Generic bridge repairs for bridges

Integrity Testing Pty. Ltd.

Myola East

Toolleen, Vic 3551

PO Box 1299

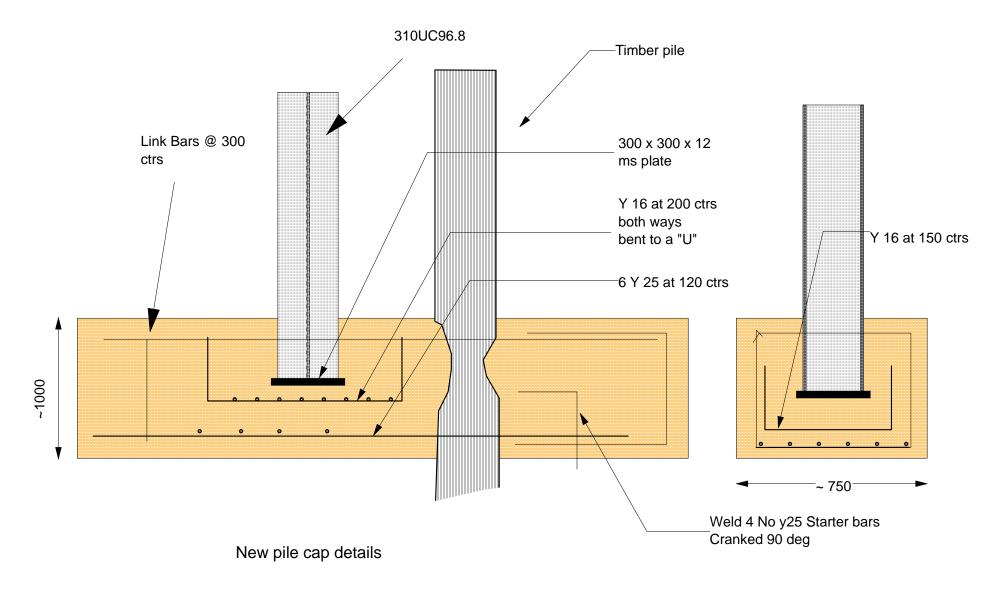
Bendigo Central

Vic 3552

Telephone (03) 5444 0782

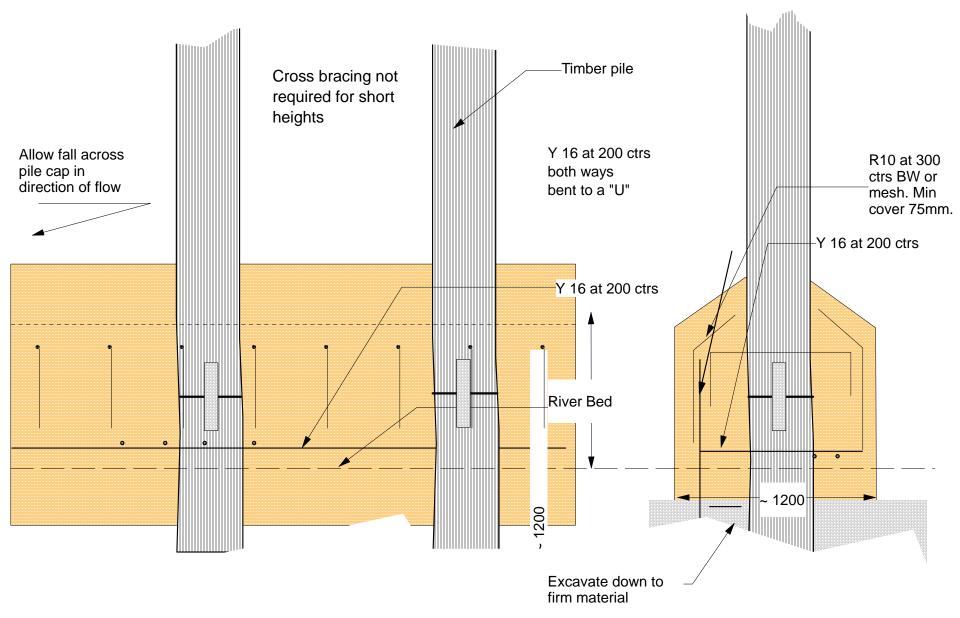
Facsimile (03) 5441 3810

Email: info@integritytesting.com.au



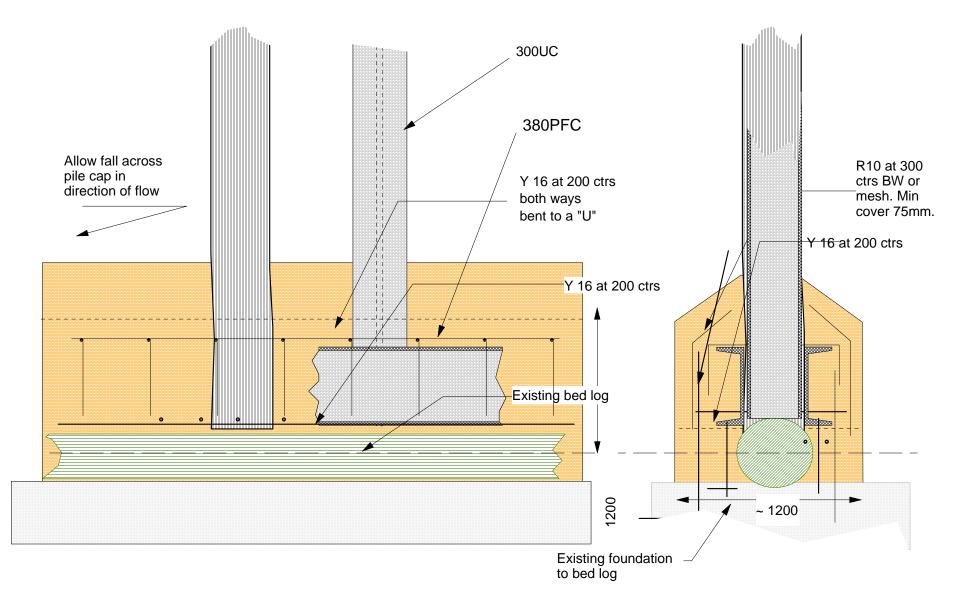
Strengthening of Piers with concrete encasement

Drg. NoRepairsIntegrityScaleNTS.Date02/02/2006TestingDrawn ByJSH



Strengthening of Piers with splice New pile cap details

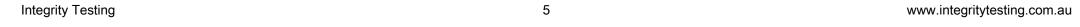
Drg. No	Repairs	Integrity	Scale	NTS.
Date	02/02/2006	Testing	Drawn By	JSH

