

HSLC

21m High Speed River Ferry



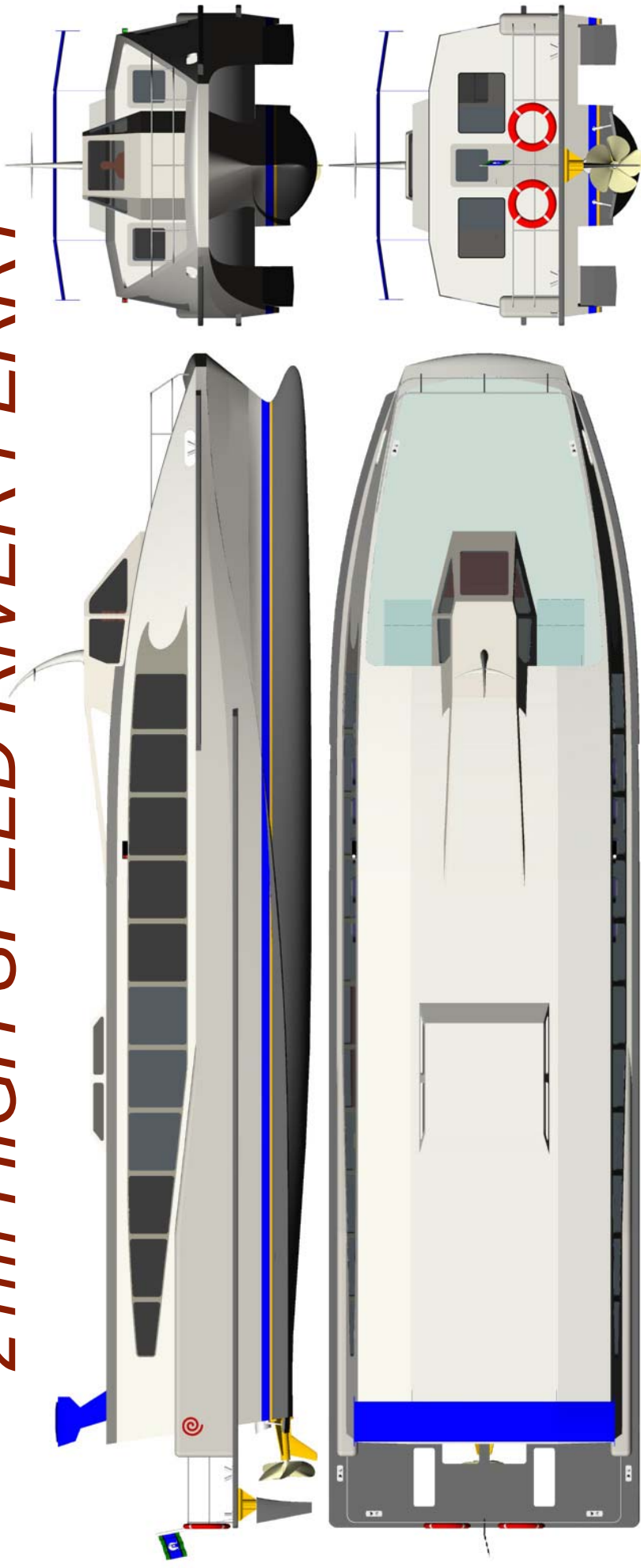
Mark Williamson Design

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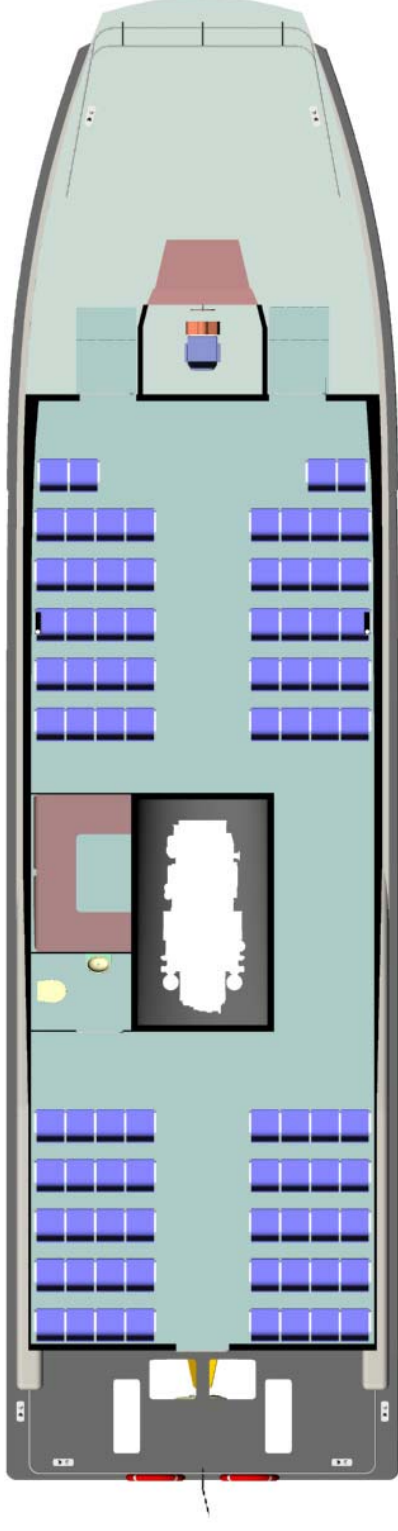


