NOT TO SCALE

VicRoads Drawing No.
02/2019

ROAD SAFETY BARRIERS
CONCRETE BARRIERS - F-SHAPE
MANUFACTURE - PRECAST

REFERENCES AND NOTES:

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

2. CONCRETE BARRIER CONSTRUCTION METHOD MUST BE PRECAST.

3. CONCRETE BARRIER CONSTRUCTION REQUIRES A SITE SPECIFIC DESIGN AND APPROVAL CONSIDERING ALL SHAPE (SD3901) AND INSTALLATION (SD3902) REQUIREMENTS.

4. GRADE MUST BE VR330/N3 IN ACCORDANCE WITH AS/NZS4690, WEIGHT OF BARRIER TO BE DETERMINED BY MANUFACTURER.

5. SPACING: EQUAL UNLESS NOTED OTHERWISE.

6. SURFACE FINISH MUST BE CLASS 3 IN ACCORDANCE WITH SECTION 610 OF VICROADS SPECIFICATIONS.

7. DESIGN OF REINFORCING STEEL MUST BE IN ACCORDANCE WITH AS 5100.1.

8. NUMBER OF LONGITUDINAL REINFORCEMENT BARS MUST BE DETERMINED IN ACCORDANCE WITH AS/NZS4671.

9. COVER: 50mm IN ACCORDANCE WITH AS/NZS4671.

10. GRADE: VR330 (NORMAL DUCTILITY) TO AS/NZS4671.

11. GRADE MUST BE VR330/32 IN ACCORDANCE WITH SECTION 610 OF VICROADS SPECIFICATIONS.

12. CONCRETE: EXPOSURE CLASSIFICATION MUST BE B1 MINIMUM.

13. LIFTING: LIFTING ANCHORS MUST BE HOT DIP GALVANISED IN ACCORDANCE WITH AS/NZS4680. WEIGHT OF BARRIER TO BE DETERMINED BY MANUFACTURER.

14. A SPREADER MUST BE USED TO ENSURE THAT SLINGS ARE ALWAYS VERTICAL DURING LIFTING AND PLACING OF BARRIER UNITS.

15. MINIMUM COVER TO REINFORCEMENT MUST BE MAINTAINED AT LIFTING ANCHOR RECESS.

16. PIN AND LOOP SHOWN ON THIS DRAWING FOR DIAGRAMMATIC PURPOSES REFER TO SD3904 FOR DETAILS.

17. PERFORMANCE LEVEL BARRIERS MUST BE DESIGNED TO FULLY COMPLY WITH THE REQUIREMENTS OF AS/NZS4671 irrespective of these drawings.

18. LIFTING ANCHORS MUST BE DESIGNED IN CONJUNCTION WITH THE REINFORCEMENT TO PREVENT CLASH.

19. PROVISIONS FOR DRAINAGE (E.G. DRAINAGE SLOTS) REQUIRE A SITE SPECIFIC DESIGN.

20. OTHER: PROVIDES FOR DRAINAGE (E.G. DRAINAGE SLOTS) REQUIRE A SITE SPECIFIC DESIGN.

DECLAIMED

THE DRAWING DOES NOT COVER PERFORMANCE LEVEL BARRIERS WHICH SHALL BE DESIGNED TO FULLY COMPLY WITH THE REQUIREMENTS OF AS/NZS4671 IRRESPECTIVE OF THESE DRAWINGS