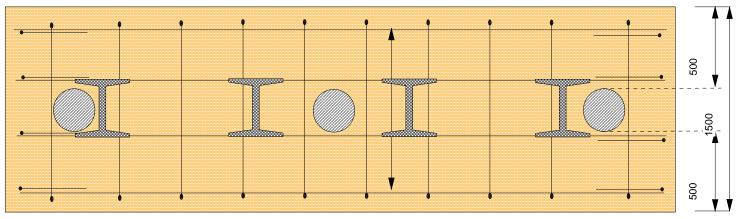


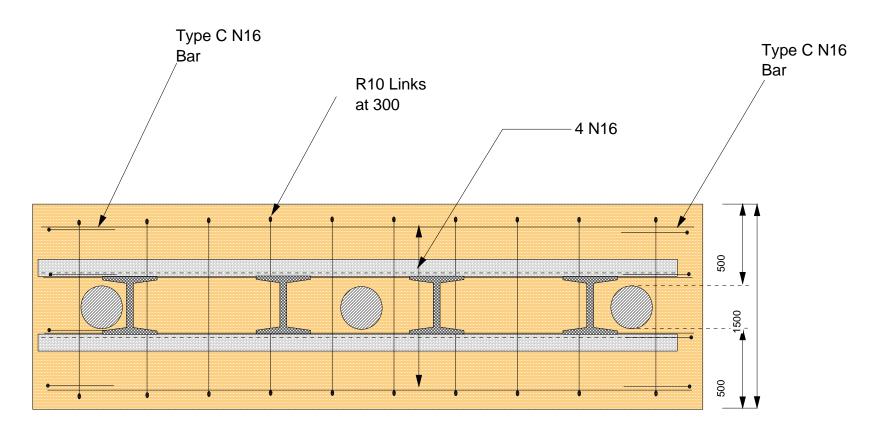
Strengthening of Piers

New pile cap details with bed log

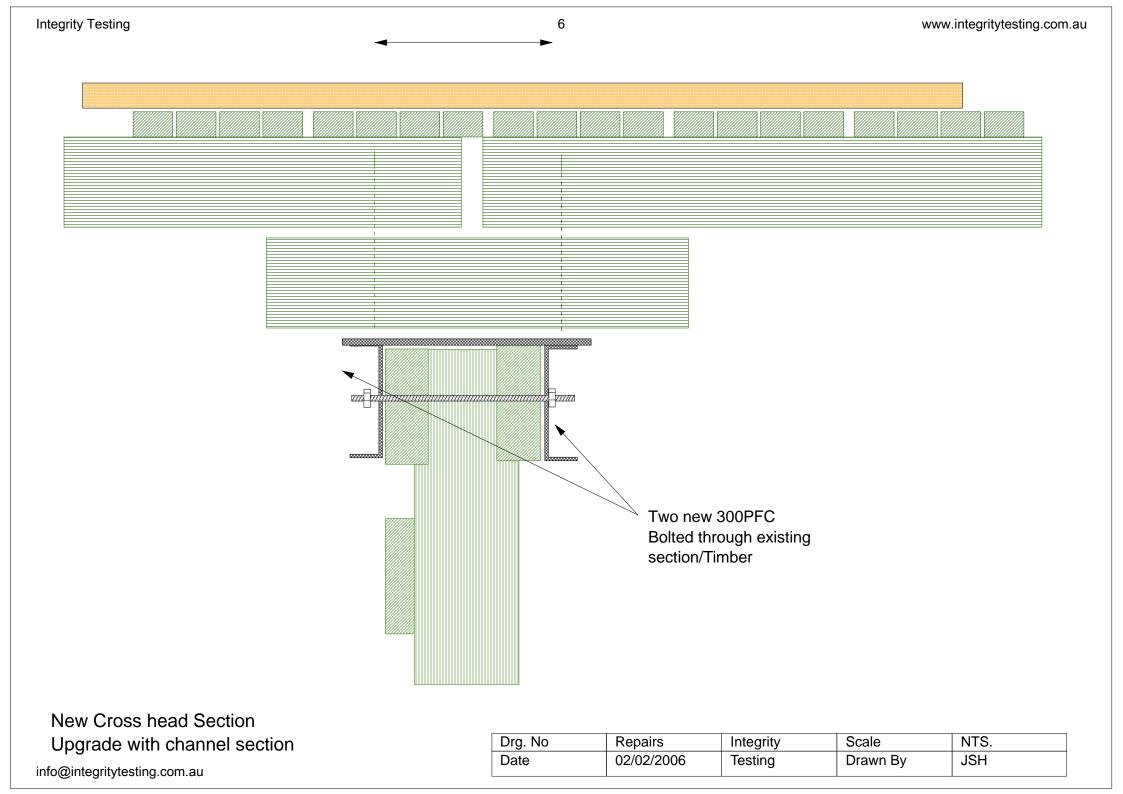
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Date	02/02/2006	Testing	Drawn By	JSH

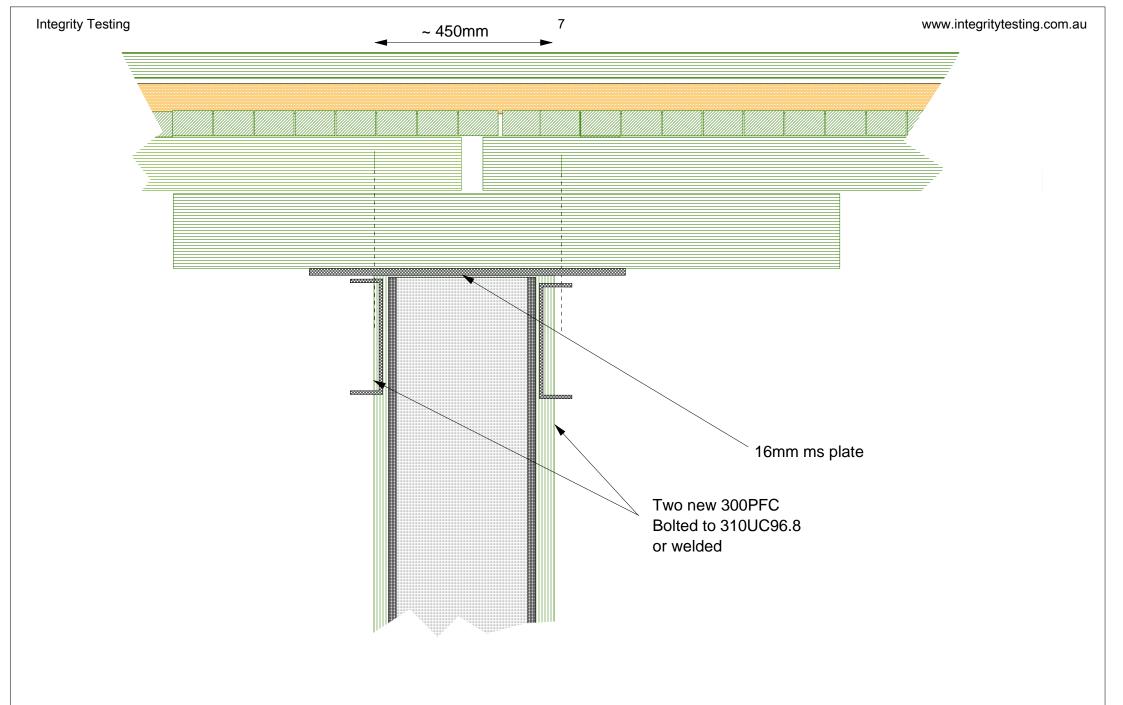






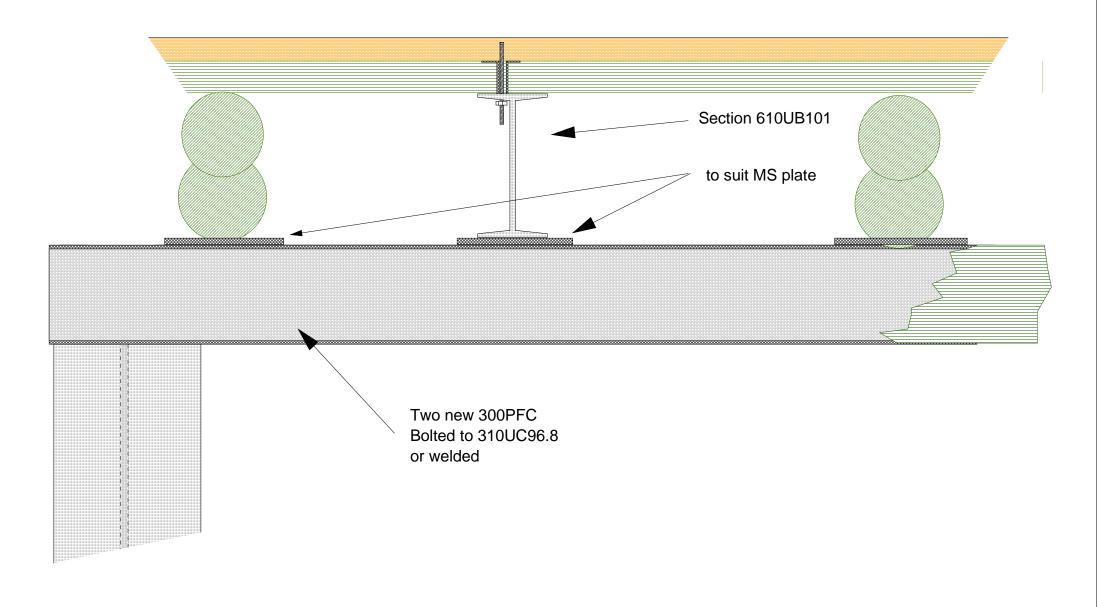
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Date	02/02/2006	Testing	Drawn By	JSH