21m HIGH SPEED RIVER FERRY



PRINCIPAL DATA

LOA :	21.0m
LWL :	20.0m
Beam :	5.6m
Draft :	0.80m
Construction:	Marine Grade Aluminium
Main Engines:	MWM TBD616 V16
Gearbox:	1135kW @ 2165rpm
Propulsion:	ZF 25550
Fuel :	1 x SPP
Freshwater:	1 x 2000lts
Speed :	200lts
Passengers:	42 knots
Crew :	84
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21m River Ferry

Vessel Description

VESSEL TYPE: Mid-Engine, round bilge semi-swath Trimaran for river applications

SURVEY AND CLASSIFICATION:

The vessel shall be classed Det Norske Veritas (DNV) with the notation $\times 1A1$ HSLC R5 Passenger, EO, shall comply with the requirements of Queensland Survey USL 1D

STRUCTURE:

Materials (to be inspected as required by Survey Authority and Owners Representative):

Sheet and Plate - Grade 5083-H321, H116, 5086-H32

Extrusions - Grade 6061-T6, 6082-T5

Filler Wire - Grade 5356

Castings - Grade CC601-T1

All welders to be approved by the Survey Authority.



OUTFIT AND FINISHING: The vessel shall be laid out as per the general arrangement drawings and all fittings and equipment required for the operation of the vessel shall be supplied.

LAYOUT

Main Deck: Passenger Seating for 84 (750mm pitch), wheelhouse, Kiosk, 1 x toilet.

FITOUT

Floors: Main Access, WHS, : "Aquadeck"
Internal Passenger Space : 100% Wool Carpet

External Decks : Non-skid paint

Linings: Sides: Aluminium honeycomb panels (Ayr-lite)
Bulkheads: Aluminium honeycomb panels (Ayr-lite)

AIR CONDITIONING SYSTEM: Reverse cycle system is based on an water cooled compressor nit linked up to a multiple number of fan coil units. Design of the system shall be based upon an ambient operating temperature of 35°C (95% RH) and sea water of 30°C. Crew spaces to be cooled/heated to 21°C (50% RH).

NAVIGATION and COMMUNICATION EQUIPMENT:

Furuno Model 1510 15" Radar with 6ft antenna 15mtr cable ARP17 Plotter GCY8 Gyro converter

