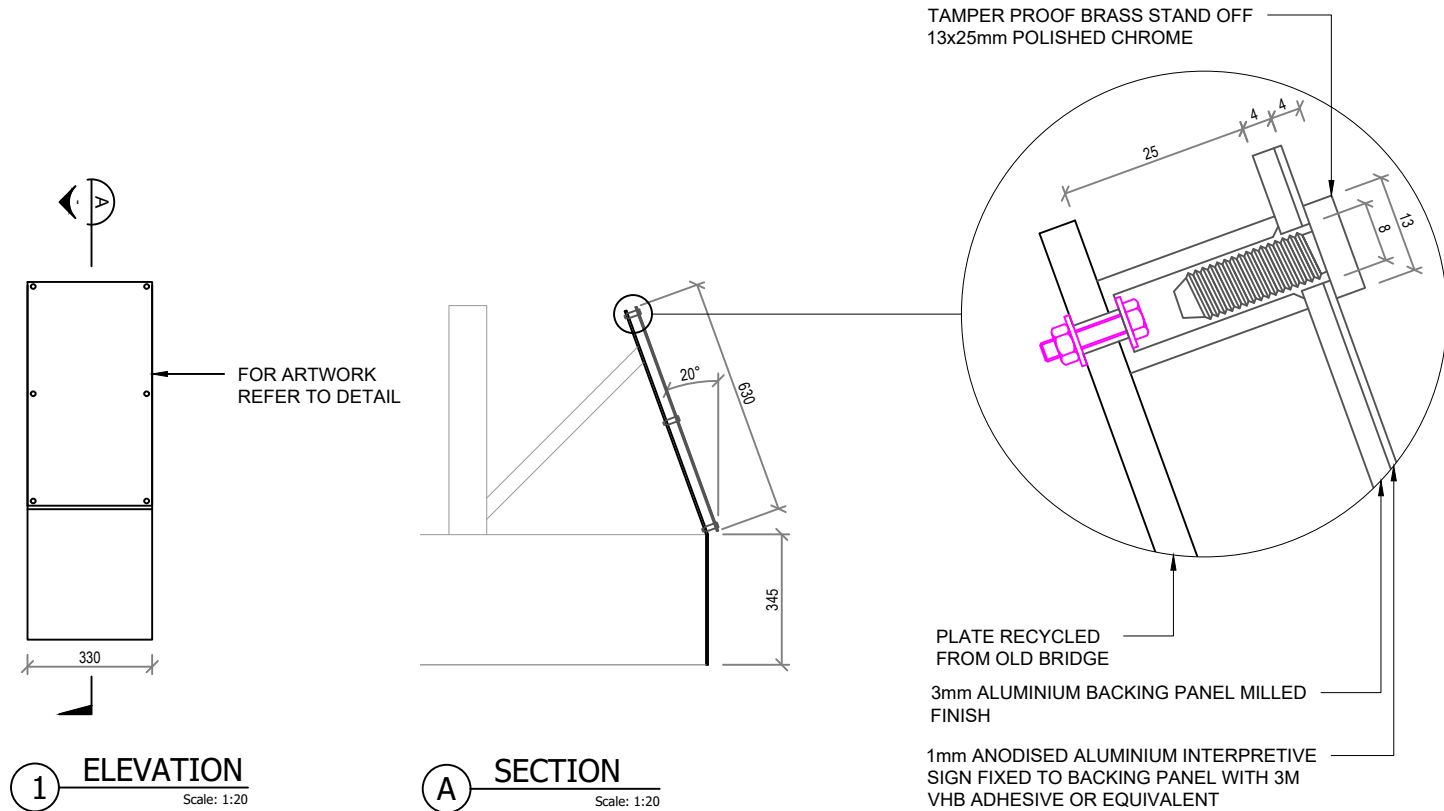


ITEM	VP/K-04
LOCATION	KOONDROOK
THEME	TRANSPORT / TECHNOLOGY / PIN CONNECTION
IMAGE 1	<p>Partial elevation of the de Burgh Truss span of the Barham-Koondrook Bridge. Source: Bridge over Murray River at Barham-Koondrook. Original Plans. Sheet 6 of 20</p>
IMAGE 2	<p>Details of the pin connection and bracing rods. Source: Bridge over Murray River at Barham-Koondrook. Original Plans. Sheet 6 of 20</p>
TEXT 1	<p>The bottom chords of de Burgh trusses were made of two parallel steel plates. This is different from the earlier timber truss bridges which had timber bottom chords and is also different from the later timber truss bridges which had rolled steel channel sections for the bottom chords.</p> <p>The main difference between the de Burgh truss and all other timber truss types is that in the de Burgh truss, the metal tension rods are diagonal rather than vertical. Diagonal tension rods are significantly more complicated to connect than vertical tension rods, so de Burgh introduced a pinned connection at the base and an anchor block connection at the top, unique to this truss type.</p> <p>There were two advantages to the diagonal tension rods. Firstly, the configuration gives greater stiffness than other truss types. Secondly, the timber lengths for the verticals were minimised.</p>



- NOTES**
1. TO BE INSTALLED ON VIEWING PLATFORM AS DETAILED IN LD-402
 2. ALL EDGES TO BE ROUNDED OFF
 3. IMAGES AND TEXT ARE SUBJECT TO CHANGE

<table border="1"> <tr> <th>No.</th> <th>Amendment Description</th> <th>Initials</th> <th>Date</th> </tr> <tr> <td>03</td> <td>100% DOCUMENTATION</td> <td>AM</td> <td>25/06/2018</td> </tr> <tr> <td>02</td> <td>100% DOCUMENTATION</td> <td>MMG</td> <td>23/05/2017</td> </tr> <tr> <td>01</td> <td>FOR INFORMATION</td> <td>MMG</td> <td>2/03/2017</td> </tr> </table>				No.	Amendment Description	Initials	Date	03	100% DOCUMENTATION	AM	25/06/2018	02	100% DOCUMENTATION	MMG	23/05/2017	01	FOR INFORMATION	MMG	2/03/2017	<p>level 3 studio 3 the cooperage 56 bowman street pymont nsw 2009 australia t +61 2 9571 7900 e info@kistudio.com.au www.kistudio.com.au</p>		<p>ROADS AND MARITIME SERVICES BARHAM-KOONDROOK BRIDGE LANDSCAPE DESIGN & HERITAGE INTERPRETATION HERITAGE INTERPRETATION DETAILS VIEWING PLATFORM ARTWORK II</p>		<p>FILE No. 16_07</p>	<p>DRAWING DWG_LD_504</p>	<p>PRINTED DATE 25/06/2018</p>	<p>SHEET No. 18</p>
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<p>A3 original This sheet may be prepared using colour and may be incomplete if copied</p>				<p>Co-ordinate System: MGA Zone 56 Height Datum: A.H.D.</p>		<p>REGISTRATION NUMBER KIS-1607-DWG-LD-504</p>																					