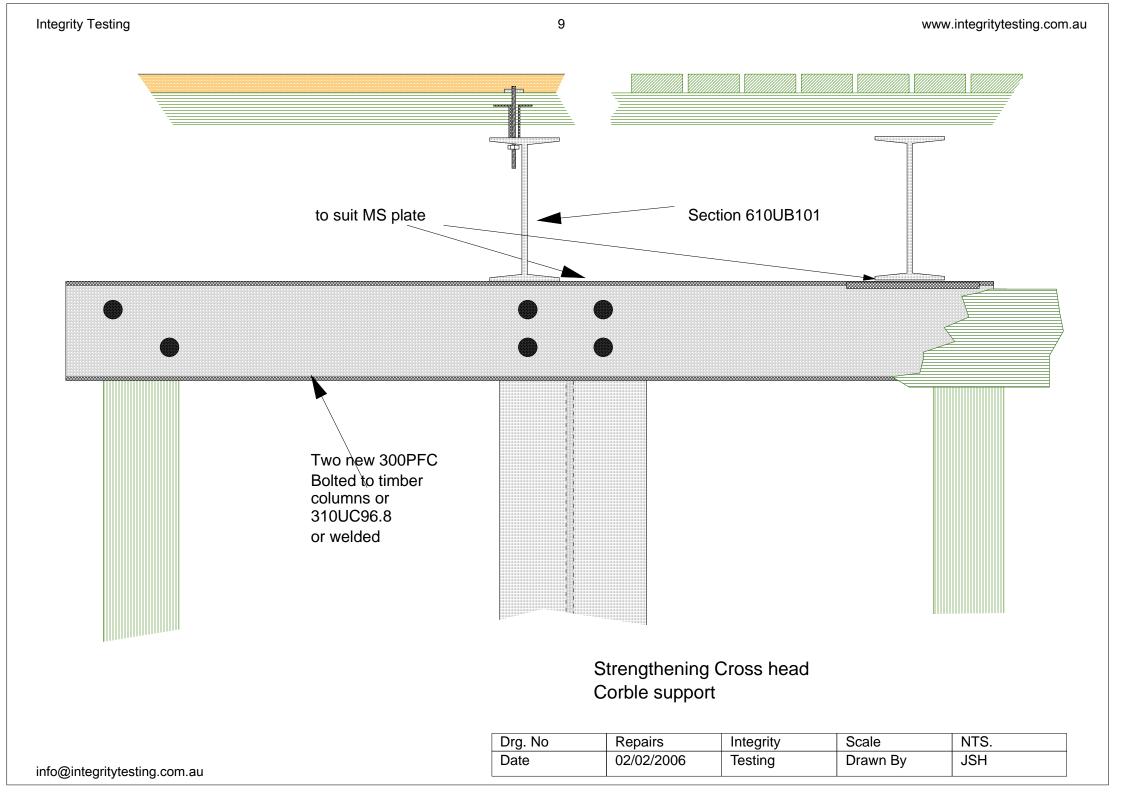
Corble support
With new steel column

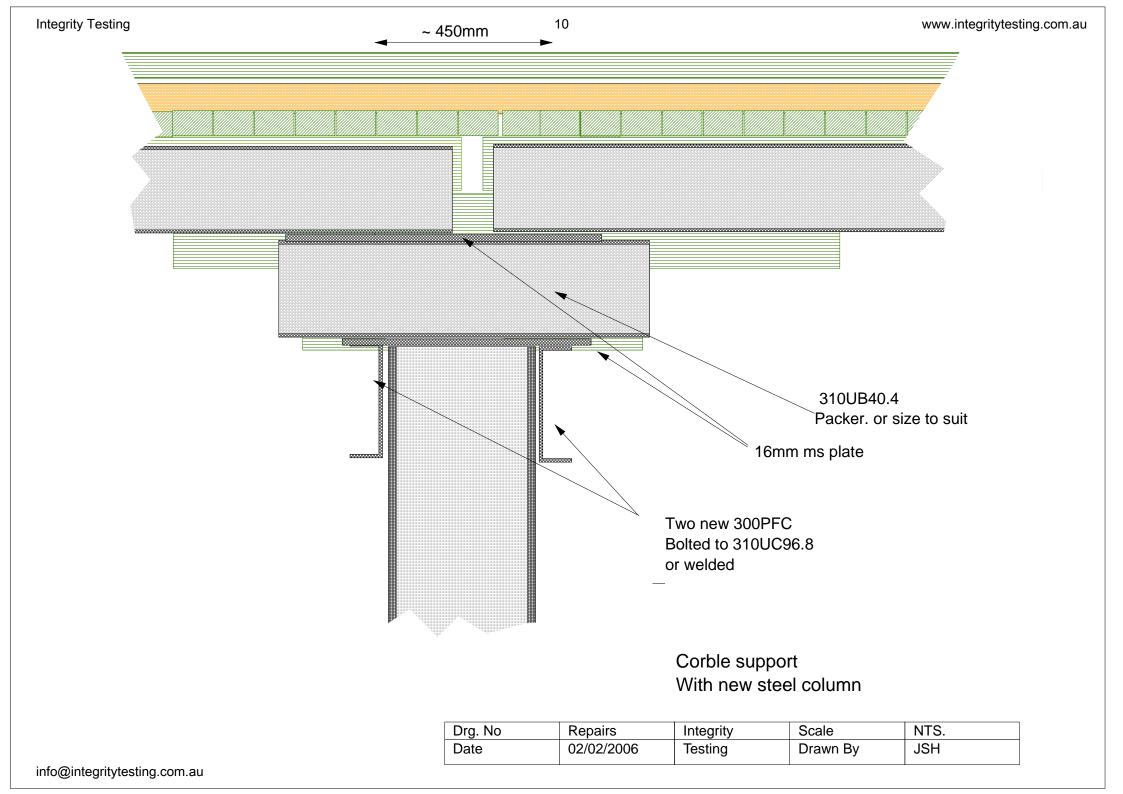
Drg. No	Repairs	Integrity	Scale	NTS.
Date	02/02/2006	Testing	Drawn By	JSH

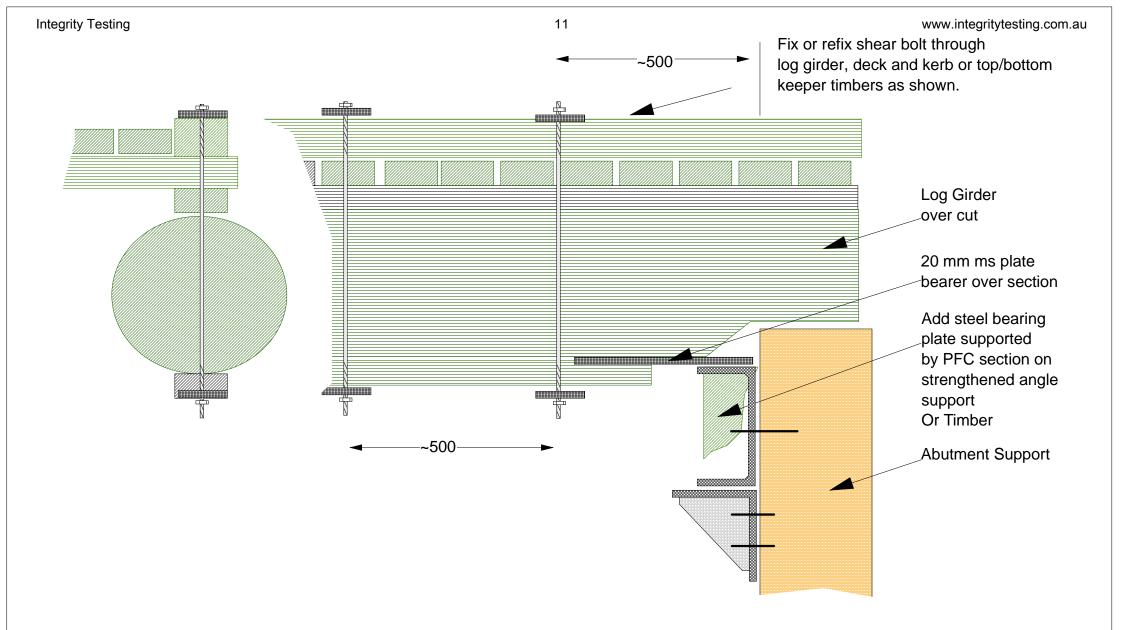


Strengthening Cross head Corble support

Drg. No	Repairs	Integrity	Scale	NTS.
Date	02/02/2006	Testing	Drawn By	JSH

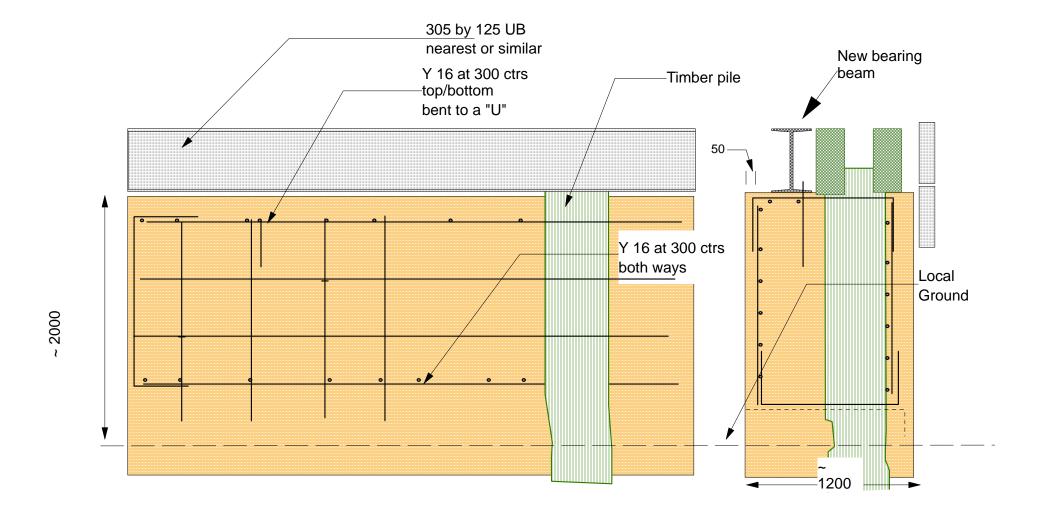






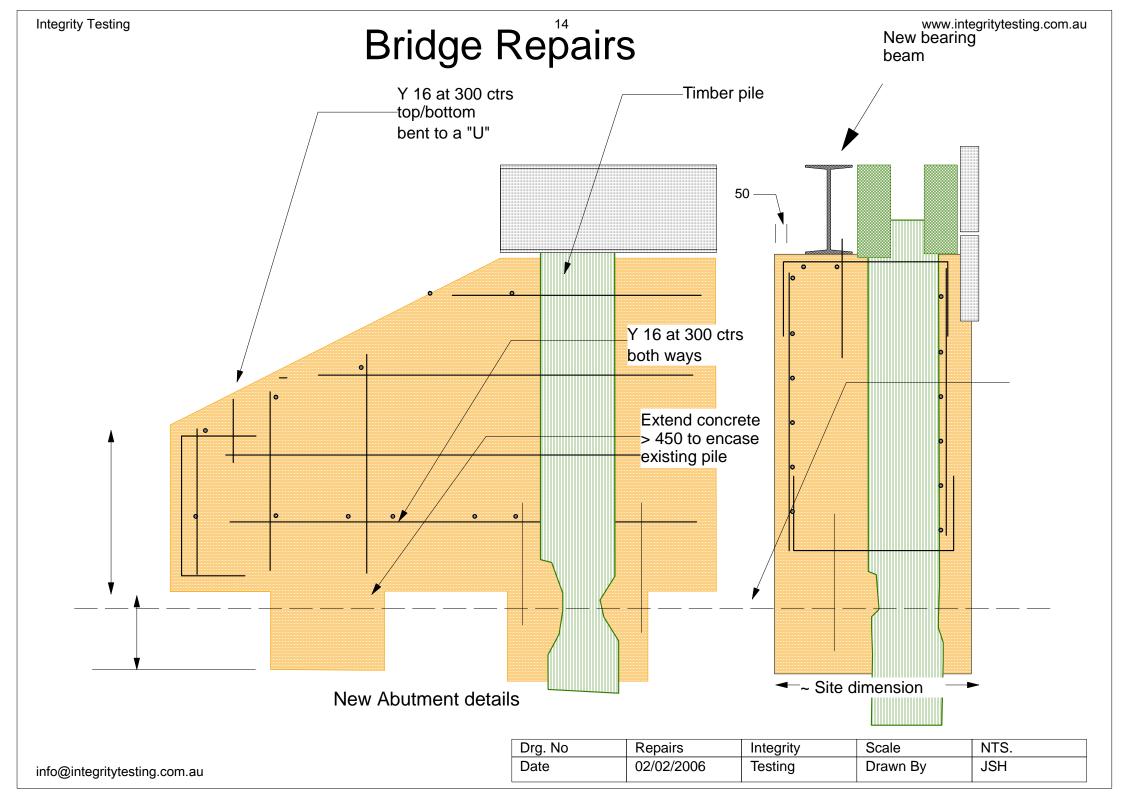
General Strengthening of Timber Log Girders Supports over cut or over scarffed Span reduction

