Typically 2400
(Panel size maybe reduced to match location)

Post to post connection
Refer Detail C

Rail to post connection
Refer Detail D

Post (refer note 2.3)

12Ø hole in post
And sleeve parallel to line of fence

Galvanized M10x70 long bolt and nut through post
And sleeve (see note 10)

Concrete footing

65x65x6
Galvanized SHS
footing sleeve

Note:
Alternatively: post may be secured in sleeve
With steel wedges

NOTES:
1. Ideally this fence should only be used away from roads (in parks etc.) or adjacent roads with posted speeds of less than or equal to 50km/h. May be used in higher speed environments when placed behind a suitable crash barrier.

2. This standard is not for use in a marine environment. The marine environment could extend up to 1 km from the foreshore.

3. Gate, end & intermediate posts to be 50x50x2 powder coated steel section to AS1163 u.n.o.

4. Fence rails to be 38x25x2.5 powder coated steel section to AS1163 u.n.o.

5. Panels to be fixed to posts using manufacturer supplied socket connectors or 25 wide 35x35x2 galvanized mild steel ‘L’ brackets. Both connectors to be attached with galvanized 12-14x20mm hexagon head self drilling screws.

6. Panels to be 2400x1050 with 19 diameter pickets (rounded top style) or 2400x1200 with 16 diameter pickets (flat top style).

7. Pickets to pass through top and bottom rail and be secured to top and underside of rail with 6mm spot weld.

8. Hot dip galvanising: ferrous open sections to AS4791, ferrous hollow sections to AS4792.

9. Fence panels and posts to be powder coated to AS4506 to match colour co-ordination in the area. N65 graphite grey or N61 Black to AS2700-1996.

10. All concrete to be grade N25.

11. Posts are to be vertical.

12. Post spikes, where used, are to be installed to manufacturers specification. Where sleeves are used, posts are to be secured with bolts as shown or steel wedges.

13. Nuts (where used) to be spot welded to bolts as an anti-theft deterrent.

14. Raked panels are available for slopes up to 1 in 5. For steeper grades, custom panels may be required.

15. These fences are intended as a pedestrian barrier and are not to be used in situations where motor vehicles require restraint. Design working load to be 0.6kN or 0.75kN/m along panels.

16. 100mm wide reflective tape to be applied to end posts where vehicle traffic conflict may occur.

17. Dimensions in millimetres (Unless noted otherwise).

18. Aluminium posts and panels to be designed and certified by manufacturer to suit design loads as per AS1170.1.