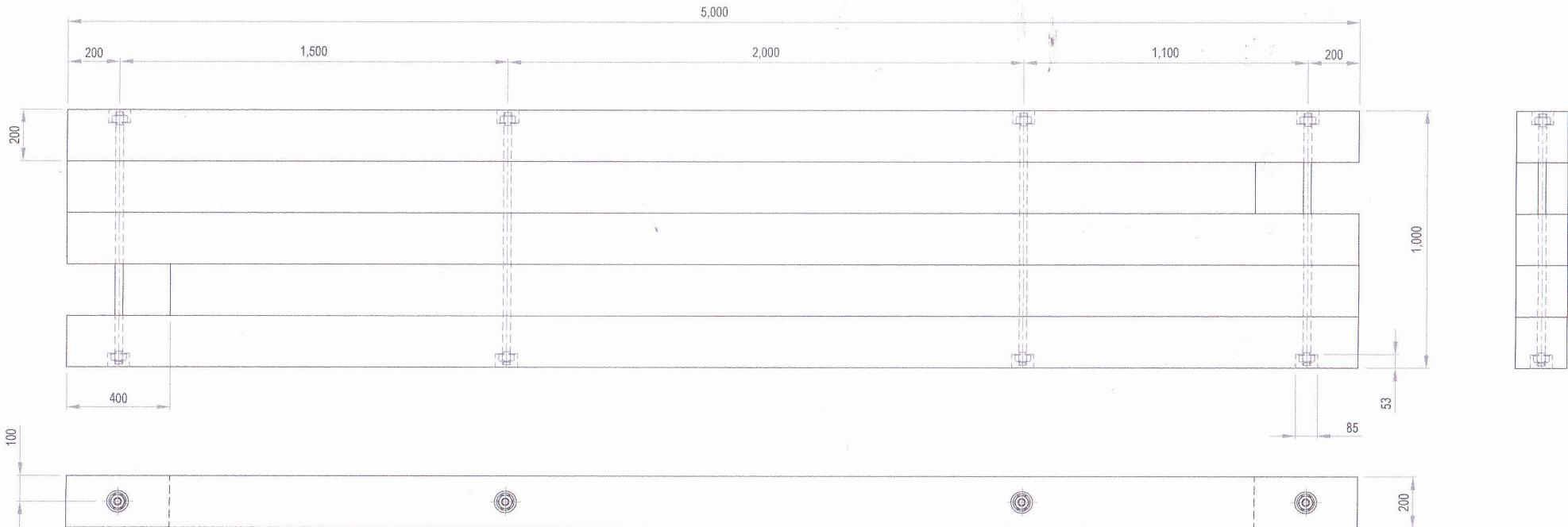


Process	Document owner	Step	Gateways	Document type
Enabling Process	Project Team (Ops/Const. & HSEQ) Design Management	Utilised throughout steps in gateways 2-9	2 - 9	Template (T)

## Temporary Works Design Check Certificate

Project:	Project No: C051/270	Design Brief No:TW012
Project Address:	Certificate No:001	Revision:1
<b>Section of works:</b> Crane Mat design check Crawler crane support mats for various dead load crane track pressures of 100, 200, 300, 400kPa. See assumptions listed in 'Information Checked' section below.		
Information Checked:	<b>Description of Check:</b> Crane Mat arrangement provided by Middlesex Mill, refer to email RE – Crane mat/ramp quote. Mat made up of 6, 250 x 200 blocks, 6m long (using Karri timber) bolted together with 5 grade 8.8 M30 bolts. Crane loads checked are 400, 300, 200, 100kPa Crane track width = 1000mm Min required ground bearing capacity = 100kPa Load duration = 5 days	
Design Criteria and References:	AS/NZS 1170 series – Structural Design Actions AS 1720 series – Timber Structures	
Notes and Observations:	This Design Certificate is valid for 5 years from the time of purchase of the crane mats specified above. Mats are to be visually inspected by a relevant competent person every 12 months after the date of purchase. The design check makes reference to the SELECT Document CapEx Number 2014-01 Timber Crane Mats and Ramps.	
<b>I certify that reasonable professional skill and care have been used in checking the design of the above temporary works and that the design is satisfactory:</b>  Name: Ranji Premaratne CPENG MIEAust  Position: Temporary Works Design Leader  Signature:   Date: 17/09/2014	<b>Distribution:</b> Project File: N/A Site:	



