

SPARTAN™ SILL PLATE ANCHOR INSTALLATION:

- 1 Clean the top surface of sill plate and mark the SPARTan™ anchor location(s).
- 2 Use a rotary hammer drill and SPARTan™ stepped drill bit (sold by QuickTie™ Products, Inc., see Figure 39) to drill a hole in the sill plate. Stop and remove wood dust as necessary (see Figure 40).

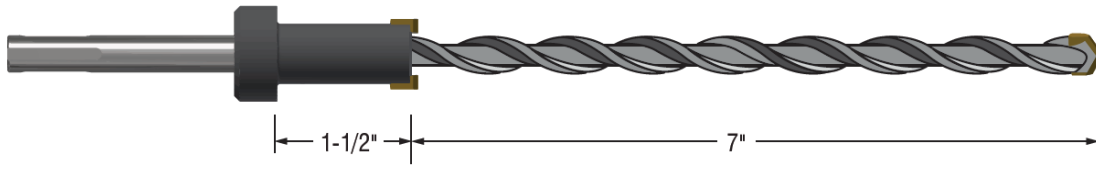


FIGURE 1. PROPRIETARY SPARTAN™ DRILL BIT (SUPPLIED BY QUICK TIE PRODUCTS, INC.)

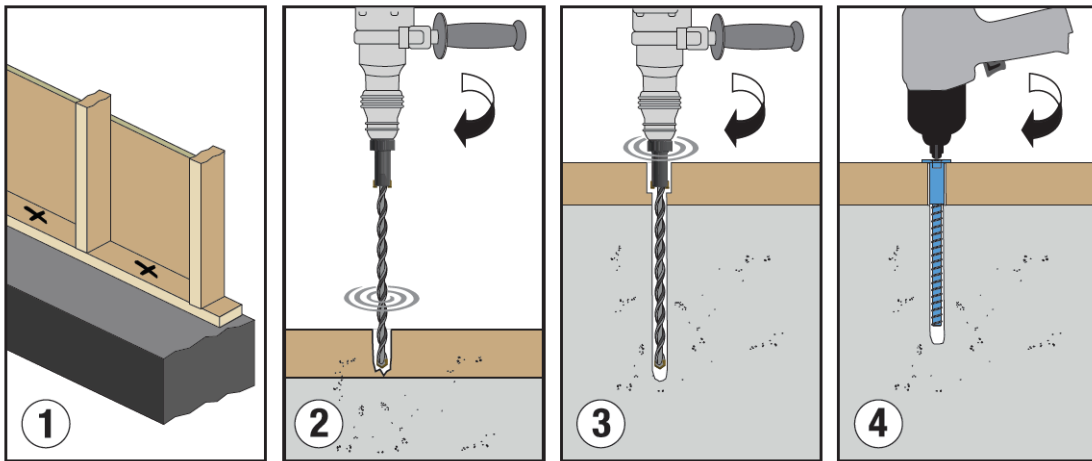


FIGURE 2. INSTALLATION OF SPARTAN™

- 3 Once the drill bit hits concrete, take precaution not to overwork the drill and/or drill bit. Intermittently, stop and clean concrete dust from the hole. If necessary, use compressed air (or other means) to remove debris around hole. Stop drilling when the wood bit stopper hits the top surface of sill plate. Over drilling may damage the carbide tips of wood bit.
- 4 Install SPARTan™ anchor using an impact gun with square drive bit. Stop once the anchor flange hits the top surface of sill plate. Note: Appropriate Personal Protection Equipment (PPE) must be worn.

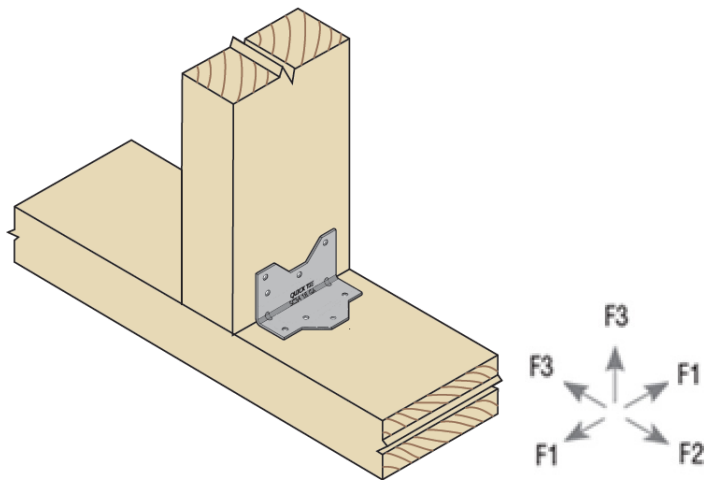
SC 34 FRAMING ANGLE

- 1 Install framing angle using the type and number of fasteners as specified in the table below to achieve the values indicated.

Species (Specific Gravity)	Fasteners		Allowable Load (lbs)					
			Load Direction F1		Load Direction F2		Load Direction F3	
	Type	Total	Load Duration Factor					
			1.00	1.60	1.00	1.60	1.00	1.60
SP (0.55)	8d x 1½ (0.131 x 1.5")	8	425	685	425	685	215	323
DF-L (0.50)	8d x 1½ (0.131 x 1.5")	8	395	630	395	630	170	255
SPF (0.42)	8d x 1½ (0.131 x 1.5")	8	340	545	340	540	110	175

SI: 1 in = 25.4 mm, 1 lb = 4.4575

1. Tabulated loads are per connector.
2. Connectors are required on both sides of the joist to achieve the F3 loads in both directions.
3. When connectors are installed directly across from each other on both sides of the joist, the thickness of the joist should be twice the length of the fastener.
4. Refer to figure below for an illustration of directions F1, F2, and F3.





HDTT45 HOLD DOWN

- 1 Install hold down using the type and number of fasteners as specified in the table below to achieve the values indicated.

Species (Specific Gravity)	Fasteners				Allowable Load ^{1,2} (lbs)	
	Nail		Rod		Floor	Roof
	Type	Quantity	Type	Quantity	1.0	1.6
SP/DF-L (0.50)	16d x 2½ (0.162 x 2.5")	26	⅝" diameter	1	4,480	5,770
HF/SPF (0.42)					3,900	5,025
SI: 1 in = 25.4 mm, 1 lb = 4.45 N						
1. Connector deflection is limited to 0.225 inches.						
2. Minimum wood member size is 3" x 3.5" (2x4, 2-ply)						