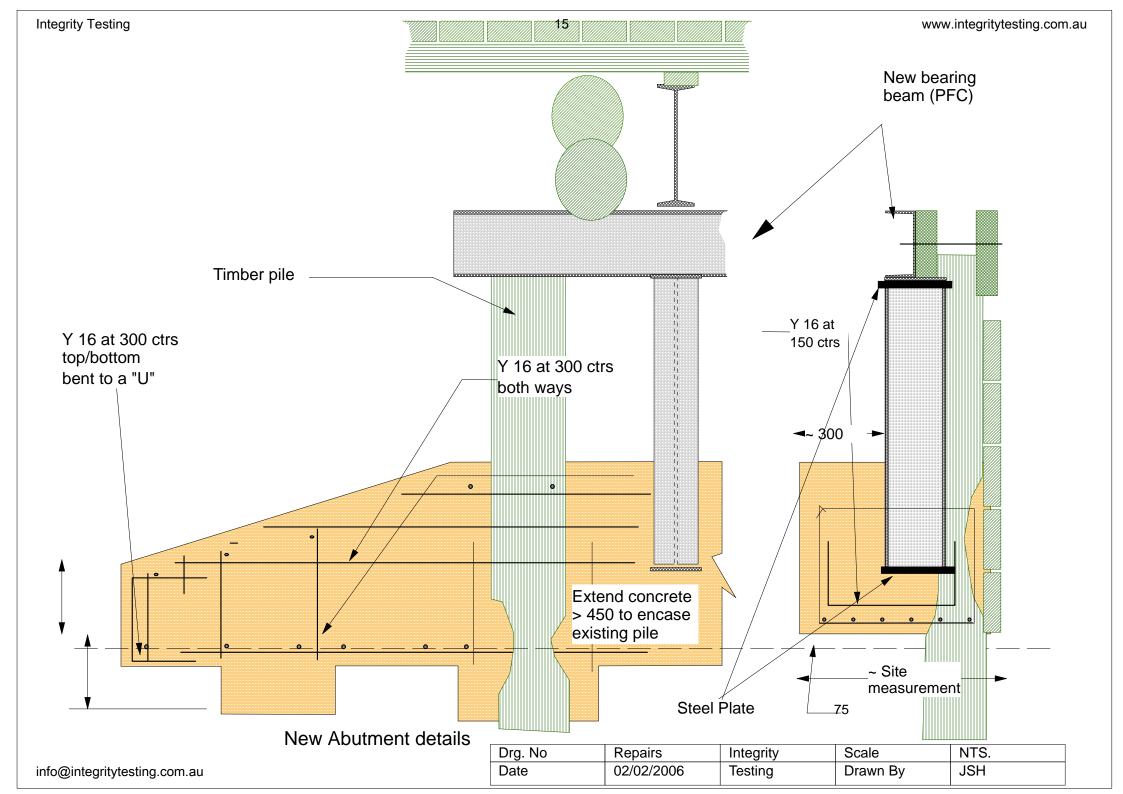
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Date	02/02/2006	Testing	Drawn By	JSH

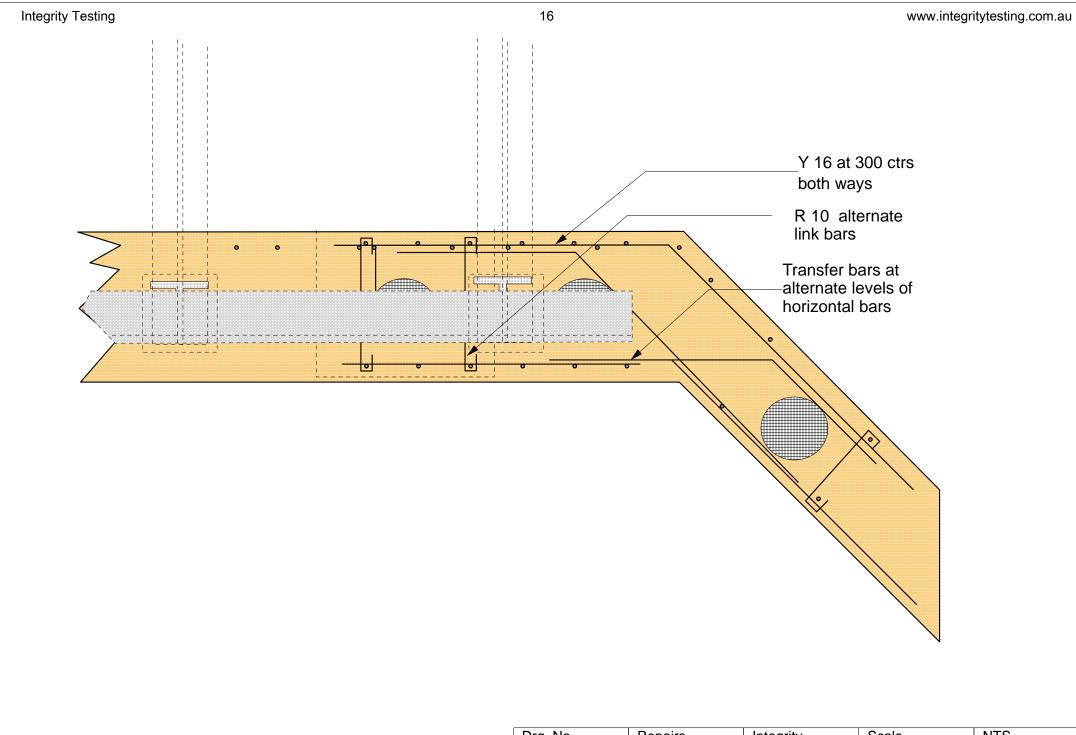


New Abutment details

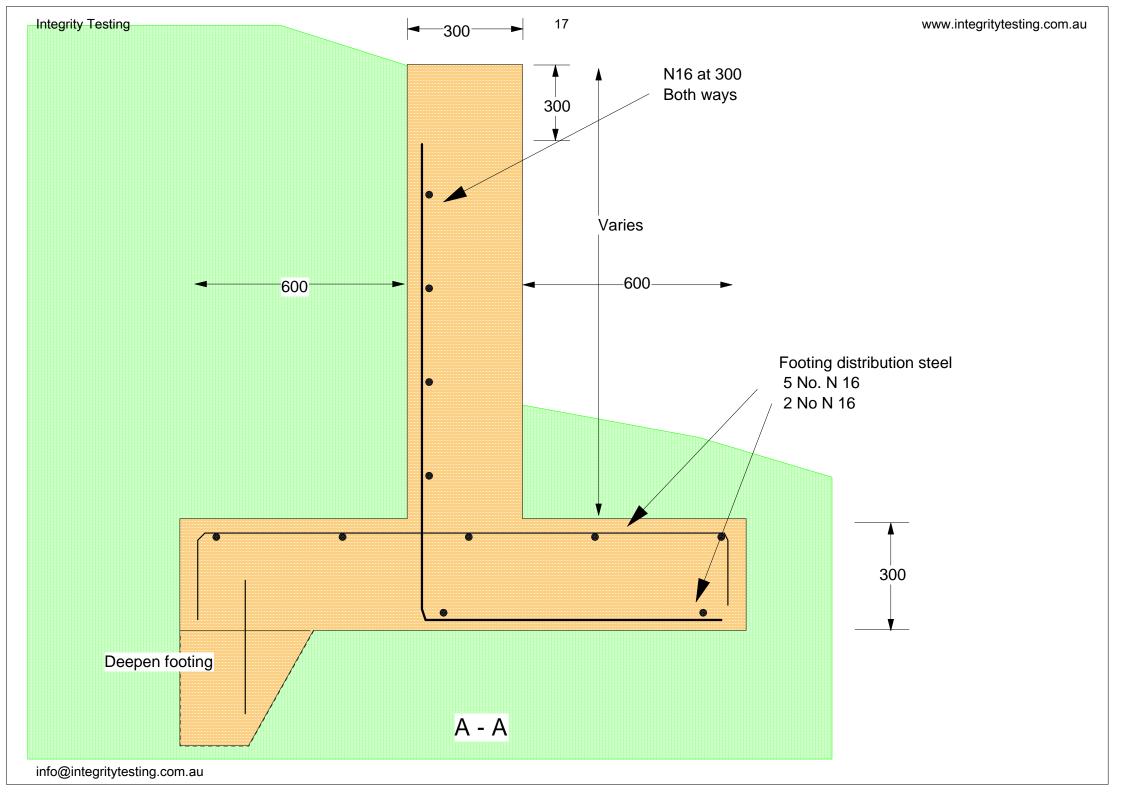
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Date	02/02/2006	Testing	Drawn By	JSH

