

**Concrete Strip Foundation:**

The dimensions as well as the quality of the concrete to be used are determined by the relevant requirements of the intended application. Manufacture from a frost-resistant concrete (Min C20/25) strip foundation with appropriate height and width for perfectly aligned installation. Foundation min dimensions to be 610mm wide x 300mm deep. To be used as a bearing surface for double-sided concrete crash barriers.

Concrete Crash Barrier consisting of Concrete Barrier Sections. The concrete crash barrier system described here is a system with a H2 impact level and W2 working width which has been tested in accordance with EN 1317-2.

Reinforced C30/37 concrete barriers (New Jersey shape), double-sided in accordance with TUV Test Ref. No. Y48.05.K07 and Y48.06.K07, System SPENGLER Type NJ-85DF measuring 3500mm x 610mm x 850mm (L x B x H) for use as a free standing and permanent system without any backing. The installation must allow for perfectly aligned sections which are flush on the concrete foundation, with a foundation joint (28mm dia. dowel pins @ 3500mm centres), all in accordance with the detailed design. The reinforcement must be fitted in accordance with the design.

The connection system consists of 1No. J.J hook (type L) fitted to each end of the barrier which interlock, thus providing a 1 piece joining system for speed and safety of installation. J.J hooks are fixed to the reinforcement, thus providing continuous linkage thru' the barrier.

A 28mm dia. dowel pin, 400mm long, protrudes 150mm in to the concrete foundation and is positioned to fit into the groove in the end of the barrier - 1 dowel pin per barrier. Dowels set in foundation using an approved chemical anchor adhesive.

