

TECHNICAL DATA

The following input loads, displacements and rotations must be checked and approved by the Structural Designer!

Forces, displacements and rotations at Ultimate Limit State
 Max. vertical load (NSd,max) Fz,max = 7146,0 kN
 Min. vertical load (NSd,min) Fz,min = 2544,0 kN
 Max. displ. along x-axis (dxd,max) dx,max = 10 mm
 Max. displ. along y-axis (dyd,max) dy,max = 5 mm
 Max. rotation around x-axis (αxd,max) rx,max = 0,0000 rad
 Max. rotation around y-axis (αyd,max) ry,max = 0,0100 rad

Forces, displacements and rotations at Seismic Ultimate Limit State
 Max. vertical load (NEd,max) Fz,max = 3522,0 kN
 Min. vertical load (NEd,min) Fz,min = 2540,0 kN
 Max. displ. along x-axis (dxEd) dx,max = 88 mm
 Max. displ. along y-axis (dyEd) dy,max = 29 mm
 Pure seismic displ. component along x-axis (dxbd) dx,bd = 57 mm
 Pure seismic displ. component along y-axis (dybd) dy,bd = 19 mm
 Max. rotation around x-axis (αxEd,max) rx,max = 0,0030 rad
 Max. rotation around y-axis (αyEd,max) ry,max = 0,0030 rad

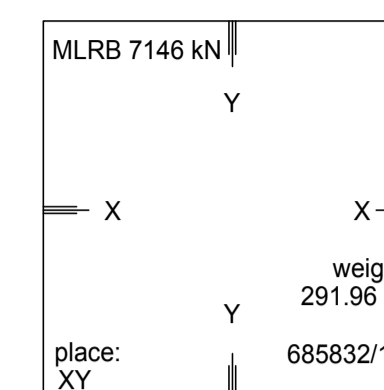
Equivalent damping factor at dbd $\xi_b(dx y = dx y, bd) = 15\%$ ca.
 Effective horiz. stiffness at dbd $K_b(dx y = dx y, bd) = 2,7$ kN/mm ca.
 Form factor $S = 13,9$

