

Ancillary provisions

bottom edges.

- (e) Fixings for attaching a waling plate to an *external wall* must be—
- (i) for timber *external wall* frames with a minimum stress grade of F5 or MGP 10, No. 14 partial threaded self-drilling screws so that each screw is embedded not less than 44 mm into the joist or bearer member (see Figure 12.3.2a); and
 - (ii) for steel *external wall* frames, 8.8/S M12 bolts with not less than 3 mm thick 55 mm diameter washers; and
 - (iii) for a core-filled masonry *external wall*, 4.6/S M12 chemical or expanding/mechanical anchors with—
 - (A) a minimum 2 kN working load capacity in shear and 1.5 kN in tension; and
 - (B) not less than 3 mm thick 55 mm diameter washers placed on the waling plate under the anchor head (see Figure 12.3.2b).
- (f) Fixings used for attaching waling plates to *external walls* must be—
- (i) stainless steel where the building is located within 200 m of *breaking surf*; or
 - (ii) hot-dipped galvanised, stainless steel or monel metal for all other areas.

Figure 12.3.2a: Methods of attachment — No. 14 partial threaded self-drilling screws into a timber framed external wall