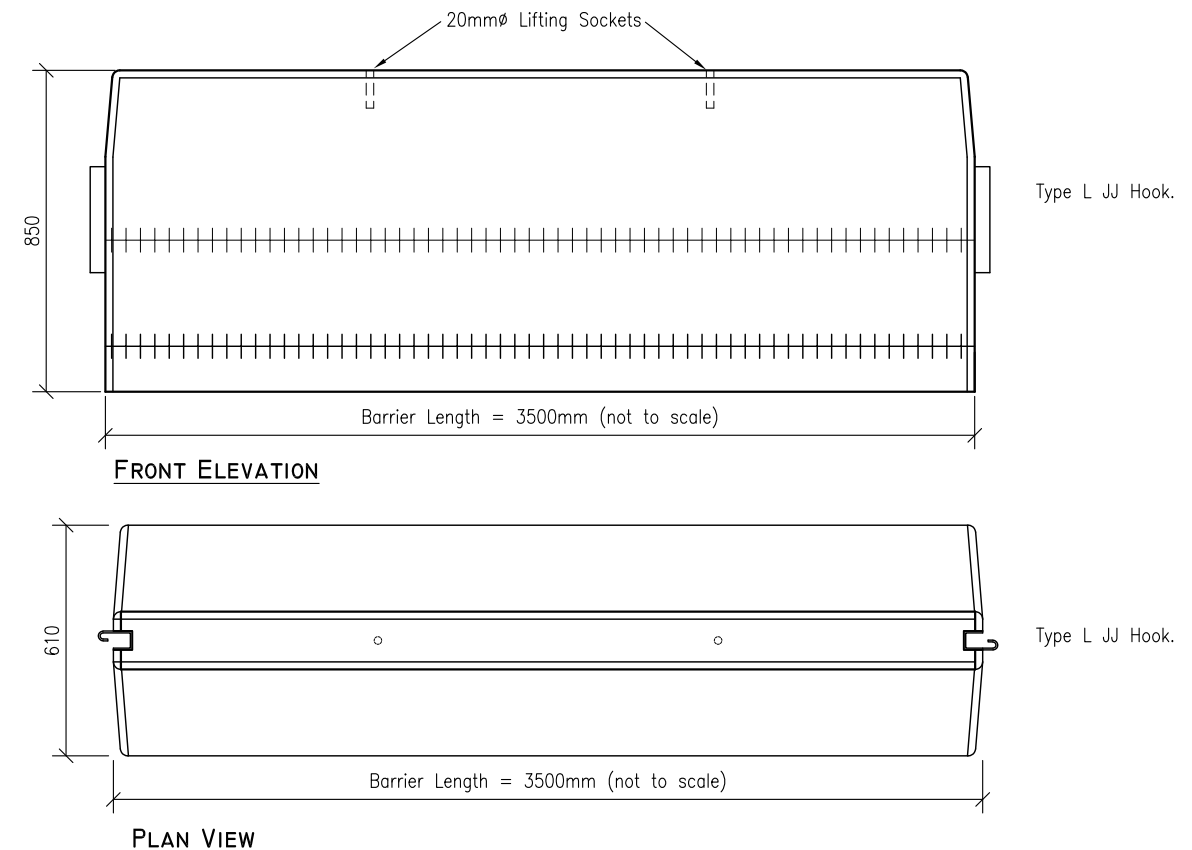
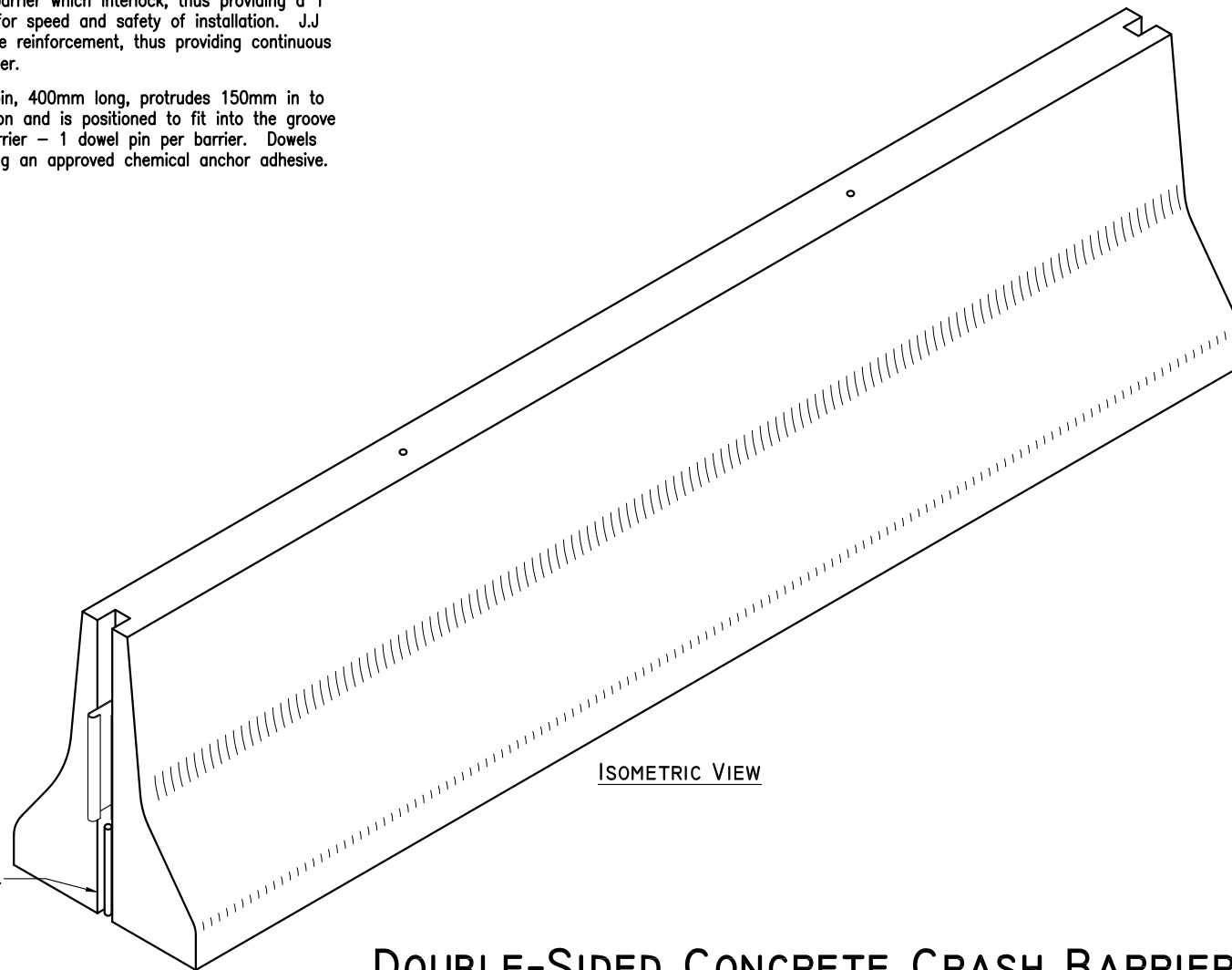
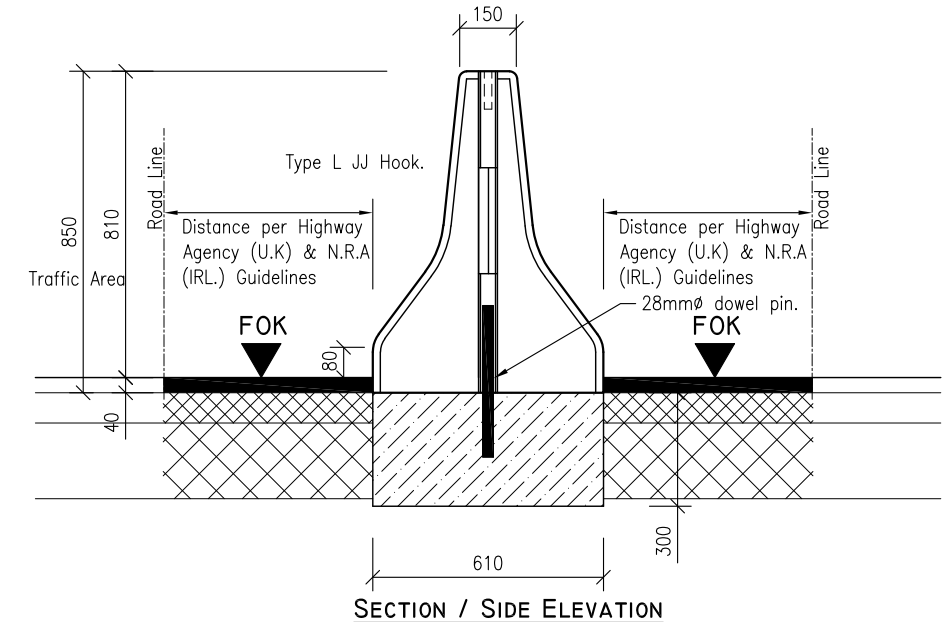
To seal the vertical joints between the barriers, install 'Ottocord PE-B2' or similar approved around the external perimeter. Then fill the joint with pourable grout, Emcecrete VM 60A by MC Chemicals or similar approved.

