Floor to Masonry/Concrete

1. Holdown load values are based on a 3" thick vertical member. See the current Simpson Strong-Tie® Wood Construction Connectors catalog for load based on different wood thickness. Post design by Specifier.

2. HETA will require a 30° bend and a 4" minimum embedment depth in a concrete tie beam only. Loads based on SP lumber only. Strap may be bent one full cycle only.

3. MSTCM requires attachment to a minimum 3" wide member.

4. When nailing a strap over a 30° angle (Field-bent at a 30° angle for holdown application) wood structural panel sheathing, use 2½" long nail minimum.

5. For concrete applications use 1¼"x1¼" Titen® screws.

6. ATR—All-Thread Rod. The Designer must specify anchor type, length and embedment.

7. Standard cut washer is required with the adhesive anchor for CMU bond beam.

8. THDRC listed for use with 8" concrete tie beam, 1½" end distance, uncracked concrete with no supplementary reinforcement and 2,500 psi concrete minimum. Designer shall specify anchor type, length and embedment to the 1½" All-Thread Rod.

THDRC listed for use with 8" concrete tie beam, 1½" edge, 8" end distance, uncracked concrete with no supplementary reinforcement and 2,500 psi concrete minimum. Designer shall specify anchor type, length and embedment to the 1½" All-Thread Rod.

Standard cut washer is required with the adhesive anchor for CMU bond beam.

TITEN® SCREW WARNING: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, use this product in dry and noncorrosive environments only, provide moisture barrier, or use a stainless-steel fastener. Steps must be taken to prevent inadvertent sustained loads above the listed allowable loads. Overtightening and bending moments can initiate cracks detrimental to the hardened screw’s performance. Use the Simpson Strong-Tie® Titen® installation tool kit (Part TTNT01); it has a bit that is designed to reduce the potential for overtightening the screw.

Refer to pages 9–12 for important considerations regarding castings on connectors attached to preservative-treated wood.