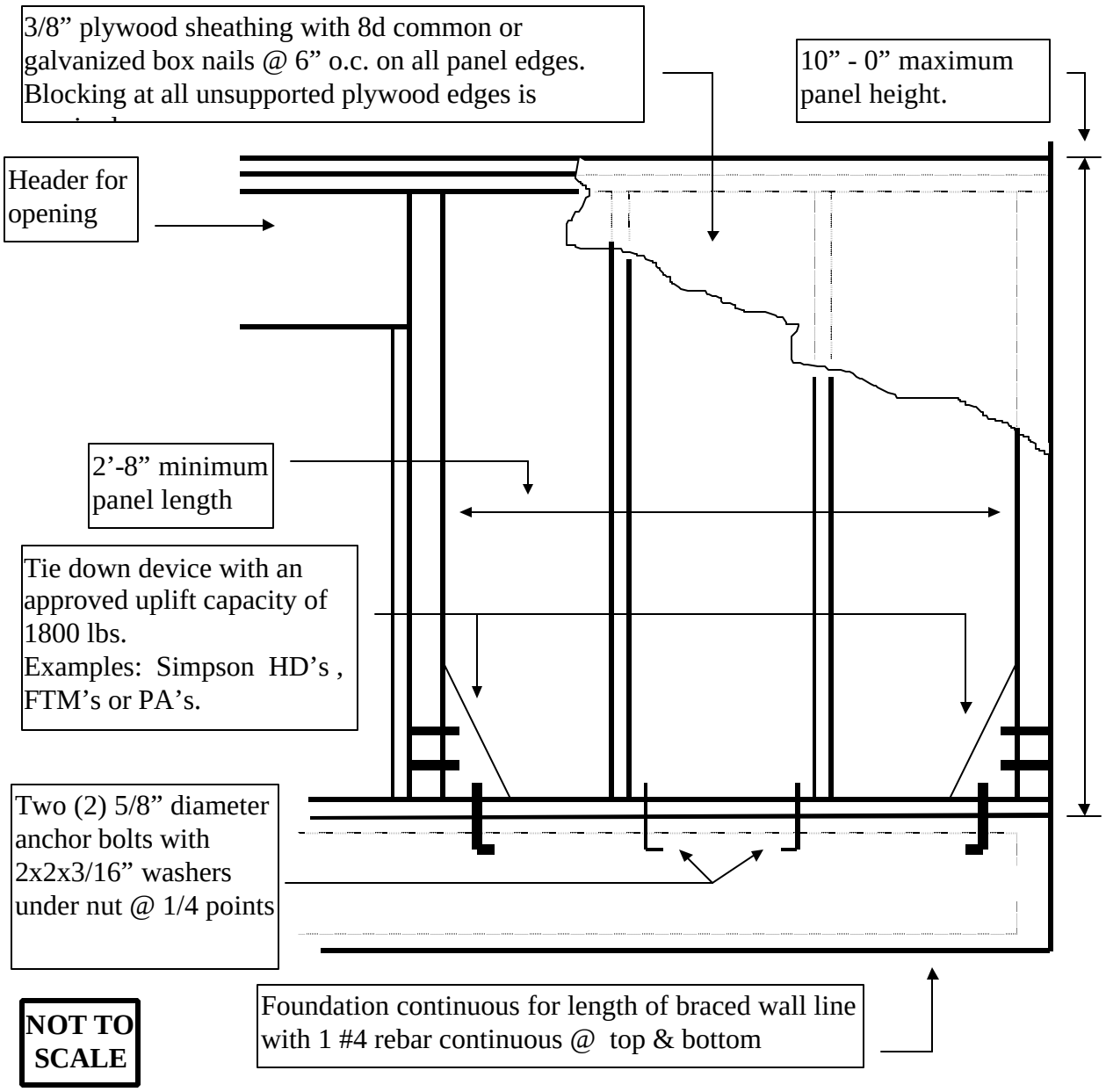
City of Arcata, California

Building Division Informational Handout

Alternative Braced Wall Panel
Single Story

ALTERNATE BRACED WALL PANEL @ ONE STORY BUILDING
SECTION 2320.11.4



NOT TO SCALE

In one-story buildings, each panel shall have a length of not less than 2'- 8" and a height of not more than 10'. Each panel shall be sheathed on one face with 3/8' minimum-thickness plywood sheathing nailed with 8d common or galvanized box nails in accordance with Table 23-I-Q and blocked at all plywood edges. Two anchor bolts installed in accordance with Sec. 1806.6, shall be provided in each panel. Anchor bolts shall be placed at panel quarter points. Each panel end stud shall have a tie-down device fastened to the foundation, capable of providing an approved uplift capacity of not less than 1,800 pounds. The tie-down device shall be installed in accordance with the manufacturer's recommendations. The panels shall be supported directly on a foundation or on floor framing supported directly on a foundation which is continuous across the entire length of the braced wall line. This foundation shall be reinforced with not less than one NO. 4 bar top and bottom. **Panels shall be supported directly on a foundation or on floor framing supported directly on a foundation.**