The barrier is placed as a free-standing construction.

Installation must be carried out in accordance with the test certificate and manufacturer's instructions to ensure that the specified impact level is achieved.

Reflectors can be fitted as required after barrier installation.

Tested successfully by TUV pursuant EN 1317-2.	
Test	
Containment Level	H2
Working Width	W2
ASI value	B
Test length	42m
TUV Test no.	Y48.05.K07_Rev.01 Y48.06.K07_Rev.01
EC Certificate of Conformity No: 0531-CPD-1317-0622	
System dimension L x W x H 3500x610x850	



## DOUBLE-SIDED CONCRETE CRASH BARRIER SECTIONS WITHOUT BACKING (FREE - STANDING)

- DO NOT SCALE USE FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS TO BE CHECKED ON SITE.
- A.P.C TO BE INFORMED OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

Revision:	Description:	Drawn By:	Date:
A	Notation amended	ND	8/3/15
B	Plan amended	ND	17/1/17

Project: Technical Data Sheet.		
Title: Type NJ 85DF System Spengler Precast Concrete Road Safety Barrier (Double Sided) H2-W2-B		
Drawing No: <b>APC - 135</b>	Revision: <b>B</b>	Date: 17-01-2017

Sheet Size: <b>A3</b>
Drawing Scale: <b>1:20</b>
Drawn By: <b>N.D.</b>
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