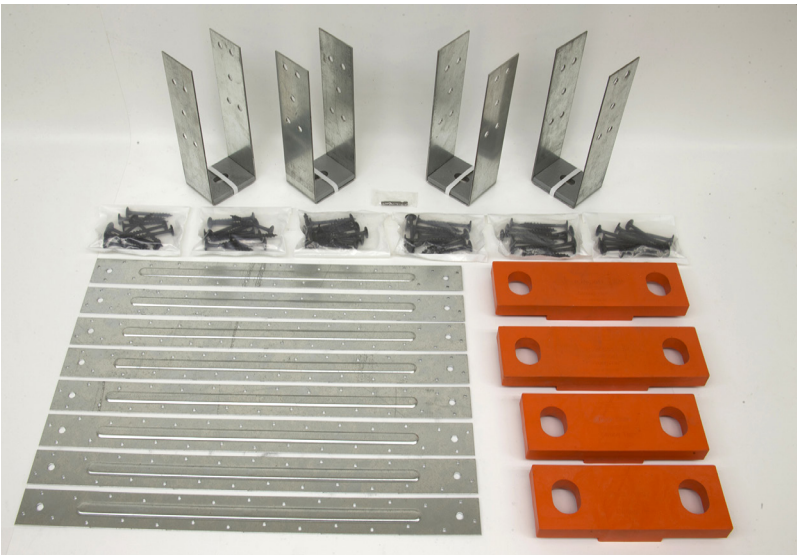
Single-Wall Portal Installation

Single-Wall Portal Cut Lengths

- Tall column (C1) = H1 + BD – 35 mm
- Short column (C2) = H1 – 35 mm
- Long beam (B1) = W1 + CW + PW
- Short beam (B2) = W1 + PW

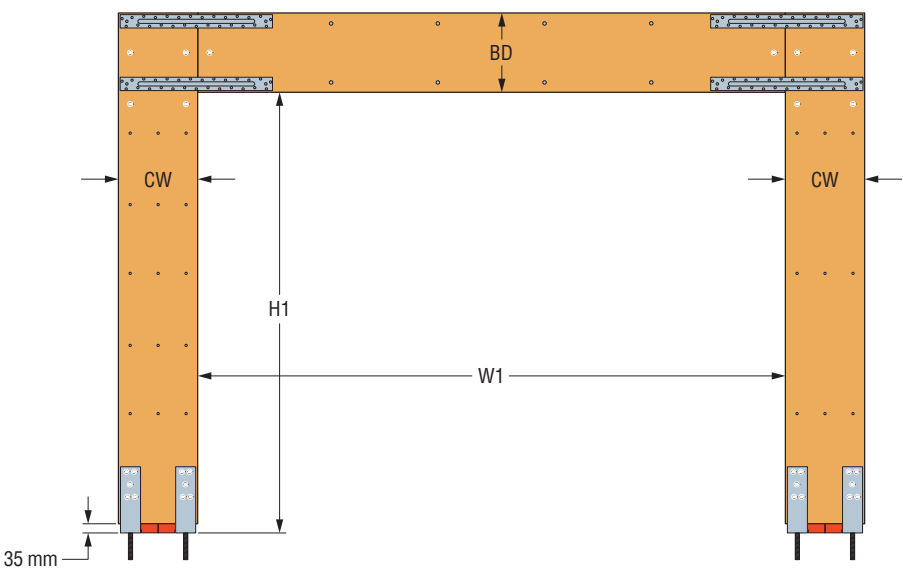
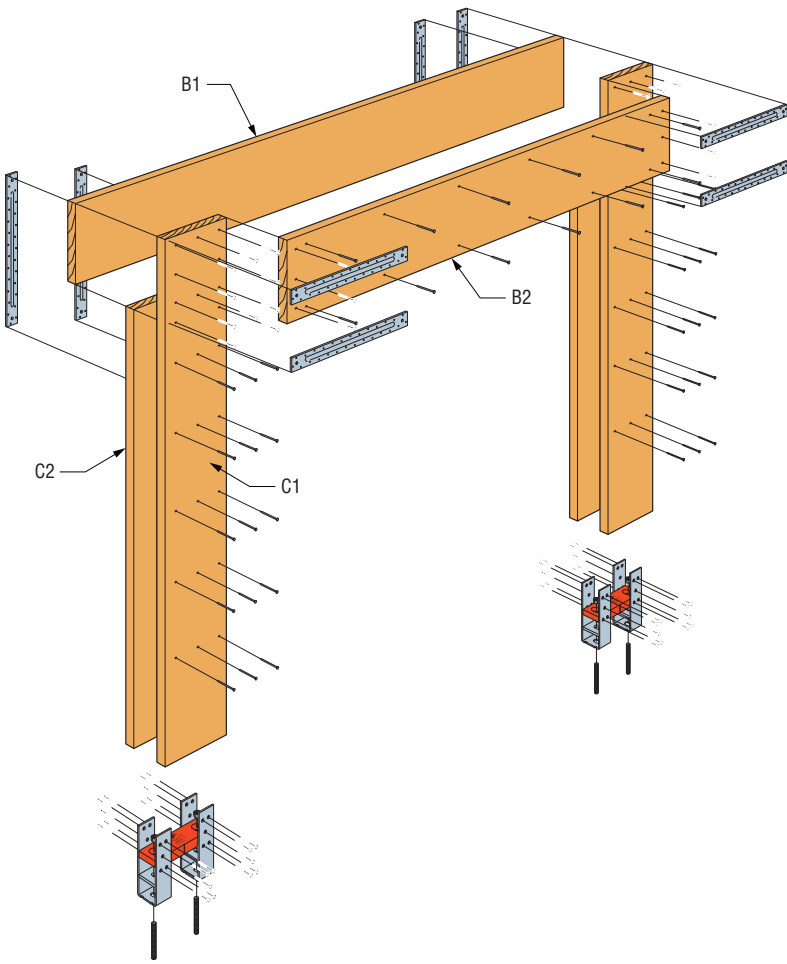
**Legend:**  
BD = Beam Depth      H1 = Opening Height  
CW = Column Width    W1 = Opening Width  
PW = Post Width

Double-Wall Portal



Double-Wall Portal Frame Kit

- (4) Holddown assemblies
- (4) Orange composite standoff bases\*
- (8) Moment connection straps
- (66) SDW22300 truss-ply screws
- (1) 6-lobe T40 driver bit
- (1) Installation instructions



Double-Wall Portal Installation

Double-Wall Portal Cut Lengths

- Tall column (C1) = H1 + BD – 35 mm
- Short column (C2) = H1 – 35 mm
- Long beam (B1) = W1 + CW + CW
- Short beam (B2) = W1

The drawing illustrates the assembly of a bracket. It consists of two light blue L-shaped metal plates. A red rectangular plate is positioned horizontally between the two L-plates. A black rectangular plate is positioned below the red plate, also between the two L-plates. A bolt is inserted through the top flange of the left L-plate, through the red plate, through the black plate, and through the top flange of the right L-plate. A nut is threaded onto the end of the bolt on the right side, securing the assembly.

