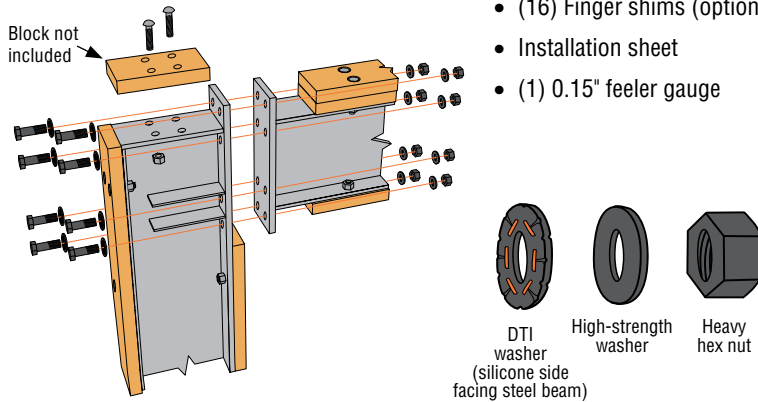


Installation Information

Each Strong Frame™ ordinary moment frame includes all the hardware necessary for assembly:

- (16) 7/8" x 3" high-strength bolts ASTM A325
- (16) 7/8" dia. heavy hex nuts
- (16) High-strength washers
- (8) 5/8" dia. cut washers
- (16) Direct Tension Indicator (DTI) washers (optional – see page 12)
- (12) 5/8" dia. heavy hex nuts
- (4) 5/8" x 2 1/2" carriage bolts
- (16) Finger shims (optional)
- Installation sheet
- (1) 0.15" feeler gauge



Installation Instructions

1. Install anchorage into the footing per the Designer's specifications. See pages 21 and 25 for more information on anchorage options.
2. Remove the form template OMF-TPL and install 5/8" dia. heavy hex nuts onto the anchors, lowering them all the way down to the concrete. These will be used to level the frame.
3. Lay out the components of the Strong Frame™ moment frame horizontally for assembly prior to positioning onto the anchor bolts.
4. Bolt the columns and beams together using high-strength bolts and washers (included) in accessible holes. Optional DTI washers are also included and should be used where required (see page 12). Do not fully tighten at this time.
5. Lift the frame (using proper equipment) and position it onto the anchor bolts, so that it rests on the first set 5/8" heavy hex nuts. The top nailer should be 1 1/2" below the top of adjoining walls.
6. Provide temporary diagonal bracing of the moment frame, as required, until it is tied into the floor or roof framing above.
7. Install the remaining bolts connecting the columns and beam, do not fully tighten at this time.
8. Plumb one column and adjust the temporary bracing as required. Install the 5/8" heavy hex nuts and washers onto the anchor bolts and fully tighten with wrench (1/2 turn past finger tight).
Note: A 3/4"–2" gap is required under each baseplate for non-shrink grout (1 1/2" typical)
9. Plumb the second column and level the beam, making sure to keep the column plumb. Install the remaining 5/8" heavy hex nuts onto the anchor bolts, finger-tight against the base plate.
10. Return to the first column and fully tighten all 7/8" column-to-beam bolts. (See page 12 for information on bolting and the use of DTI washers.)
11. Check that the beam is still level and the second column is plumb, and adjust the temporary bracing on the second column as required.
12. Fully tighten the 7/8" column-to-beam bolts and then the nuts on the anchor bolts on the second column. (See page 12 for information on bolting and the use of DTI washers.)
13. Install non-shrink grout under each base plate (3/4" minimum) following the manufacturer's instructions and local building codes (may require inspection).
14. Install wood nailer blocks on top of each column, using the carriage bolts provided (12" and 15" columns have four bolt holes, only two bolts required).

