Deformable vehicle parapet, single sided
Containment level H4b

TUBOSIDER GRUPPO RUSCALLA

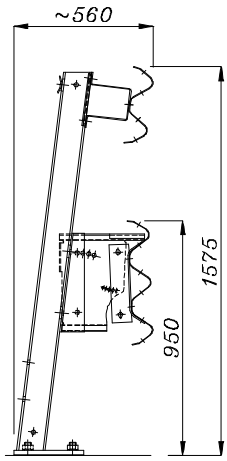
Certified according	EN 1317-1/2
Homologation according italian D.M. 223/92	43/2003

CHARACTERISTICS

Weight	kg/m	82,51
Height out of ground	mm	1575 ± 20
Depth of fixing	mm	-
Transversal overall dimensions	mm	560
Center to Center distance between posts	mm	1500
Suggested minimum lenght	m	90,0 + end sections (1)
Steel quality		S235JR - S275JR
Galvanisation		EN ISO 1461

PERFORMANCES

Containment level "Lc"	kJ	739,25 (2)	Severity Index **B**
Acceleration Severity Index "ASI"		1,4	
Theoretical Head Impact Velocity "THIV"	km/h	30,4	
Post-impact Head Deceleration "PHD"	g	14,2	
Working Width and Class "W" (permanent Working Width (3))		Heavy vehicle	Light vehicle
	m	1,46 / W5 (1,31)	0,56 / W1
Maximum lateral position of the vehicle "VI" (4)		Heavy vehicle	Light vehicle
	m	1,50	-
Dynamical Deflection "D" (Permanent Deflection)		Heavy vehicle	Light vehicle
	m	1,36 (1,21)	0,17 (0,17)
Vehicle Cockpit Deformation Index "VCDI"		RS0121110	



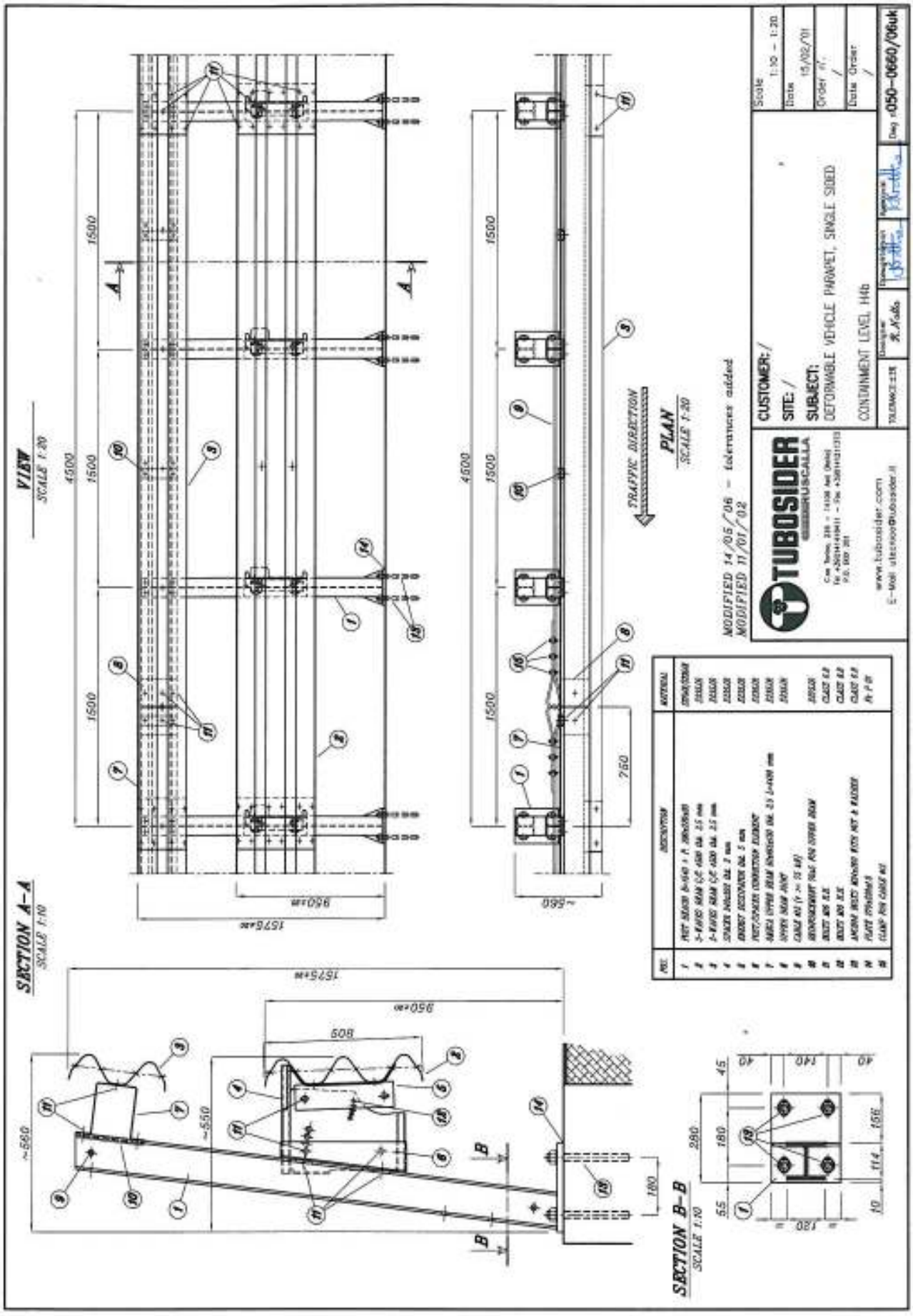
3N.TU-bpl.17 dwg. 050-0660/06

(1) When not connected to other barriers, end sections are compulsory (both for start and end section).
(2) Both the light and the heavy vehicle have been contained in the carriageway, inside the CEN box, without overturning; no ejection of main components, no intrusion of elements into the passenger compartment.
(3) It is the distance between the barrier side facing the traffic before impact and the maximum permanent lateral position of any major part of the barrier.
(4) Values according EN 1317-1/2:1998 and proposal for revision EN 1317-1/2:2006.




TEST REPORTS

Report N°	Test field - Laboratory	Date of the crash-test	Vehicle	Vehicle Mass (kg)	Impact speed (km/h)	Impact angle
TUB/BSI-45/511A	L.I.E.R. – Lyon (F)	21.05.01	Car	886	100,4	20,0°
TUB/BSI-46/512A	L.I.E.R. – Lyon (F)	22.05.01	Articulated HGV	37.170	66,4	20,0°


VIEW
SCALE 1:20
PLAN
SCALE 1:20
TRAFFIC DIRECTION
SECTION A–A
SCALE 1:10
SECTION B–B
SCALE 1:10
MODIFIED 14/06/06 – tolerances added
MODIFIED 11/01/02
CUSTOMER: /
SITE: /
SUBJECT: DEFORMABLE VEHICLE PARAPET, SINGLE SIDED
CONTAINMENT LEVEL H4b
TUBOSIDER
GRUPPO RUSCALLA
Scale 1:20 – 1:10
Date 15/02/01
Order nr. /
Date Order /
Dwg n° 050-0660/06uk