Max. horizontal force $F_{xy,max} = 224$ kN

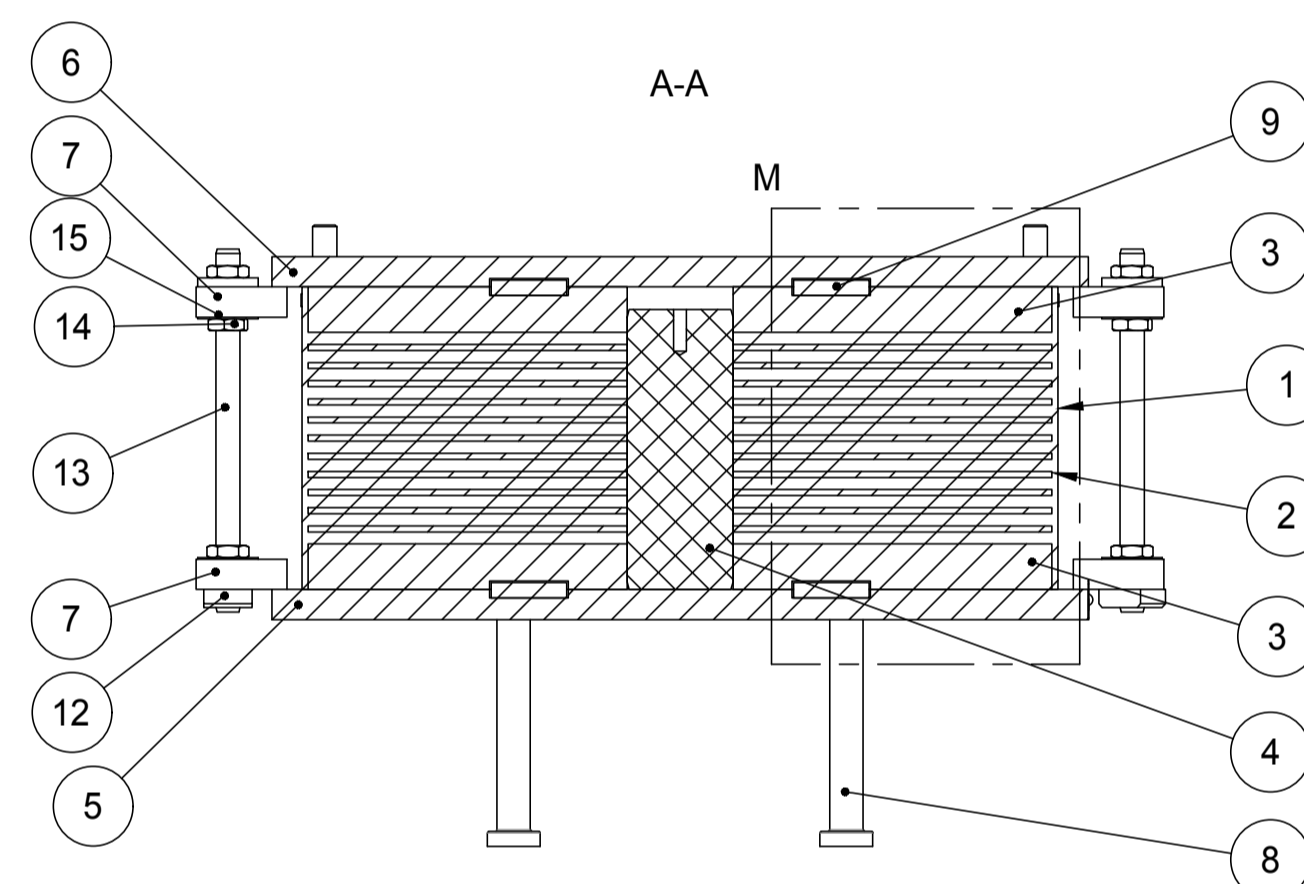
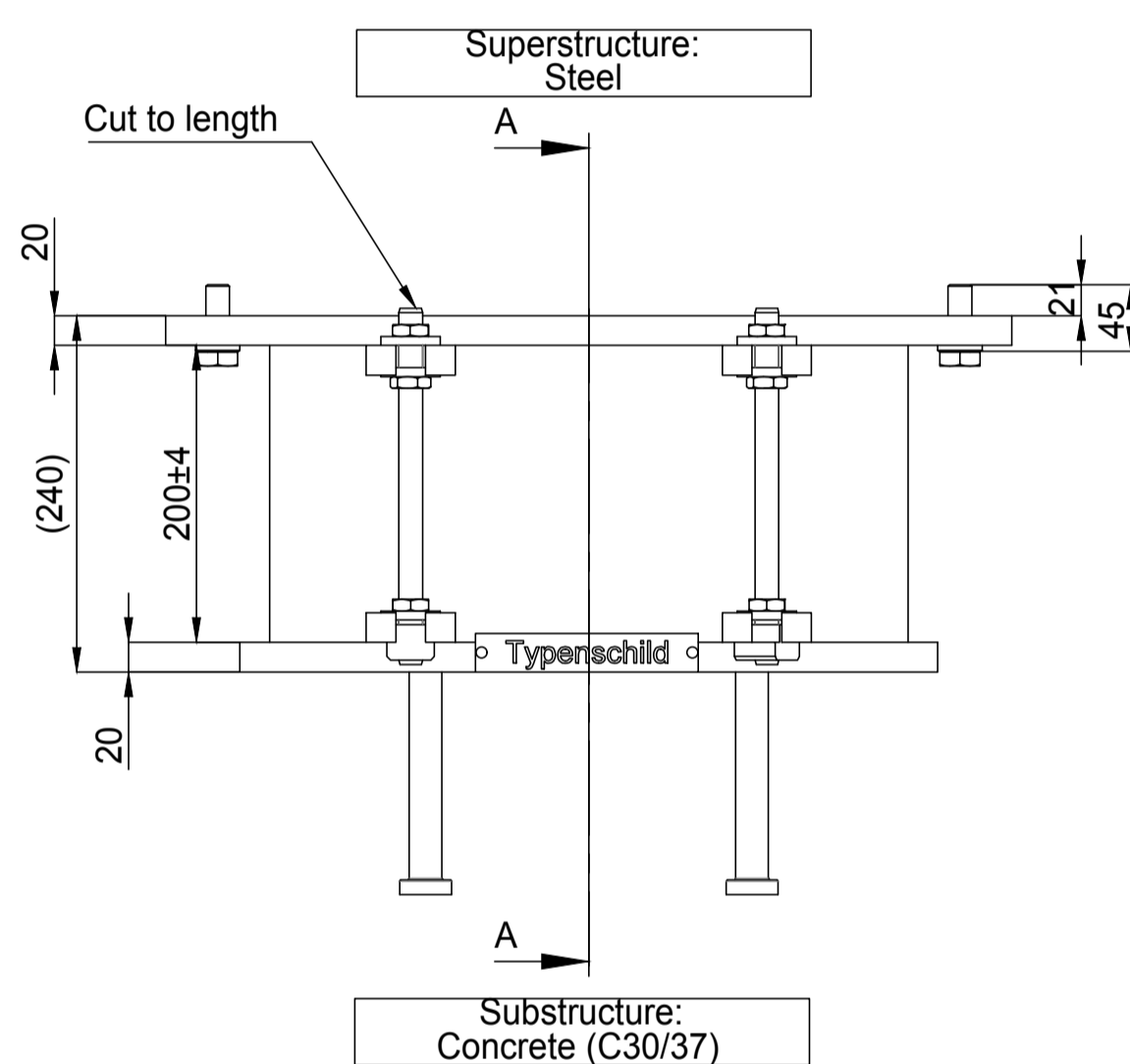
The Structural Designer must verify the connections to the structure

