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Rhino Security Fencing - Crash Rail System

SUV Impact Protection with Aesthetic Appeal

Specifications

- Crash tested to demonstrate compliance with AS/NZS 2890.1: Parking Facilities – Off Street Car Parking.
- Compliant to the 40kN impact load (Type G) described in AS/NZS 1170.1: Structural Design Actions, Part 1.
- Compliant to the 30kN impact load (Type F) described in AS/NZS 1170.1: Structural Design Actions, Part 1.
- Crash tested with a 2000kg vehicle impacting the barrier 1m above floor level, travelling at 20km/h at an angle of 90 degrees.
- System height: 1100mm.
- Post spacing: 2.3m.
- Number of anchor bolts per post: 2 off M20, minimum embedment depth 100mm.
- Hot dip galvanised.

Features

- Crash tested on the perimeter edge of 150mm thick suspended concrete slab with no damage to the anchor bolts or concrete.
- Energy-absorbing technology prevents damage to the substrate.
- Fully modular and free-standing system.
- Provides protection against impacts from heavier vehicles with a higher centre of gravity.

AS/NZS 1170.1
Type F Compliant
30kN acting 0.5m above floor level

AS/NZS 1170.1
Type G Compliant
40kN acting 1m above floor level

DIAGRAM 1

BILL OF MATERIALS	
ITEM	DESCRIPTION
1	INTERMEDIATE PANEL 600x100x10
2	POST
3	TOP JOINER PLATE
4	BOTTOM JOINER PLATE
5	END PANEL 272x100x10
6	END ANCHOR BOLT
7	SPR JOINER BOLT
8	RIGHT ISAL EXTENSION
9	RIGHT ISAL TUBE

1 RHINO CRASH RAIL SYSTEM ... HAS BEEN APPROVED TO EXCEED THE 300kN IMPACT LOAD AS DESCRIBED IN AS/NZS 1170.1 FOR LIGHT TRAFFIC AREAS.

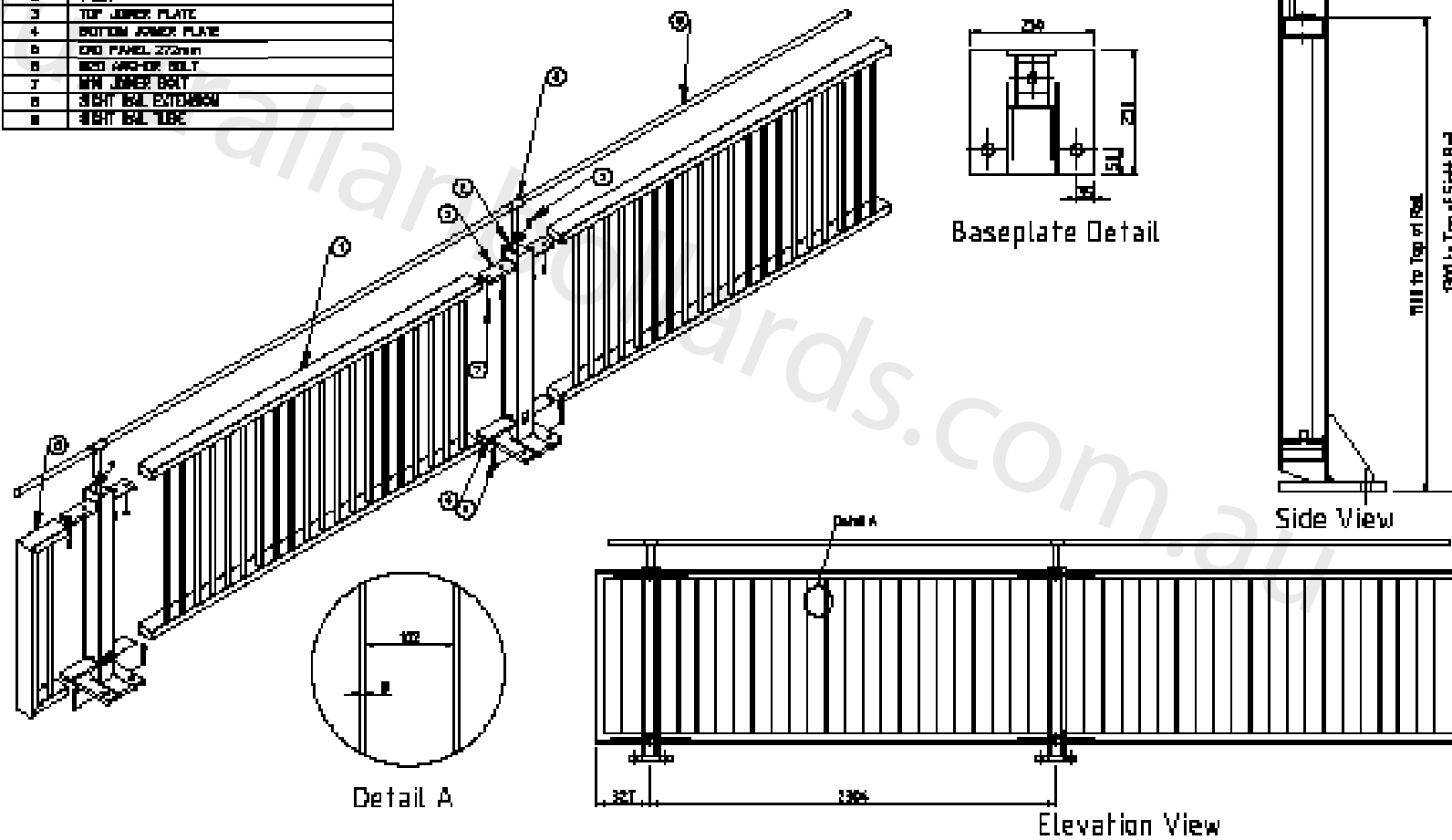


DIAGRAM 2

BILL OF MATERIALS	
ITEM	DESCRIPTION
1	ENDCORNER PANEL 1000x400
2	POST
3	TOP JOINDER PLATE
4	BOTTOM JOINDER PLATE
5	END PANEL 270x400
6	1600 RUSCHKE BOLT
7	M16 JOINDER BOLT

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