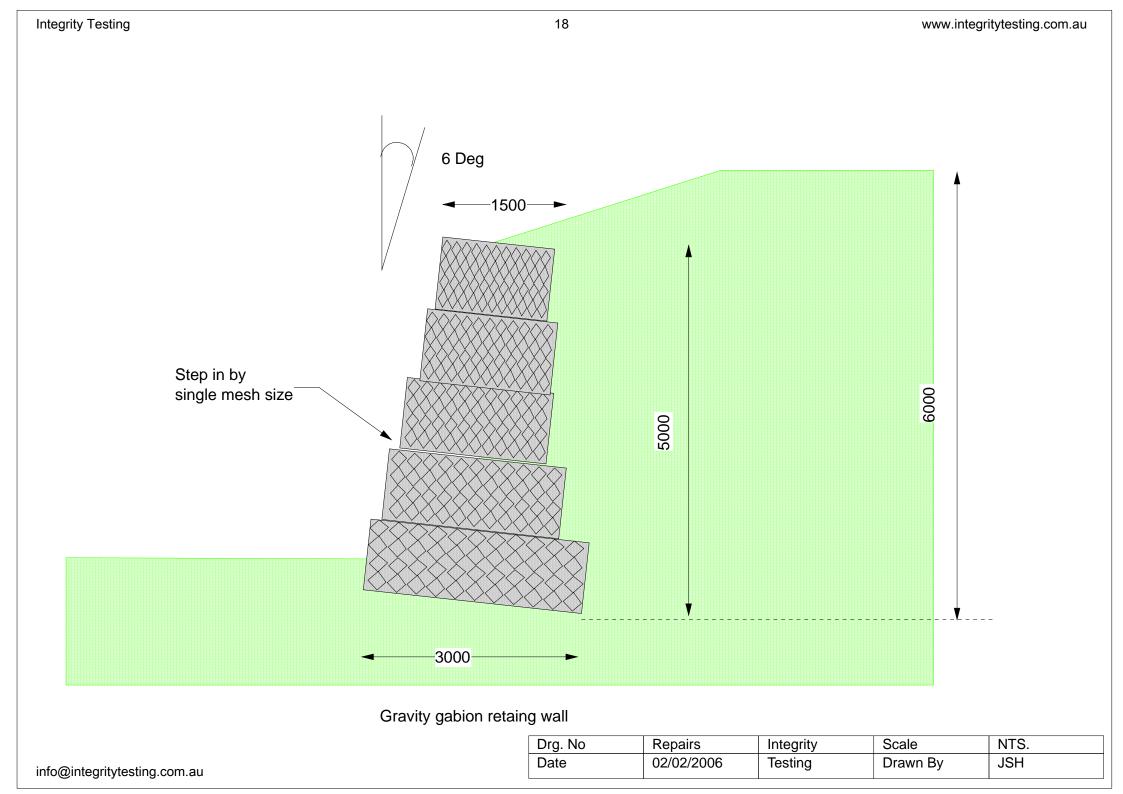


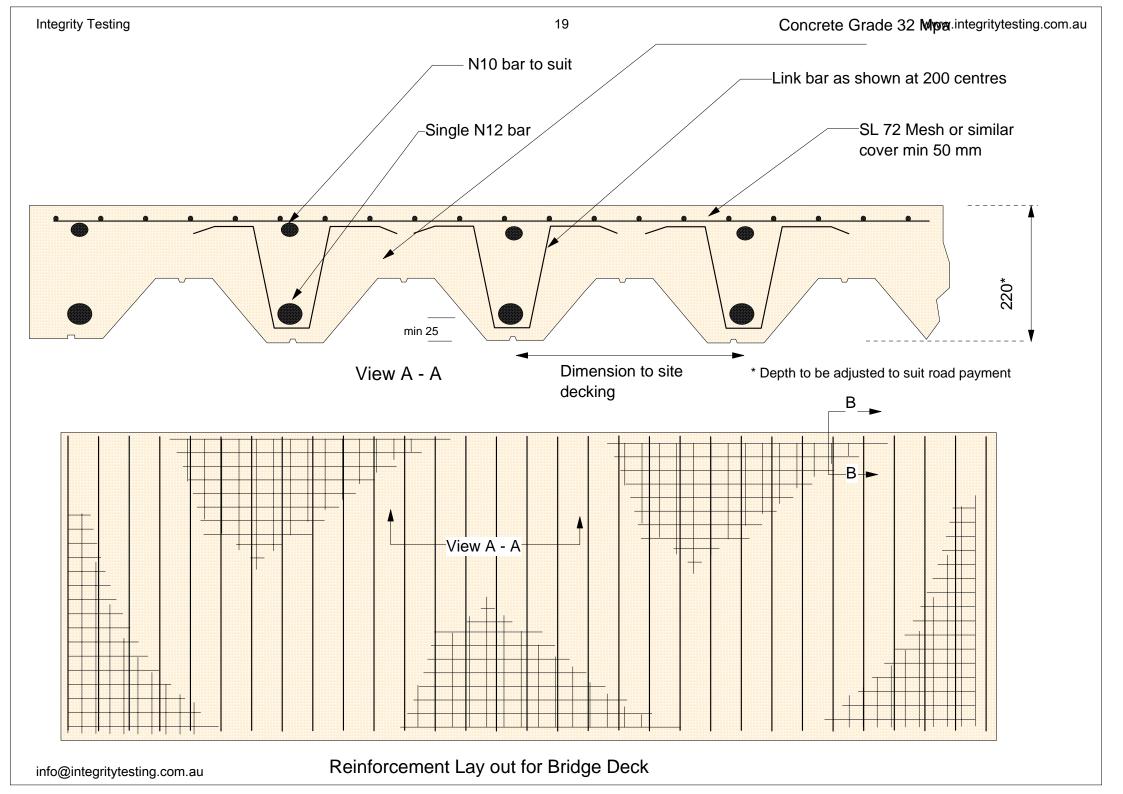


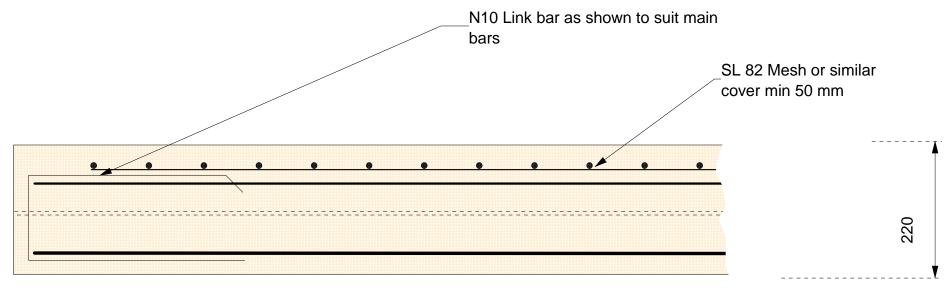


Drg. No	Repairs	Integrity	Scale	NTS.
Date	02/02/2006	Testing	Drawn By	JSH







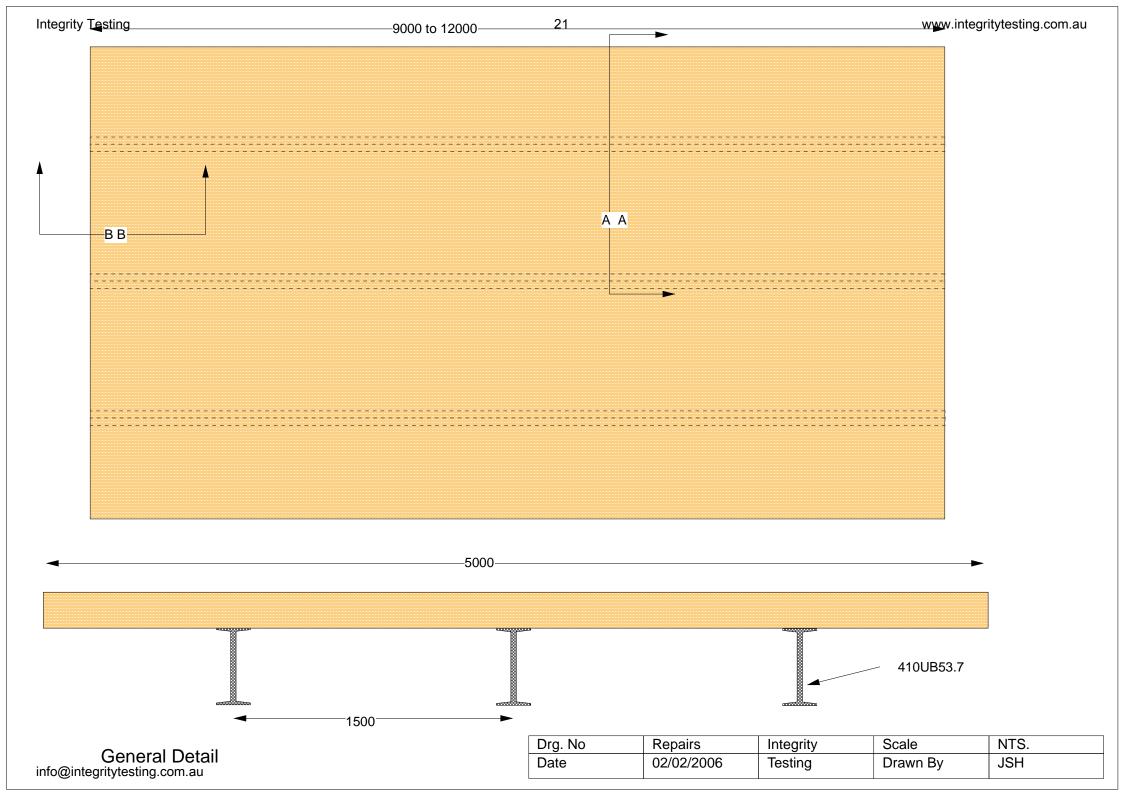


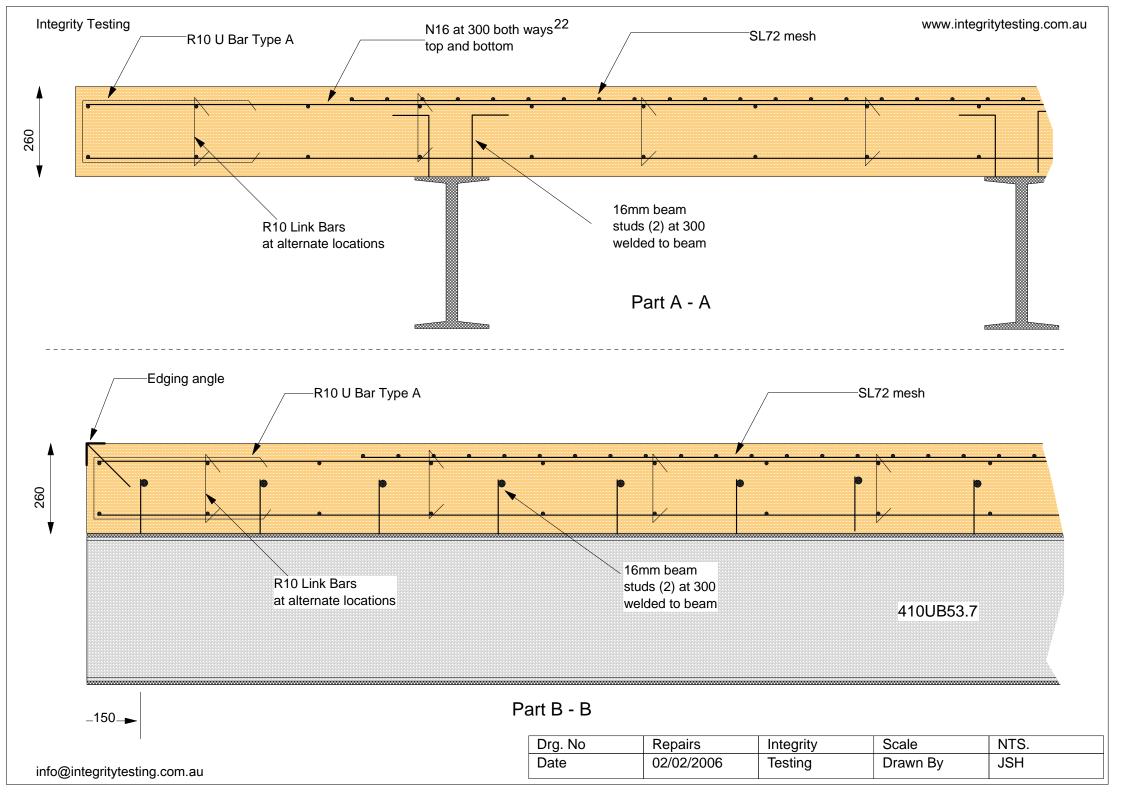
Concrete Grade 32 Mpa.

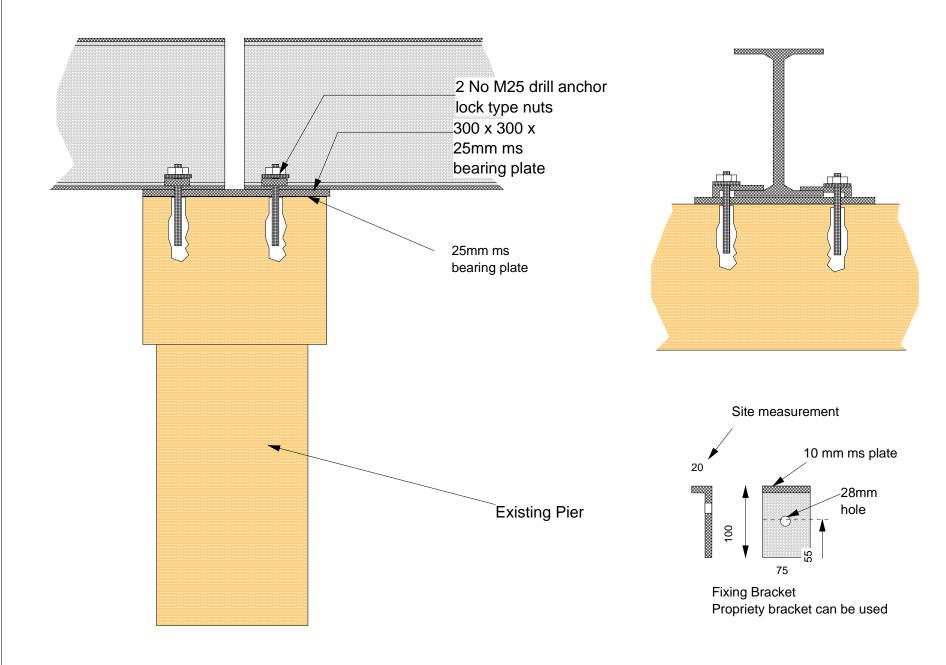
Trafficable strength of minimum 16 mpa at 24 hrs

Reinforcement Layout for Bridge Deck Edge detail View B-B

Drg. No	Repairs	Integrity	Scale	NTS.
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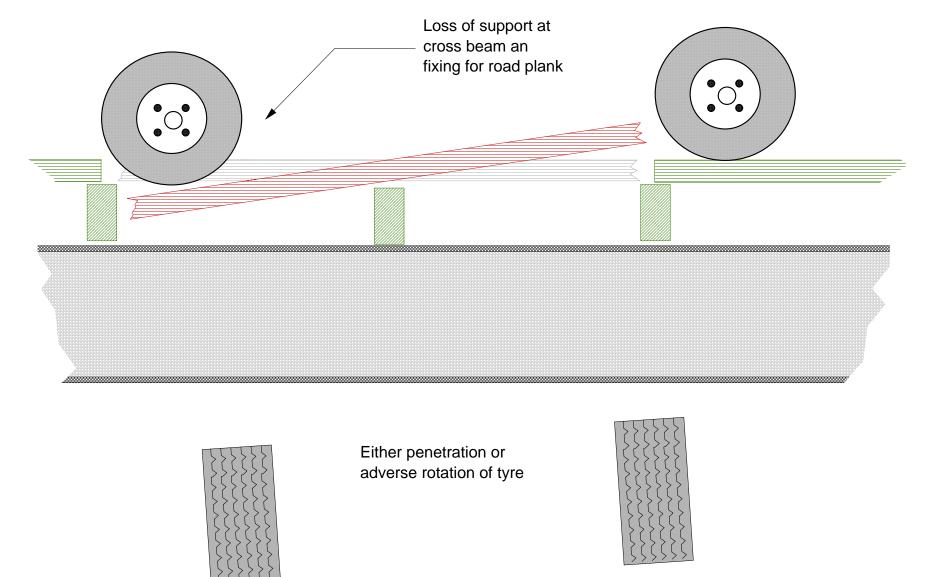






Fixing	Detail	at Piers

Date	02/02/2006	Testing	Drawn By	JSH
Drg. No	Repairs	Integrity	Scale	NTS.



