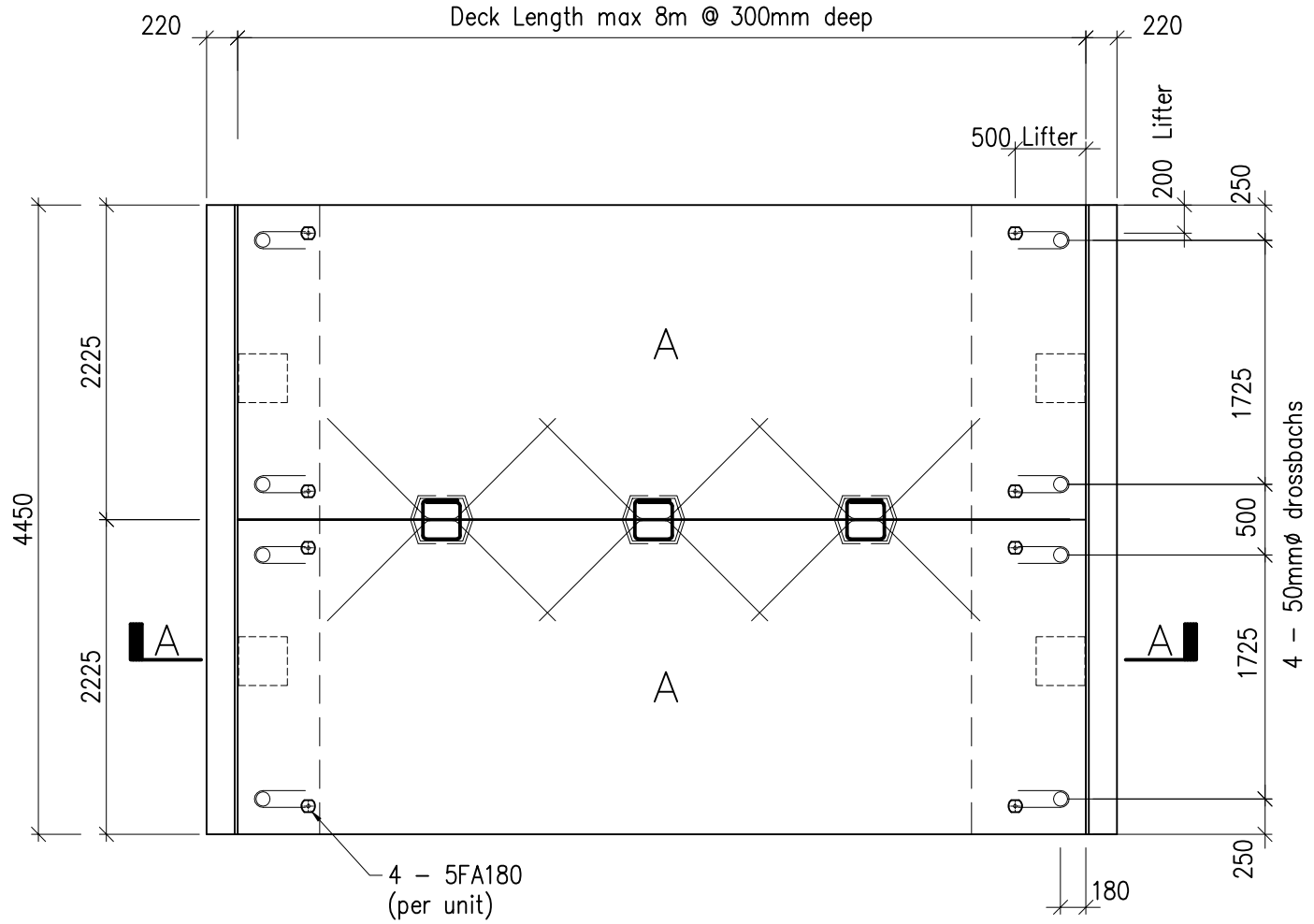
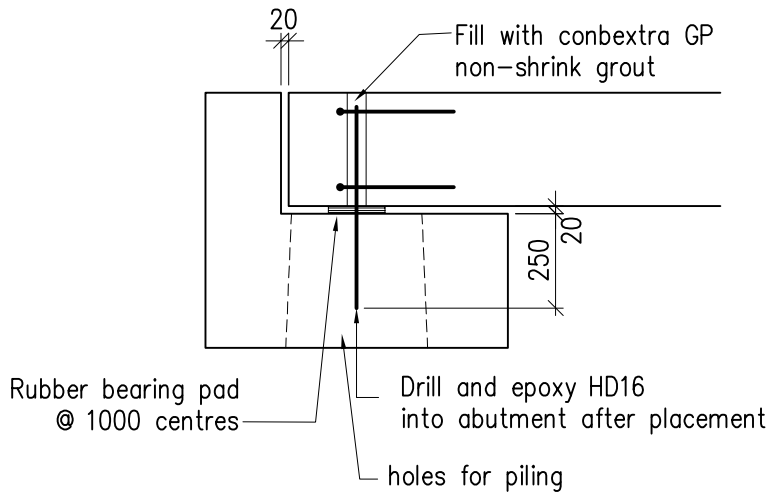
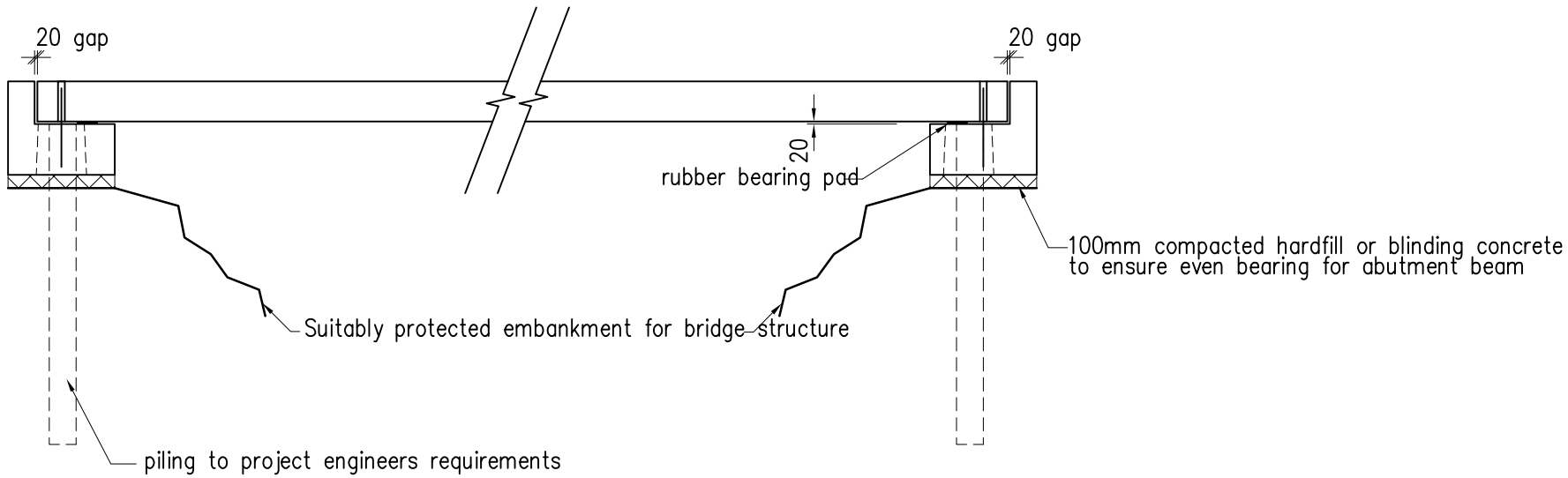