Friction coefficients:
 - superstructure (steel) $\mu_d = 0,2$
 - substructure (concrete) $\mu_d = 0,5$

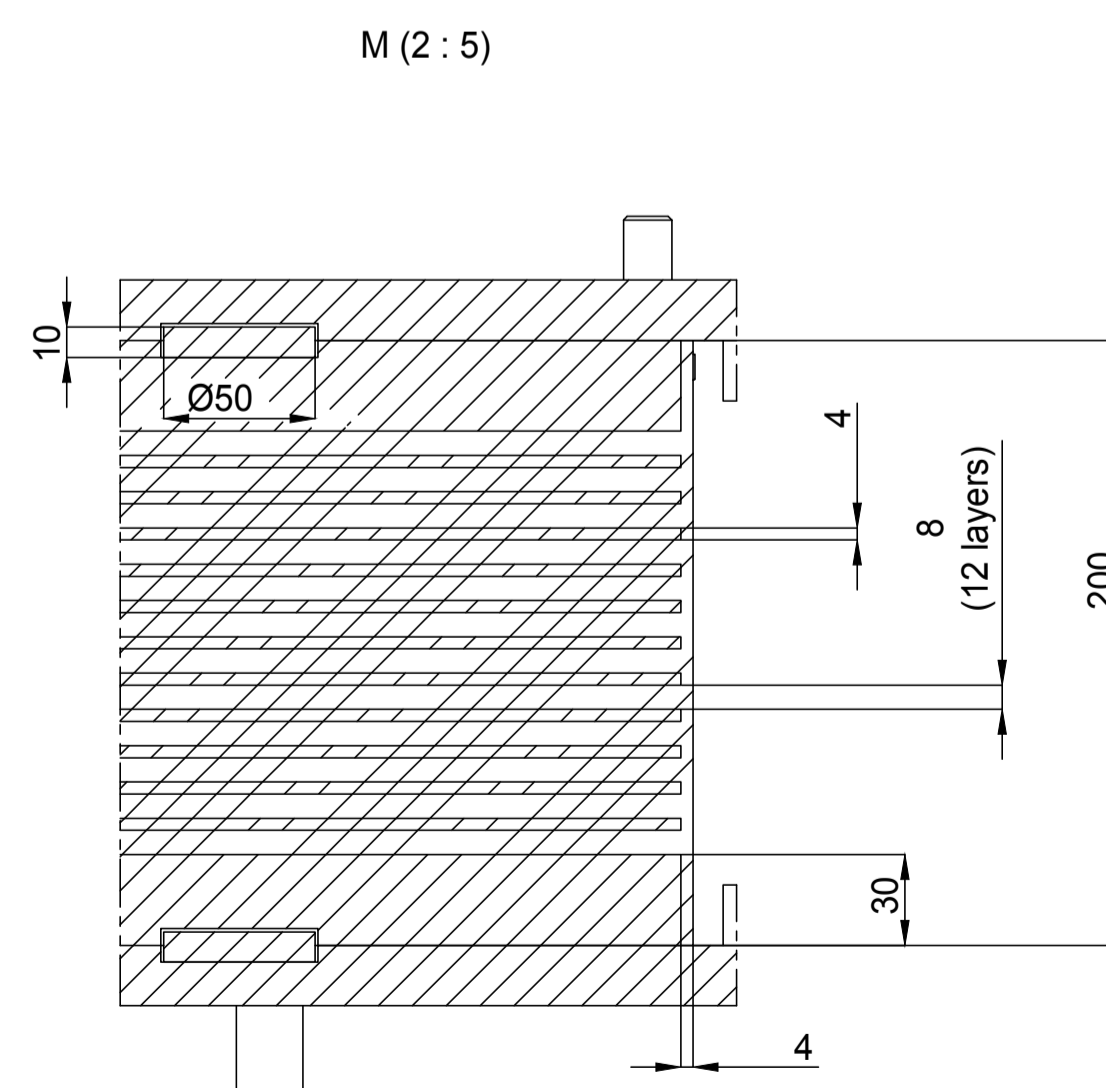
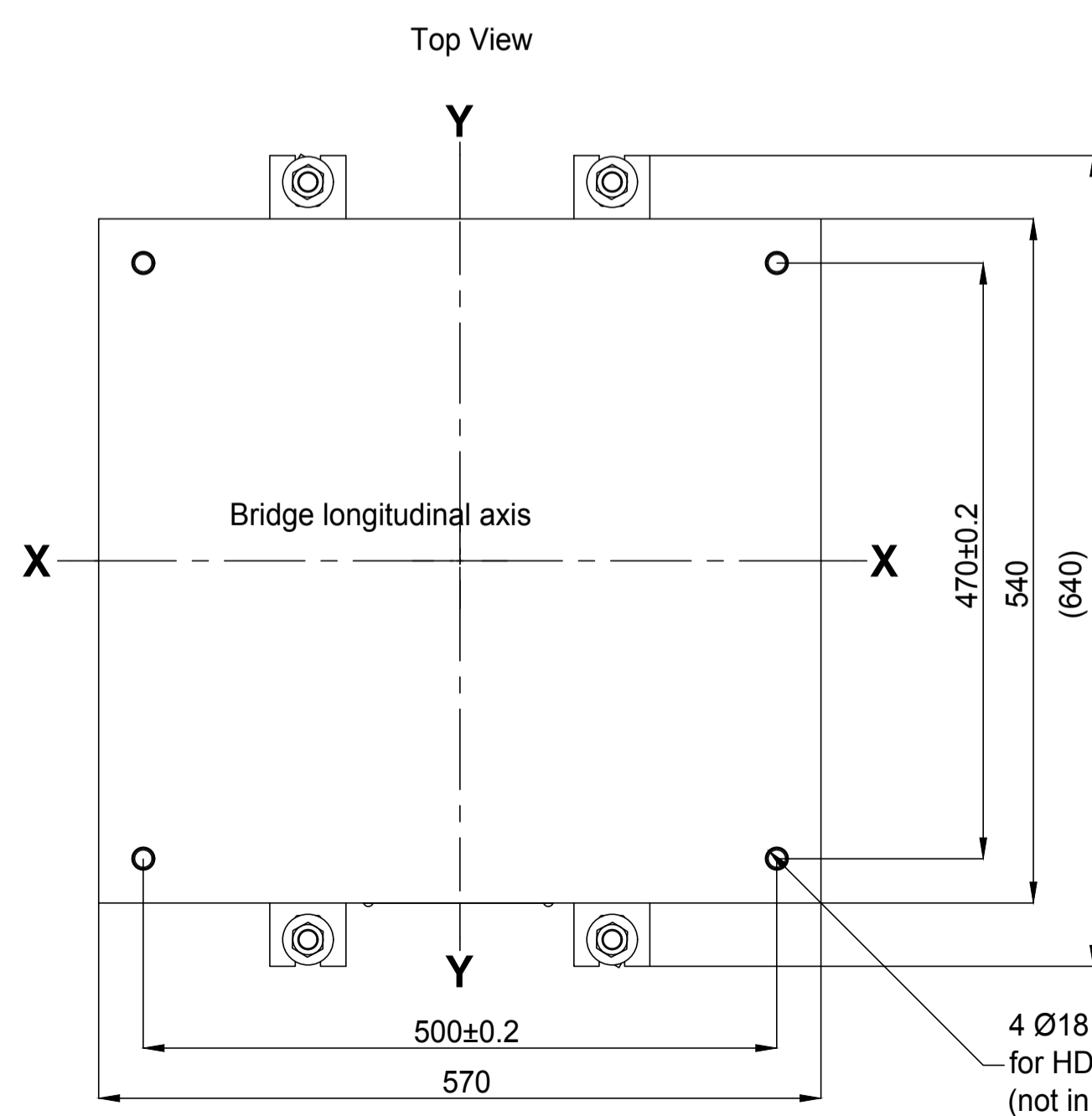
Bearing marking