Failure mode of Timber deck

Drg. No	Repairs	Integrity	Scale	NTS.
Date	02/02/2006	Testing	Drawn By	JSH

Old running plank end cut back to good timber insert new part running plank
Add new cross members
Pin and repin new and existing timber runners

Pin existing running planks

to new cross beams

Add extra cross beams
to reduce deck plank span
and bearing area and support
new insert timber

Add 2 new 65 by 250 timber pinned through existing or use joist hanger/ angle bracket.

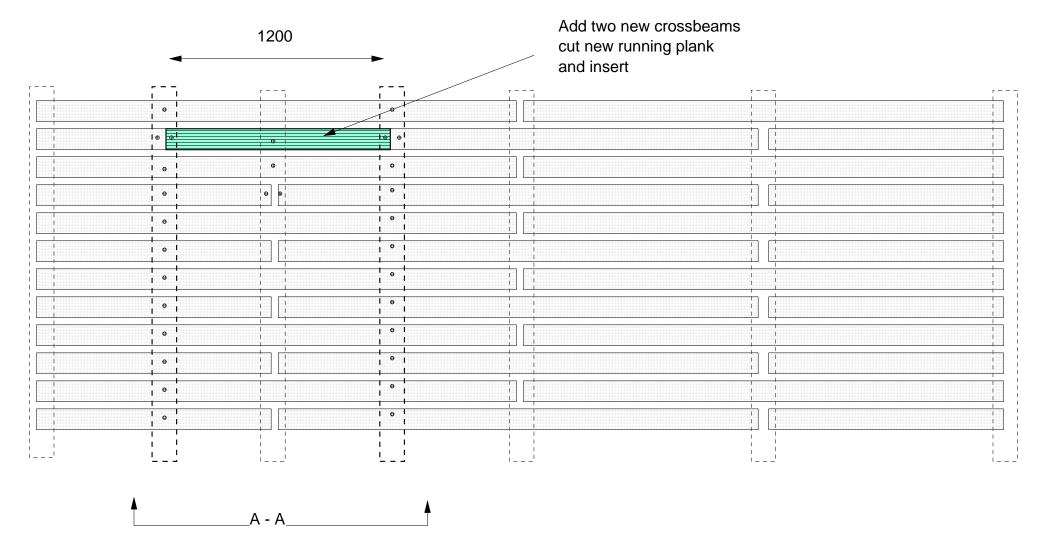
Timber to extend to the full width of the deck to provide support to deck planks For new support use 4 No 250 by 65 timber All timber to be of structural grade and durability H5