JMC 1400 Dual frequency sounder 50/200 1kw

JMC NP-30NT with GPS ANTENNA

ICOM-IC-M700 complete with tuner and Banten HF antenna

Icom IC-M502 VHF Radio with Banten antenna

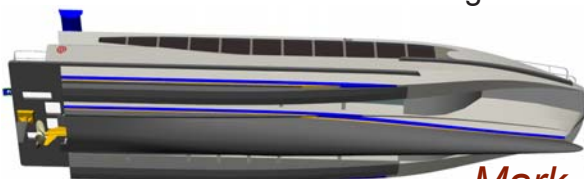
Sailor C2906 Inmarsat C VMS unit

KVH Trac phone Inmarsat M

Navicontrol Autopilot 3003 Gold with second station

Cetrek "Poseidon" compass

Den Haan DHR CS-220 Searchlight



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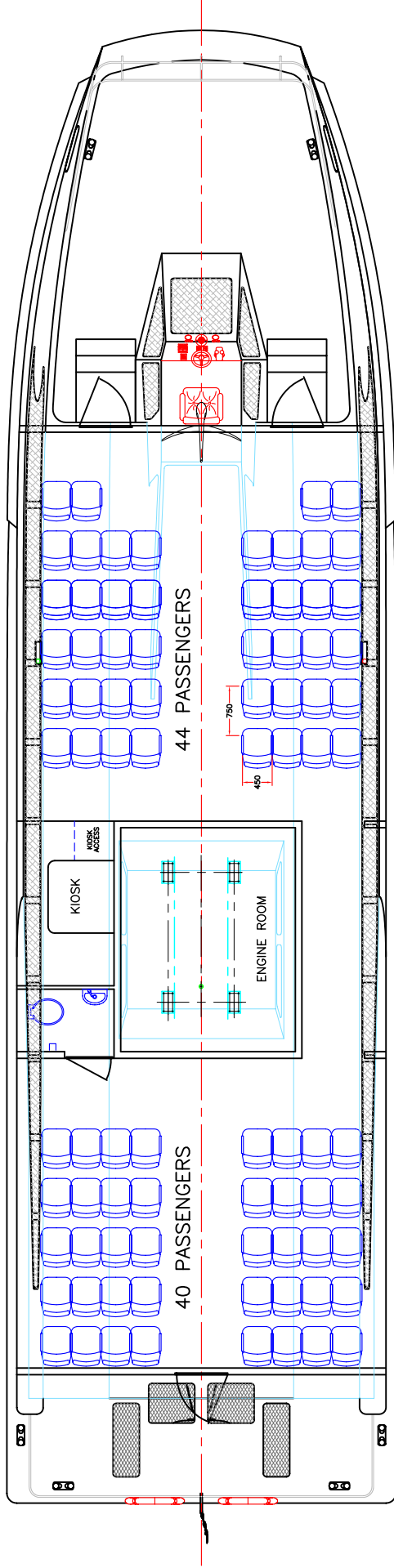
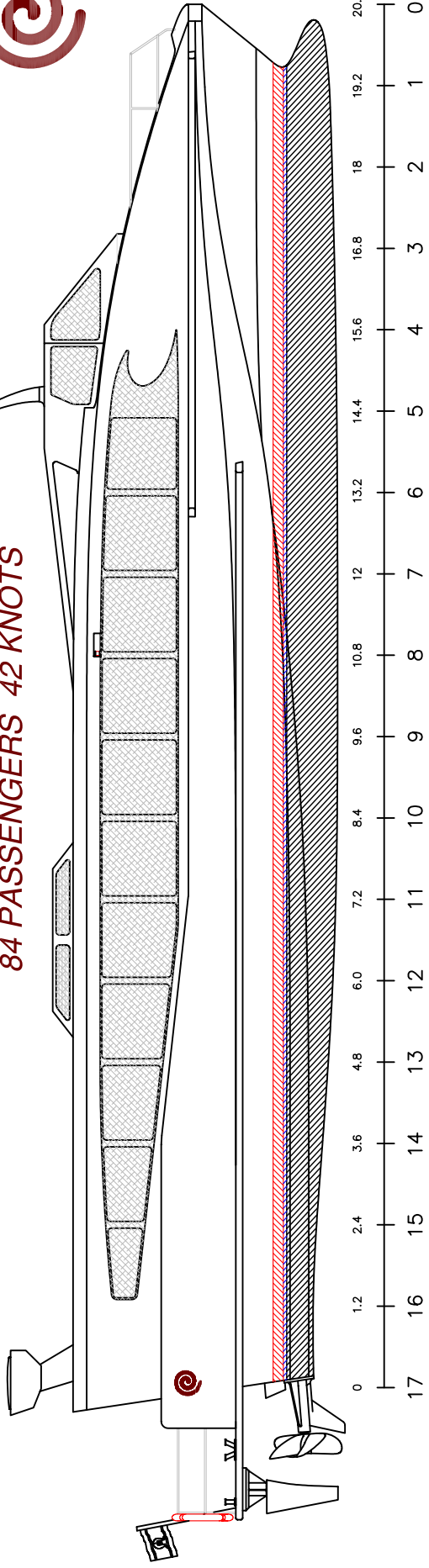
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21m TRIMARAN RIVER FERRY

84 PASSENGERS 42 KNOTS



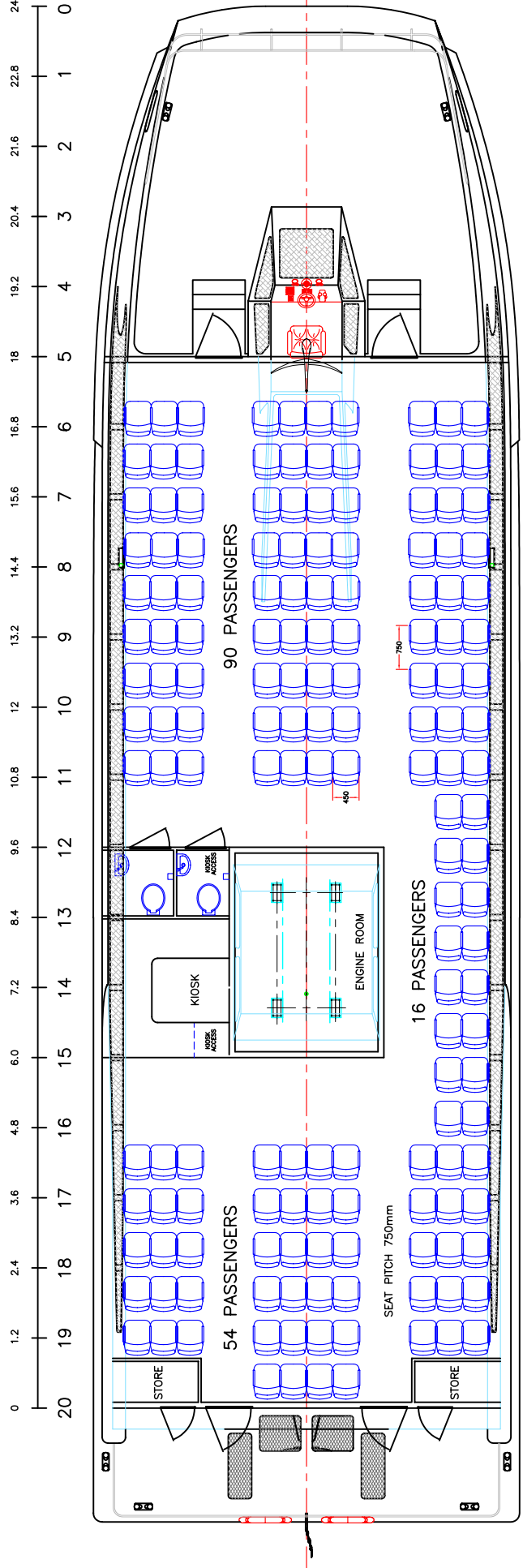
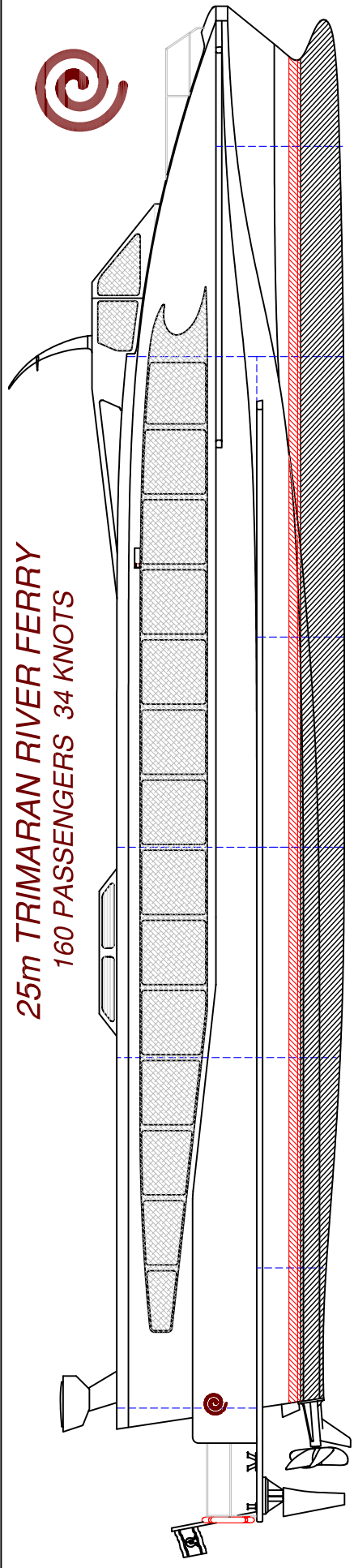
LOA: 21.0m **FUEL:** 2000lts **MAIN ENGINES:** 1 x MWM TBD616 V16
LWL: 20.0m **WATER:** 200lts **1135kw @2165rpm**
BEAM: 5.6m **PASSENGERS:** 84 **GEARBOX:** 1 x ZF BW2550
DRAFT: 0.8m **SPEED:** 41.8knots **PROPULSION:** SPP

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VESSEL:	21m TRIMARAN RIVER FERRY
TITLE:	GENERAL ARRANGEMENT
DWG No:	21TR-100
DATE:	18/2/2004
SCALE:	
DRAWN:	MDW

25m TRIMARAN RIVER FERRY
160 PASSENGERS 34 KNOTS



LOA:	24.6m	FUEL:	2000lts	MAIN ENGINES:	1 x MWM TBD616 V16
LWL:	23.6m	WATER:	500lts		1135kw @ 2165rpm
BEAM:	7.0m	PASSENGERS:	160	GEARBOX:	2 x ZF BW2550
DRAFT:	0.8m	SPEED:	34knots	PROPULSION:	SSP

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VESSEL:	25m TRIMARAN RIVER FERRY
TITLE:	GENERAL ARRANGEMENT
DWG No:	25TR-100
SCALE:	
DATE:	24/2/2004
DRAWN:	MDW