

LONGITUDINAL (V)

When using the 1100 wet set bracket, simply install the bracket in runner/footer or when installing in cured concrete, use the 1100 dry set bracket. The 1100 dry set bracket is attached to the concrete using (2) 1/2" X 3" concrete wedge bolts. Place the bracket in desired location. Mark bolt hole locations, then using a 1/2" masonry bit, drill a hole to a minimum depth of 3". Be sure all dust is blown out of the holes. Place wedge bolts into drilled holes, then place 1100 bracket onto wedge bolts and start wedge bolts. Take a hammer and lightly drive the wedge bolts down by hitting the nut (Do not hit the top of threads on bolt). Complete by tightening the nuts.

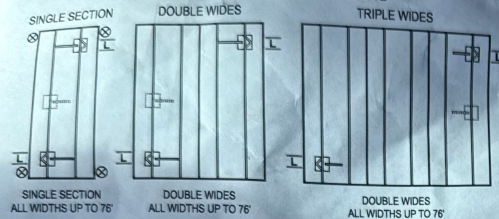
LONGITUDINAL (SOLO)- Dry Concrete Only

Position longitudinal concrete bolt for installation and drill 1/2" hole, 3" deep into concrete. Make sure that the Longitudinal bolt is centered under the IBEAM. Be sure all dust is blown out of the holes. Place wedge bolt into drilled hole. Make sure starter nut is threaded onto wedge bolt. Then, lightly hammer wedge bolt into concrete. Leave approximately 1" of wedge bolt threads above surface. Remove starter nut from wedge bolt and follow applicable instructions based on system being installed.

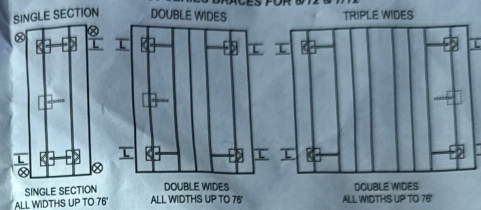
LATERAL (Transverse Arm)

For wet set installation set the transverse connector bracket into runner/footer at desired location. For dry set installations, the transverse connector bracket is attached to the concrete using (2) 1/2" X 3" concrete wedge bolts. Mark bolt hole locations, then using a 1/2" masonry bit, drill a hole to a minimum depth of 3". Be sure all dust is blown out of the holes. Place wedge bolts into drilled holes, then place transverse connector bracket onto wedge bolts and start wedge bolt nuts. Take a hammer and lightly drive the wedge bolts down by hitting the nut (do not hit the top of threads on bolt). Complete by tightening the nuts.

REQUIRED NUMBER AND LOCATION OF MODEL 1100 SERIES BRACES FOR 4/12 & 5/12



REQUIRED NUMBER AND LOCATION OF MODEL 1100 SERIES BRACES FOR 6/12 & 7/12



LEGEND

1. Approximate location of the system (See note H)
2. Location of ASF Model 1100 (Lateral and Longitudinal Bracing) or 1100 T (Lateral only)
3. Location of additional ASF Model 1100 T System (Lateral only) for homes exceeding 76' in length or with roof pitch between 4.37/12 (20°) and 5/12. the additional system is to be installed at approximately the midpoint of the house and may be installed at either exterior beam.
4. Installation of single wide homes require two (2) anchors per side located not more than ten (10) feet from each end (with a minimum of 3150 load rating)

NOTE:

- A. Installation of the longitudinal system eliminates the need for the longitudinal anchors.
- B. Installation of the transverse system eliminates the need for all lateral anchors, diagonal frame ties and stabilization plates except when noted. (Note C)
- C. All other home manufacturer's instructions for installation of stabilizing devices must be followed, including installation of vertical tie-down anchors, and mating line column, shear wall or center-line tie-down anchors. NOTE WIND ZONE II: ALL VERTICAL ANCHORS (NOT TO EXCEED 8' SPACING) MUST BE INSTALLED PER MANUFACTURERS INSTALLATION INSTRUCTIONS!
- D. If the home manufacturer's installation instructions are not available, the home must be installed in accordance with any state promulgated rules or as required by the authority having jurisdiction.
- E. When the length of home exceeds 76', sidewall height exceeds 96" or the roof pitch is between 4.37/12 (20°) and 5/12, add 1 transverse system (see location diagrams above) 6/12: a total of 4 Transverse & 3 Longitudinal systems are needed & 7/12: a total of 5 Transverse & 3 Longitudinal systems are needed. (Longitudinal portion only required when longitudinal bracing is required by home manufacturer).
- F. An alternative method using the 1100 CVD anchors (dry set) or 1100 CVW (wet set) may be used on a footing size of 16" diameter x 24" depth. These brackets are designed for lateral and longitudinal protection.
- G. It is recommended that the systems be installed at the 2nd pier in from each end of the house. However, they may be installed at any location at least 2', but not more than 1/4 the house length, in from the ends of the home.

STATE OF MICHIGAN ONLY: As required by Section 1805.2 of the 200 Michigan Building Code, the depth of the footer shall be a minimum depth of 42" below grade, except that the authority having jurisdiction may approve a lesser depth based on known prevailing soil and weather conditions, or as provided by the exception under Section 1805.2.1 of the Code.

STATE OF NORTH CAROLINA ONLY: Tubing must be galvanized and, when the manufacturer's installation instructions are not available, vertical wall tie-downs must be installed not to exceed 8' on center. (Wind Zone II)

STATE OF NORTH IDAHO ONLY: Concrete must be a minimum of 8" in depth.