LAYOUT PLAN



BEAM TO DECK CONNECTION

max deck length	depth
up to 6.0 m	250mm
up to 8.0 m	300mm



SECTION A–A

NOTES

1. The bridge has been designed for 0.85 HN (Class 1) loading as per Transit NZ Bridge Manual.
2. Light duty bridges may be used :–
   Where the load limit can be cleasrly sign posted and
   Where alternative access such as a ford are available for heavy vehicles.
3. A safe bearing pressure of 150 kPa has been assumed in the design of abutment beams.
4. Abutments should be placed on a level pad of gravel or weak concrete mix.
5. Piles should be driven through abutments if the abutment is subject to scouring or the bridge if the bridge may trap flood debris.
6. Piles should be driven below the depth of anticipated scouring, cut flush with abutment bearing surface and concreted to the abutment.
7. The bridge has been designed with a min 50 year design life.
8. For marine applications the design will require special concideration.

Contractor

Rev	Description	Date	By	Chkd
A	FOR ESTIMATING	20/9/6	DJS	

stahlton
ENGINEERED CONCRETE
133 Waterloo Road,
Hornby.
P.O. Box 8369, Christchurch
Christchurch, New Zealand
Phone 03-344-3014
Fax. 03-344-3018

Scales 1:50 1:20
Drawn DJS
Date 20 Sep 2006
Checked By ??
Job No. CHPDS

TYPICAL FLAT SLAB BRIDGE

B1-1 Dwg No.
A Rev.