

Concrete Bridge Parapet consisting of Concrete Barrier Sections. The concrete bridge parapet crash barrier system described here is a system with a H4b impact level and W3 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. Y48.08.P07 and Y48.10.P07, System SPENGLER Type NJ-110-BW-30 measuring 6000mm x 680mm x 1170mm (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 foundation (bridge deck), all in accordance with the detailed design. The reinforcement must be fitted in accordance with the design.

The elements are fixed to the decking at an angle of 4% to counteract the slope of the decking. Folded steel shoes are bolted to the bridge decking using 4No. M12 bolts. 2No folded steel rebates are cast in to the underside of the barrier & a tubular bolt is fitted which connects to the steel shoe, thus connecting the barrier to the bridge decking.

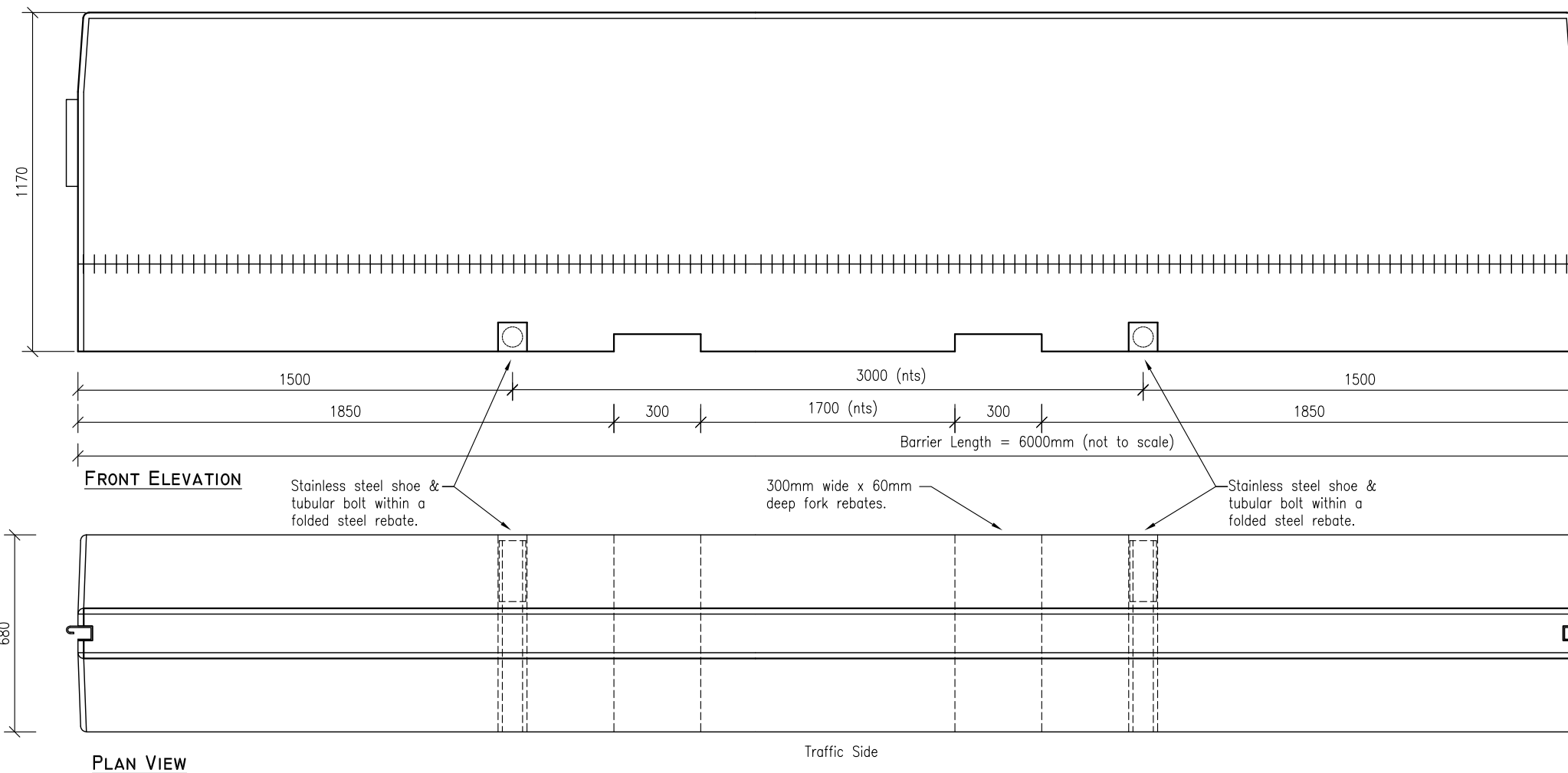
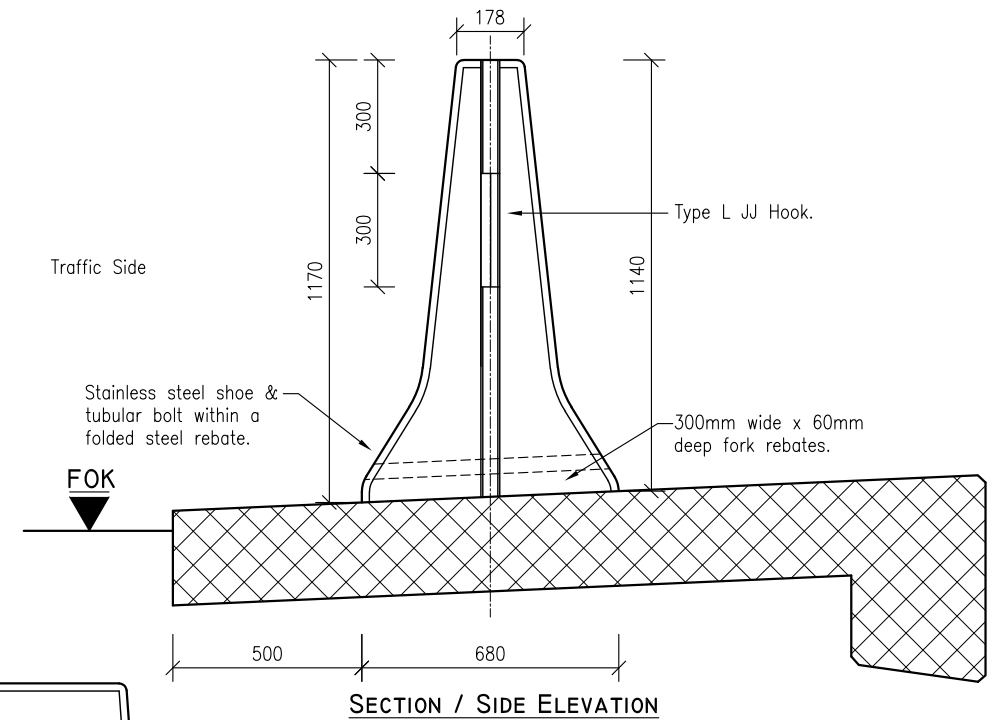
The barrier connection system consists of 1No. J.J hook (type L) fitted to each end of the barrier which interlock, thus providing a 1 piece joining system for continuous linkage thru' the barrier.

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 to be fitted as required after barrier installation.



Tested successfully by TUV pursuant EN 1317-2.	
Test	
Containment Level	H4b
Working Width	W3
ASI value	B
Test length	48.18m
Vehicle Intrusion	VI8
TUV Test no.	Y48.08.P07 Y48.10.P07
EC Certificate of Conformity No: 0531-CPD-1317-1841	
System dimension L x W x H 6000x680x1170	

- 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	Vehicle Intrusion added	ND	13/5/17

Project: Technical Data Sheet.		
Title: Type NJ 110-BW-30 System Spengler Precast Concrete Bridge Parapet. H4b-W3-B.		
Drawing No:	Revision:	Date:
APC - 136	B	13-05-2017

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APC
Ardee Precast Concrete Ltd.

Townparks, Ardee, Co. Louth.
Tel. +353(0)41 6856372
Email. info@ardeeprecastconcrete.com
www.ardeeprecastconcrete.com

Ranch House, 1 Chapel Lane,
Bingham, Nottingham, NG13 8GF
Tel. 01949 838647 Email. info@apccivils.co.uk