BA	Nr	XY
1	1	VI10-1/SX
1	2	VI10-1/CN
1	3	VI10-1/DX
1	4	VI10-2/SX
1	5	VI10-2/CN
1	6	VI10-2/DX
1	7	VI10-3/SX
1	8	VI10-3/CN
1	9	VI10-3/DX



LO = loose delivered



4 Ø18 for HDG Screw EN 14399-4 M16-10.9 (not in scope of supply)

protection marks ISO 16016:
 The reproduction, distribution and utilization of this document as well as the communication of its contents to others without express authorization is prohibited. Offenders will be held liable for the payment of damages. All rights reserved in the event of the grant of a patent, utility model or design.

CORROSION PROTECTION

- Shot blasting → SA 3
 - Zink thermal spraying → 100 µm
 - Micaceous iron oxide DB 704 → 180 µm
- Only shot blasting:
 - Surfaces against concrete parts of the structure (up to 50mm from the border)
 Zink thermal spraying
 - Surfaces in contact between pad and bearing plates (up to 20mm from the pad border)
 - Surfaces against steel parts of the structure

NO. OF BEARINGS

- 9 pcs.

INSTALLATION PLACE

- V10-1/SX; V10-1/CN; V10-1/DX; V10-2/SX; V10-2/CN; V10-2/DX; V10-3/SX; V10-3/CN; V10-3/DX

WORKSHOP

- Bearing with name plate
- Lock parts red marked

Welds acc. to DIN EN 5817 Category B; welds of lock system Category C; fillet welds a4 when not otherwise indicated

- Axes X and Y marked on the top and bottom surface of the bearing

- Bolts lubricated with MoS2

SITE

- Installation acc. to EN 1337 and EN 15129
- Install the bearing horizontally (max. slope in each direction 5‰)

As soon as both plates are rigidly connected to the structure, remove the lock parts (red marked)



Direzione Progettazione e Realizzazione Lavori

VARIANTE ALLA S.S. 1 "VIA AURELIA"
 Viabilità di accesso all'hub portuale di La Spezia
 Lavori di costruzione della variante alla S.S. 1 Via Aurelia - 3° Lotto
 2° Stralcio Funzionale B dallo Svincolo di Buon Viaggio allo Svincolo di San Venerio
COMPLETAMENTO

PRECEDENTI LIVELLI DI PROGETTAZIONE DELL'APPALTO INTEGRATO ORIGINALE

PD n°1861 del 09/07/03 aggiornato al 10/12/08 - Delibera CIPE n°60 del 02/04/08
 PE n° 103 del 14/07/2011 - D.A. CDG-103321-P del 20/07/11
 PVT n°112 del 21/01/16 aggiornata al 28/10/16 - D.A. CDG-92950-P del 21/02/17
 Progetto Esecutivo Cantierabile Opere da Completare

PROGETTO ESECUTIVO COD. GE266

PROGETTAZIONE: **ANAS - DIREZIONE PROGETTAZIONE E REALIZZAZIONE LAVORI**

PROGETTISTA:
 Dott. Ing. Antonio Scalamanfrè
 Ordine Ing. di Frasimone n. 1063

IL GEOLOGO
 Dott. Geol. Flavio Capozucca
 Ordine Geol. del Lazio n. 1599

COORDINATORE DELLA SICUREZZA IN FASE DI PROGETTAZIONE
 Geom. Emiliano Paiella

VISTO IL RESPONSABILE DEL PROCEDIMENTO
 Dott. Ing. Fabrizio Cardone

PROTOCOLLO DATA

OPERE D'ARTE MAGGIORI - VIADOTTI
ASSE PRINCIPALE - VIADOTTO SAN VENERIO I
 DISPOSITIVO DI APPOGGIO BI-17

CODICE PROGETTO		NOME FILE		REVISIONE	SCALA
PROGETTO	LIV. PROG.	P00V101STRDC03A			
D	P	G	E	0	2
CODICE ELAB.		P00V101STRDC03		A	1:50
D					
C					
B					
A	Emissione	Luglio 2020	Ing.	Ing.	Ing.
REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO