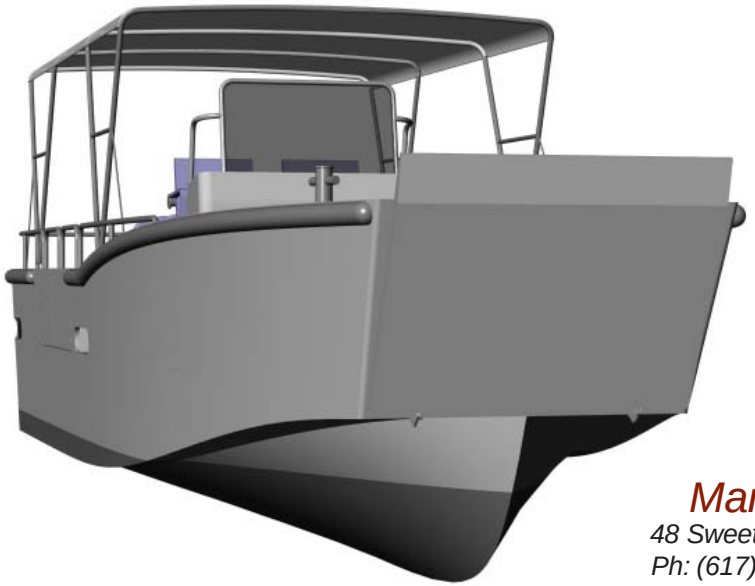
LightCraft

Aluminium Workboats

8.2m Landing Craft







Mark Williamson Design

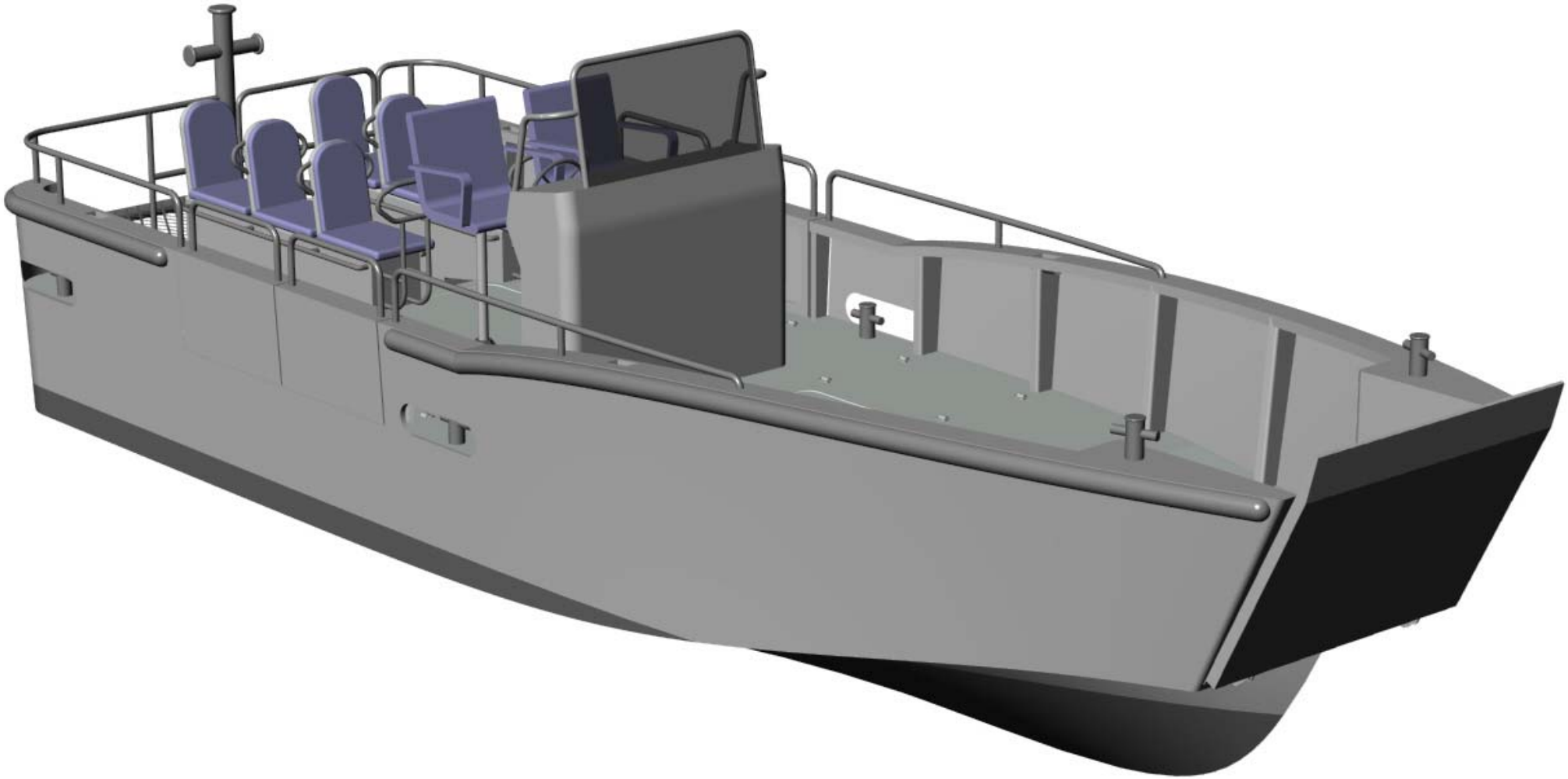
48 Sweetgum St, Ashmore Qld 4214, Australia

Ph: (617) 5597 3521 *www.mwdesign.net.au*

LightCraft

Aluminium Workboats

8.2m Landing Craft



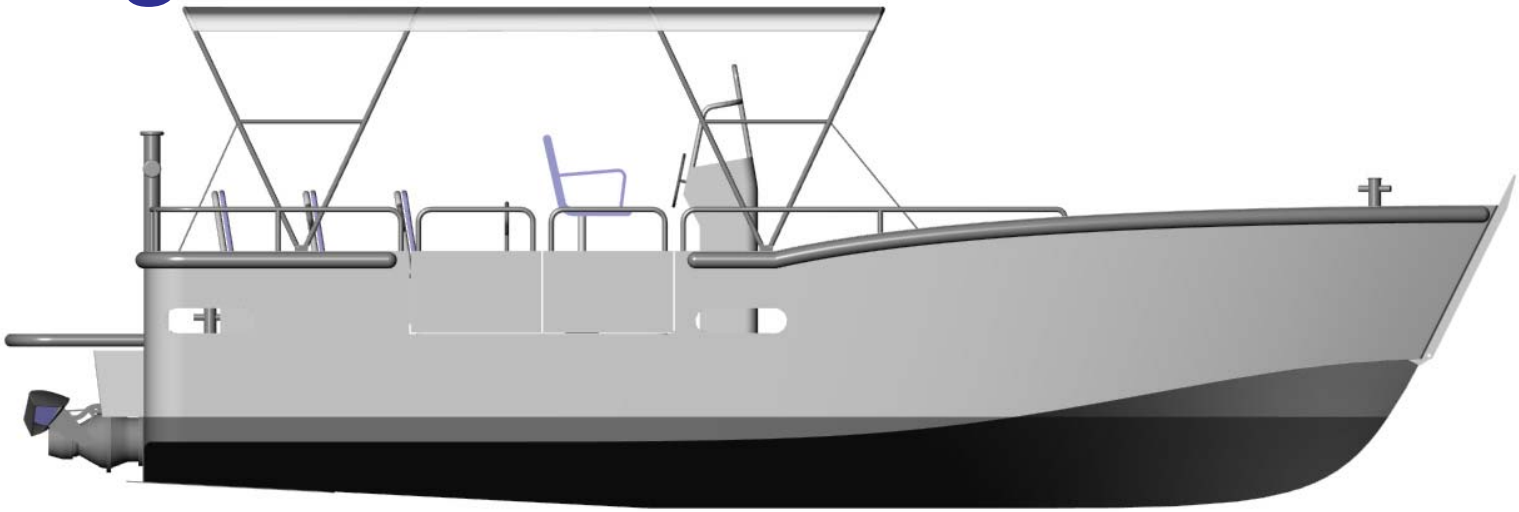
Mark Williamson Design

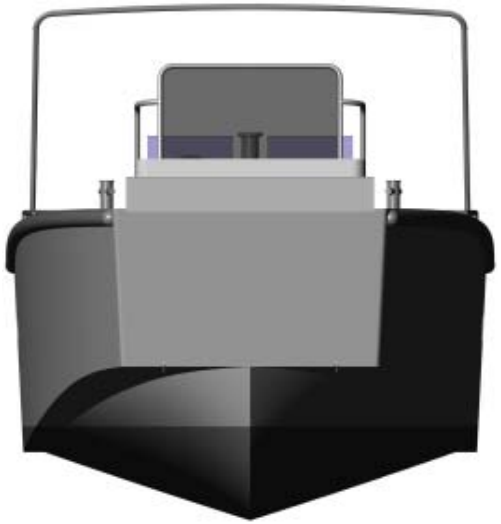
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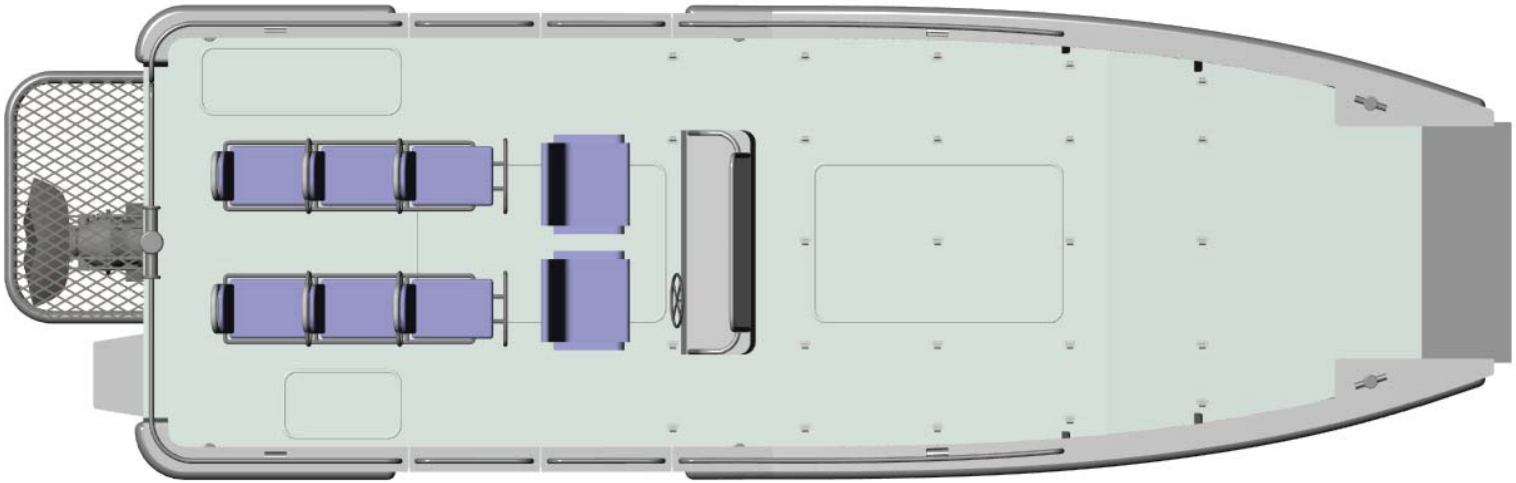
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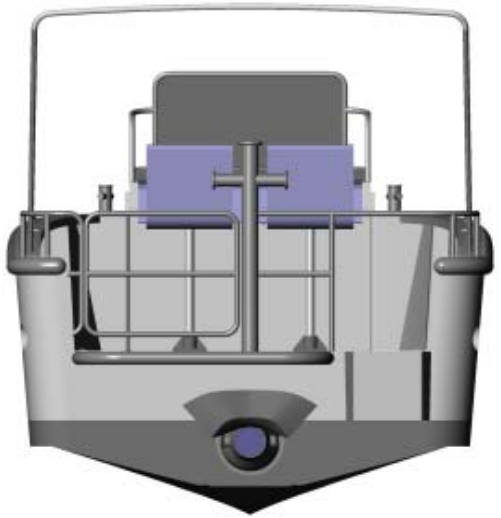
LightCraft

8.2m Landing Craft









LOA :	9.1m
Lmoulded:	8.2m
LWL :	7.5m
Beam :	2.8m
Bchine:	2.55m
Deadrise:	18deg.

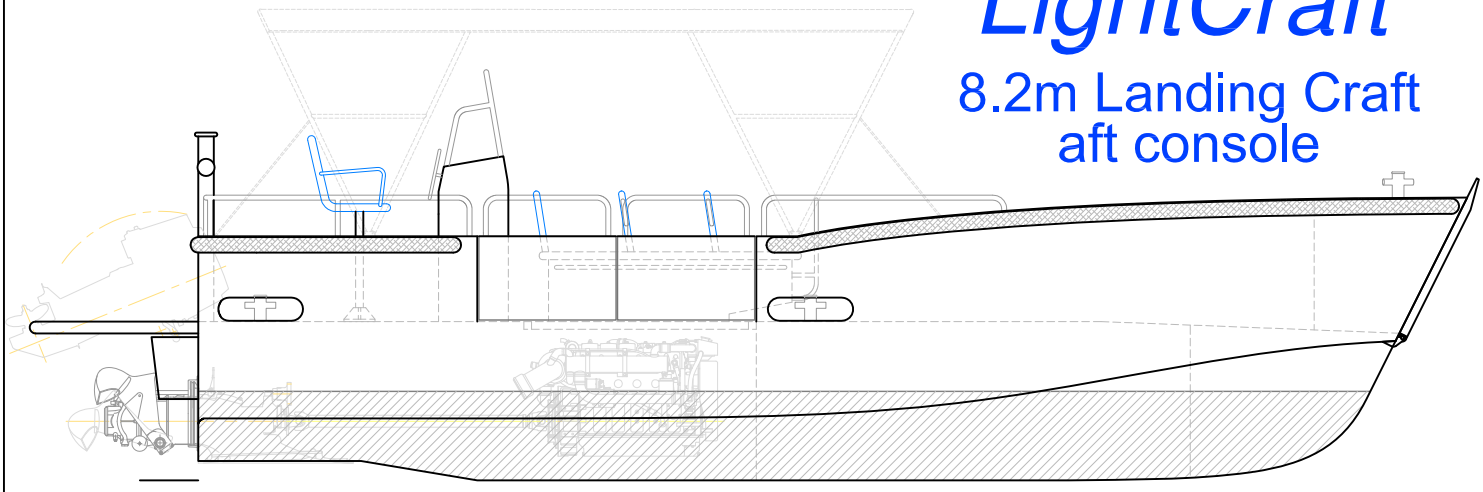
Survey: USL 2C
6+2 Offshore Operations 30nm

