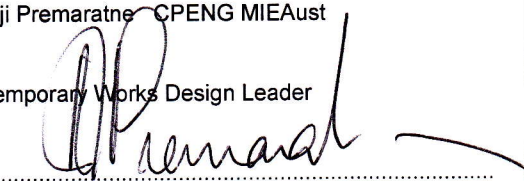
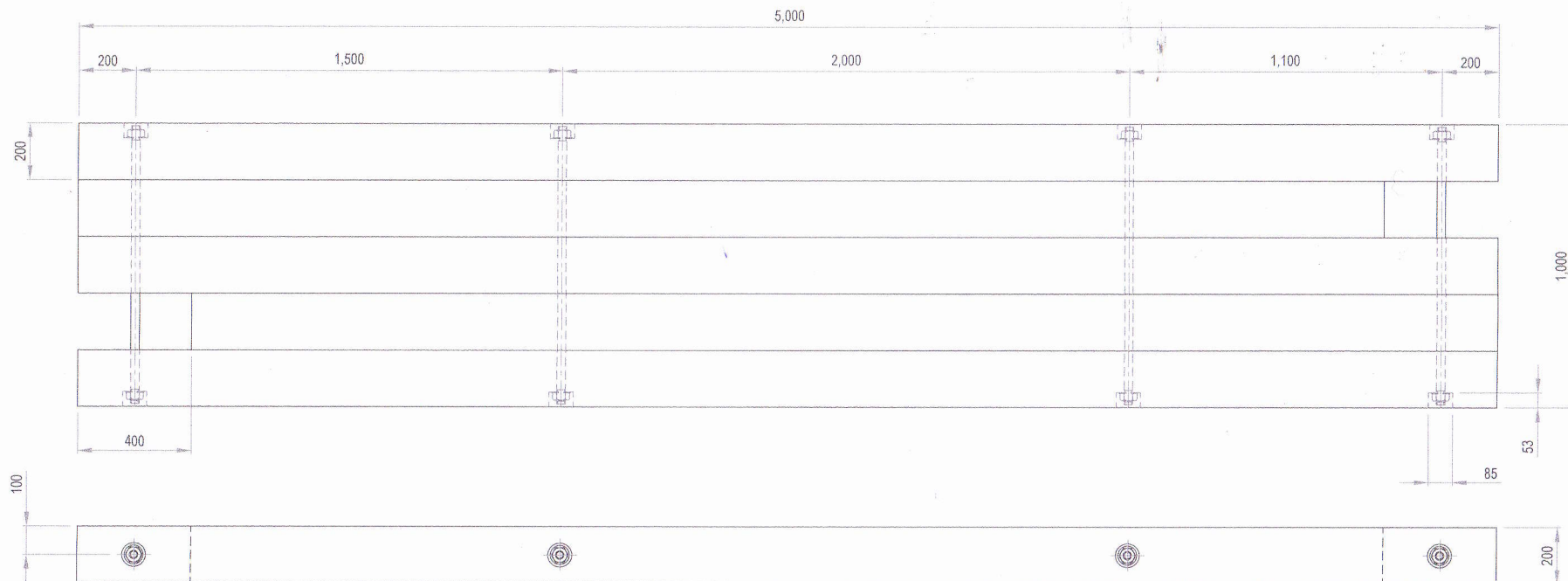
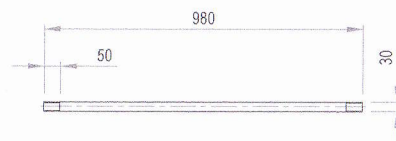


Temporary Works Design Check Certificate

Project:	Project No: C051/270	Design Brief No: TW012
Project Address:	Certificate No: 001	Revision: 1
Section of works: 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: 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	Description of Check: Structural	
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.		
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: Name: Ranji Premaratne CPENG MIEAust Position: Temporary Works Design Leader Signature:  Date: 17/09/2014	Distribution: Project File: N/A Site:	



Hard Wood Crane Mat - 5.0m



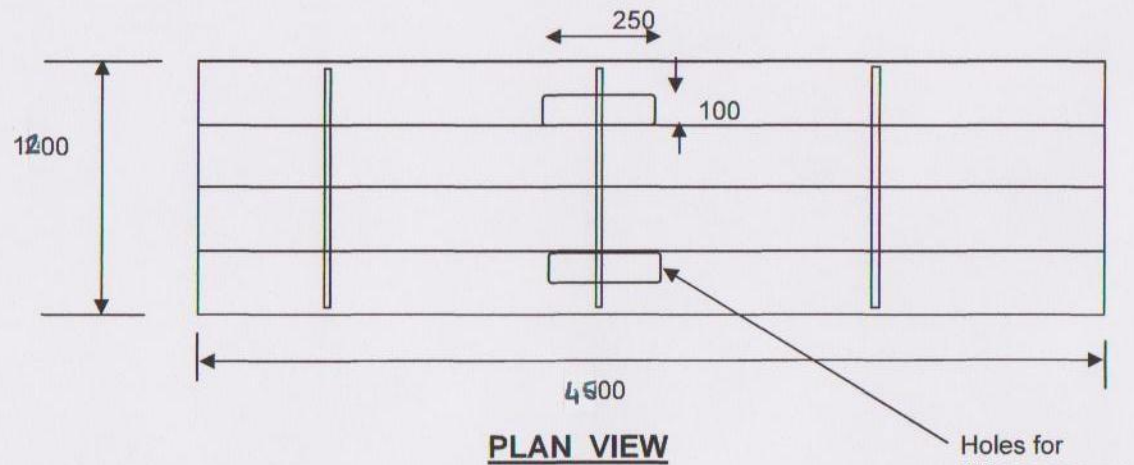
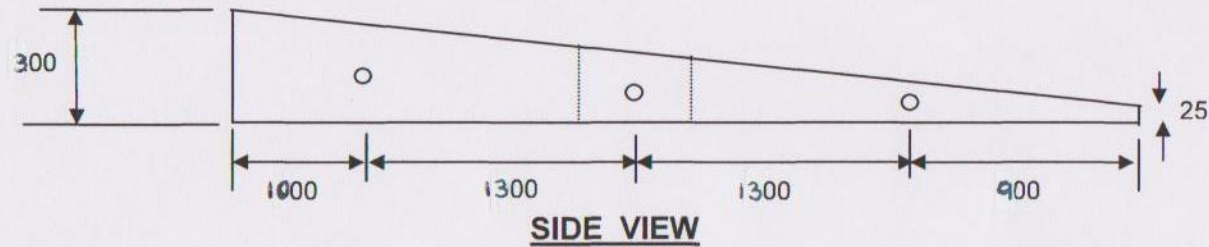
Detail of Holding Bolts

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	Heavy Lift Stock		
Site			
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

Rev.	Date	Reason For Revision	By	Chkd	App'd

Timber RAMP - KARRI HARDWOOD



Holes for
lifting purposes

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