

- 1 Light Tension Tie (LTT20B): Light Tension Tie (LTT) is manufactured in a length of 20". The ties are used to connect wall bottom plates to studs or joist/purlin-to-wall attachment applications. Each strap is 2" wide with nail holes and a 2"x21/4"x3/16" washer is riveted to the base. The LTT is 12 gauge (minimum thickness with coating 0.0994"). The LTT20B is manufactured from minimum ASTM A653, Structural Steel, Grade 50, Class 3 ($F_u = 70$ ksi, $F_y = 50$ ksi) steel galvanized with G90 or better zinc coating (Figure 1). See Table for fastener schedules.

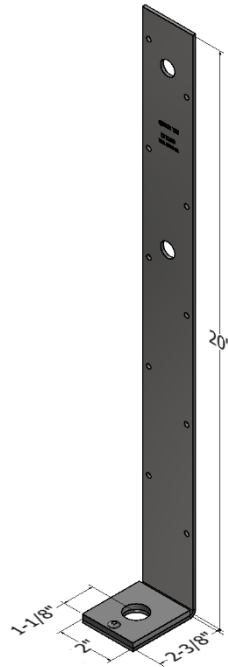


FIGURE 1. LIGHT TENSION TIE (LTT20B)

- 2 *Quick Connector Light Tension Tie (LTT)*: Allowable uplift loads and fastener schedules for the LTT20B are provided in Table 1. LTT20B Allowable Loads. Figure 2 shows the LTT20B in the installed condition.

TABLE 1. LTT20B ALLOWABLE LOADS

Species (Specific Gravity)	Fasteners				Allowable Load ^{2,3,4} (lbs)	
	Nail		Anchor Bolt ^{5,6}		Uplift	
	Type	Quantity	Type	Quantity	1.0	1.6
SP (0.55)	10d x 1 ¹ / ₂ (0.148 x 1.5")	10	¾" diameter	1	1,120	1,120
DF-L (0.50)					1,050	1,050
SPF (0.42)					920	920

SI: 1 in = 25.4 mm, 1 lb = 4.45 N

- Refer to Appendix A: General Notes for Tables.
- Allowable loads based on connector attached to 2x4 member from 1" above the base (i.e. no resistance from prying action).
- Total deflection of connector assembly at allowable loads are 0.153" (SP), 0.148" (DF-L), and 0.138" (SPF).
- Anchor bolt installation into any substrates should be designed to resist the allowable uplift loads.
- Washer size is 2¼" x 2" x ⅜" with a ⅜" diameter hole.

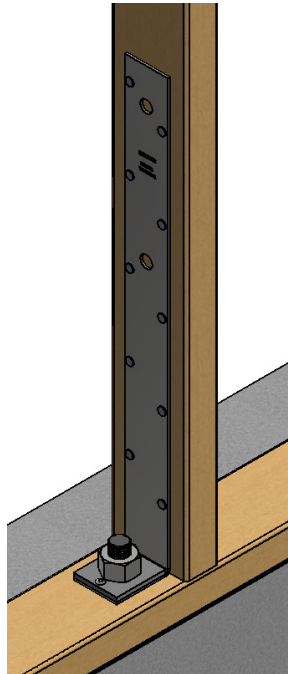


FIGURE 2. INSTALLED LTT20B