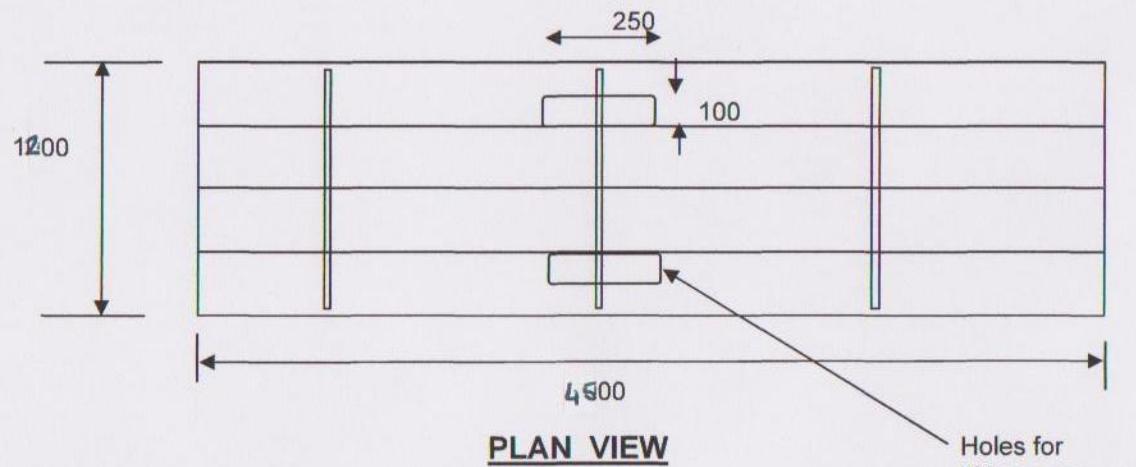
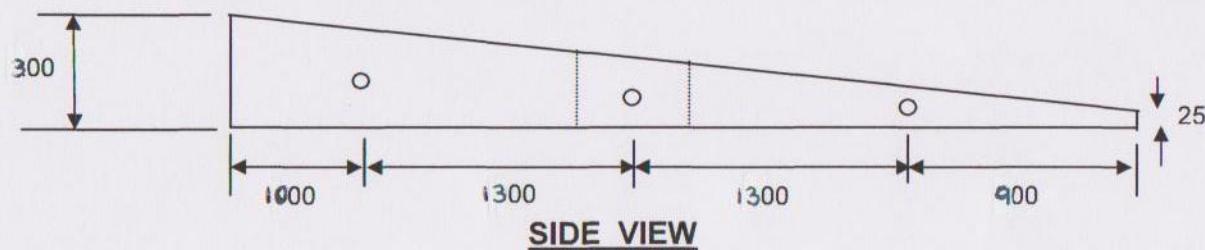
Hard Wood Crane Mat - 5.0m

Detail of Holding Bolts

4 No. Required per Crane Mat  
 Bolts from M30 Grade 8.8 threaded Bar  
 Each C/W 2 No. Grade 8.8 Nuts and flat washers

Client	Site	Heavy Lift Stock		
Title		Crane Mat Hard Wood x 200mm Thick 5.0m Overall Length		
A1 Scale	NTS	A3 Scale	NTS	
Client Drg No.				
Sheet No.	1 of 1	Contract No.		
Drawing No.	HLC-7510-0064	Rev	0	

## Timber RAMP - KARRI HARDWOOD



### Notes

1. 3xM30 Gr8.8 Galv threaded steel rods per mat
2. 2xM30 Gr8.8 Galv washers and 2xM30 Gr8.8 Galv nuts per steel rod