View A- A

All dimensions to suit site

Existing cross beam

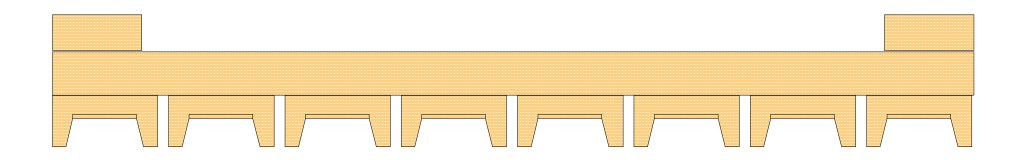
Drg. No	Repairs	Integrity	Scale	NTS.
Date	02/02/2006	Testing	Drawn By	JSH

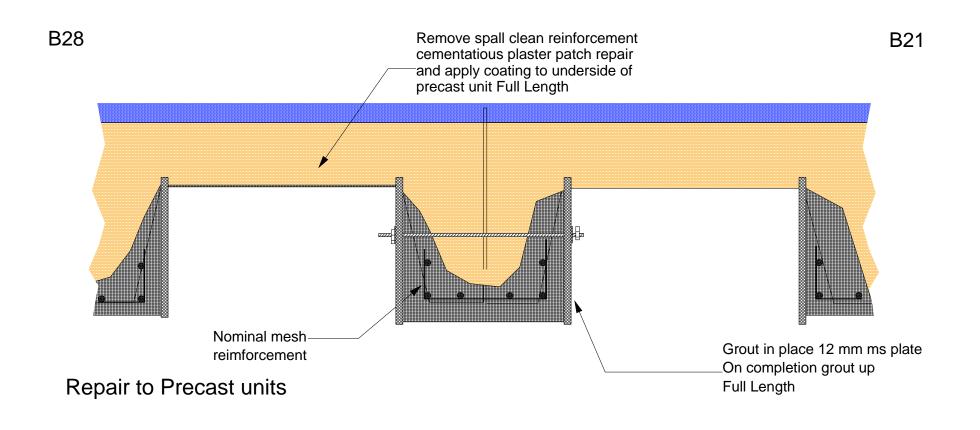


All dimensions to suit site

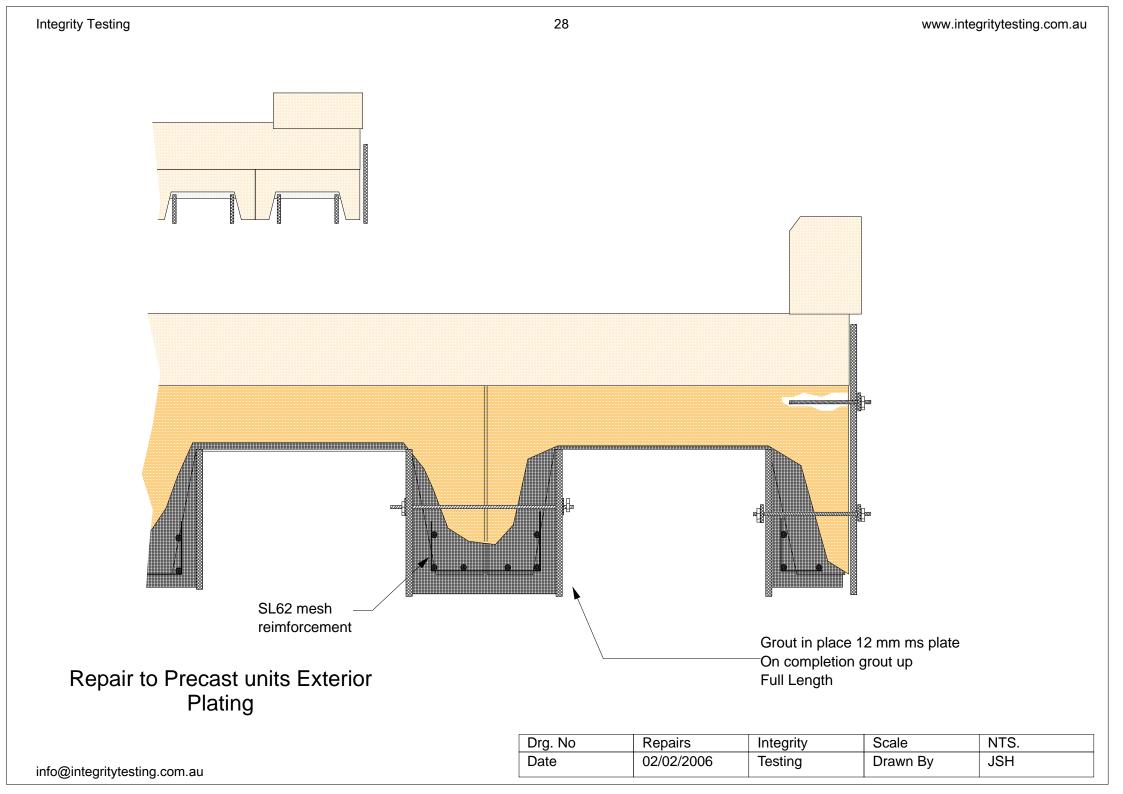
Deck Plank Replacement

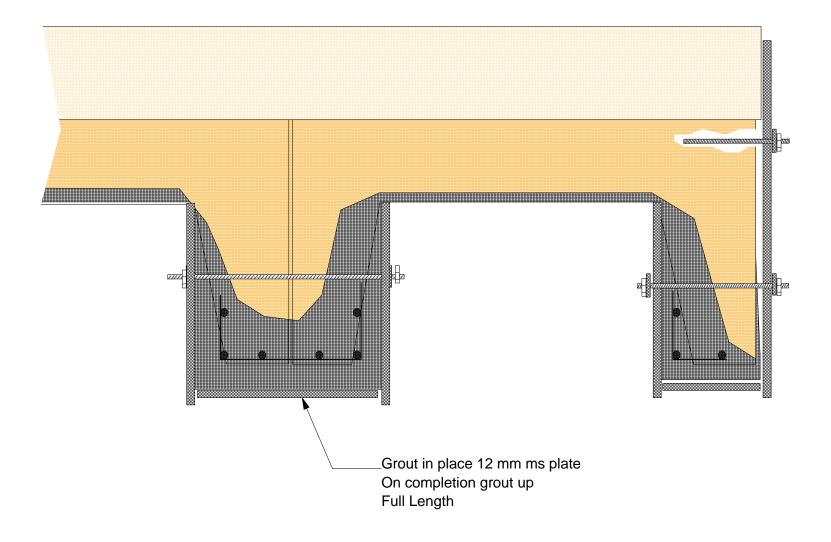
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Date	02/02/2006	Testing	Drawn By	JSH





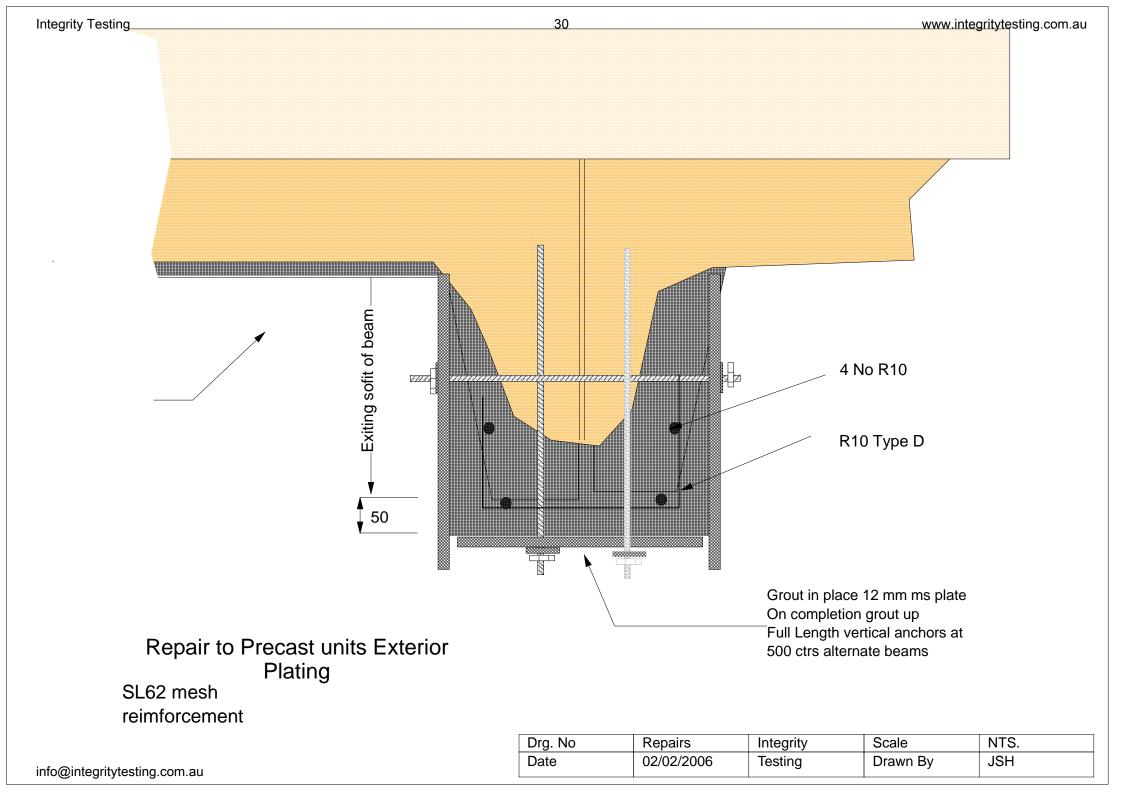
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Date	02/02/2006	Testing	Drawn By	JSH

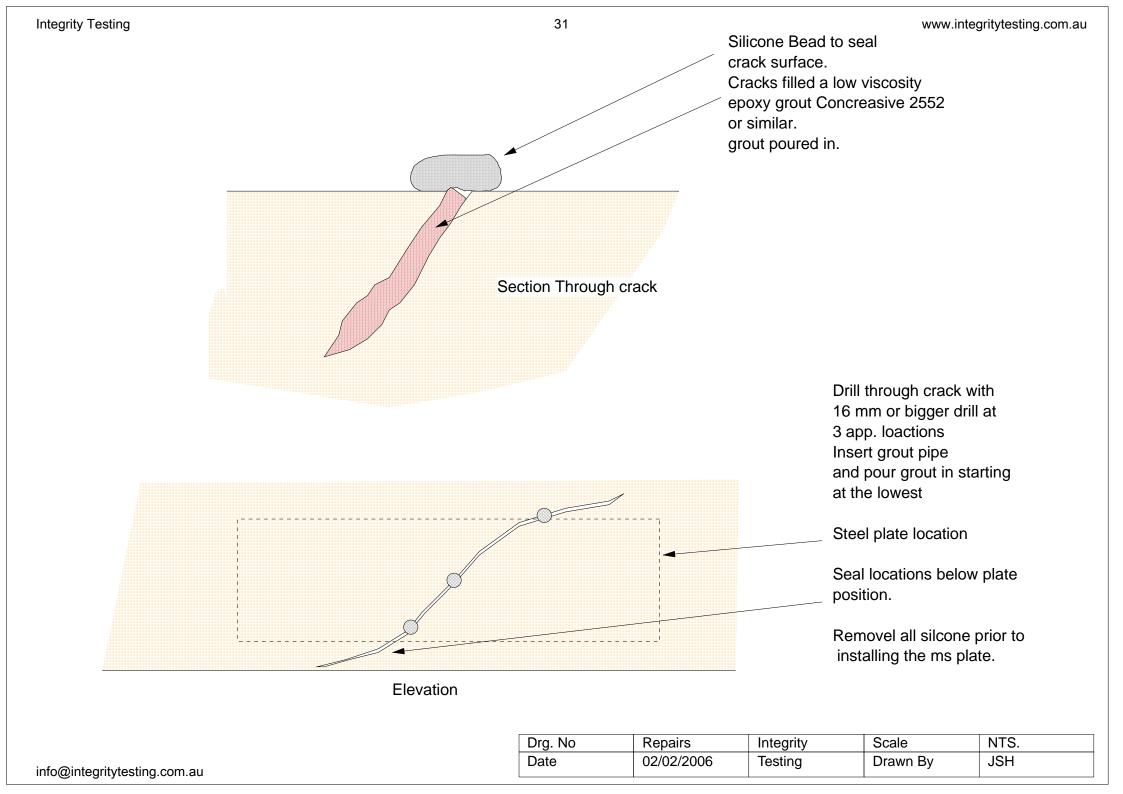


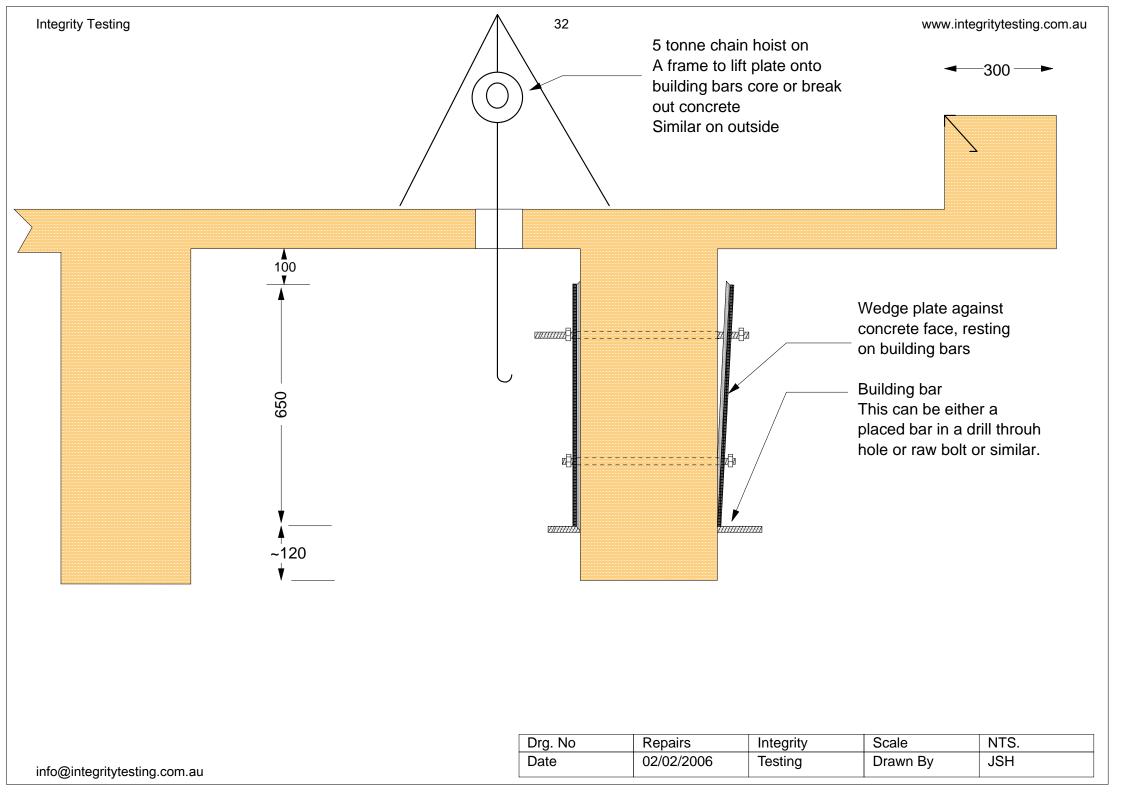


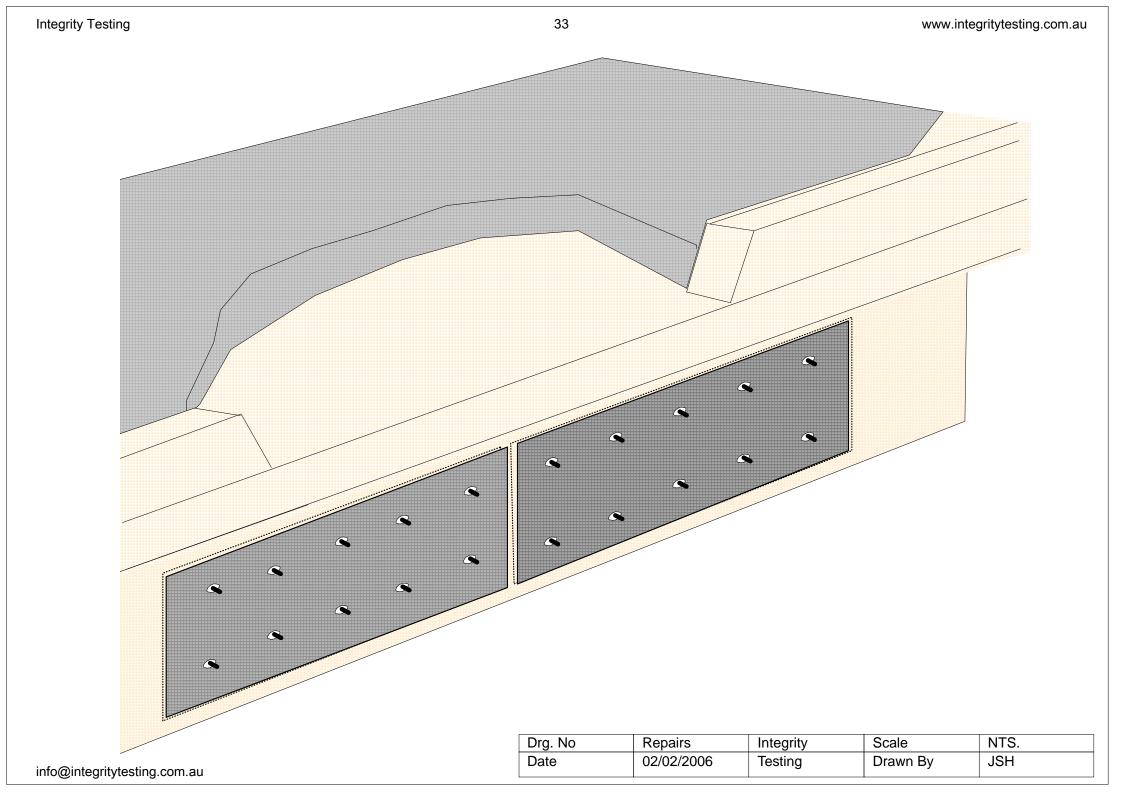
Repair to Precast units Exterior Plating

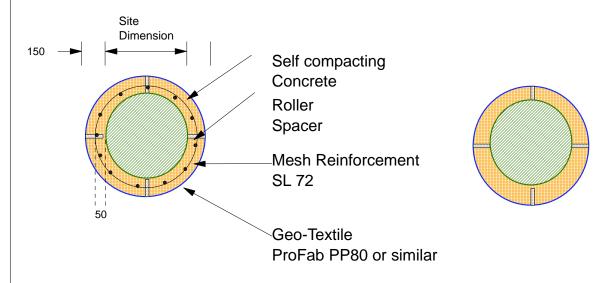
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Date	02/02/2006	Testing	Drawn By	JSH

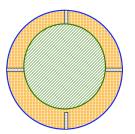












Plan

Concrete sock concrete encasement of existing timber piles

Drg. No	Repairs	Integrity	Scale	NTS.
Date	02/10/2011	Testing	Drawn By	JSH