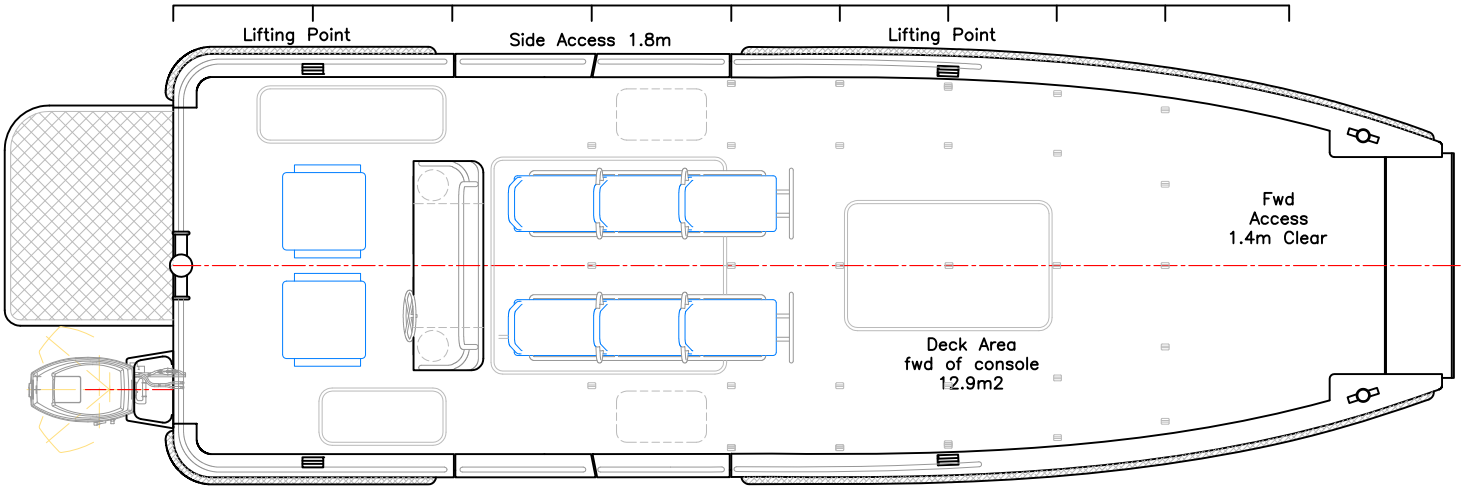
Construction :
Marine Grade Aluminium

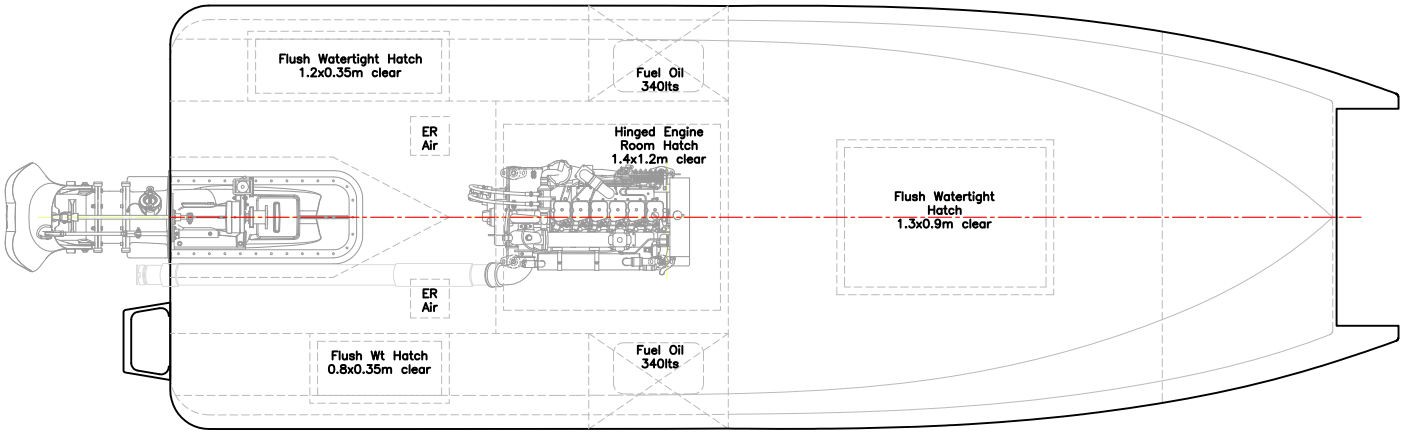
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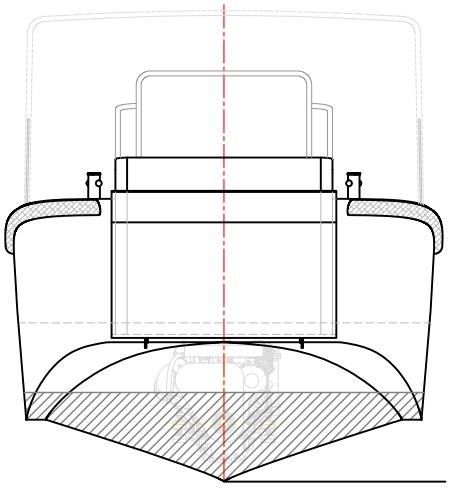
LightCraft

8.2m Landing Craft
aft console









LOA:	9.1m	SPEED max:	30knots (1.87t dwt)
Lmoulded:	8.2m	SPEED cruise:	20knots (1.59t dwt)
LWL:	7.5m	RANGE:	590nm (1t payload)
Bmoulded:	2.8m	PAYLOAD max1:	1.75 tonnes
Bchine:	2.65m	PAYLOAD max2:	6x130kg+750kg Cargo
Deadrise @ trsm:	18deg	CLEAR WIDTH:	1.4m (fwd)
DRAFT(max):	0.6m	PASSENGERS:	6
FUEL:	2x340ts	CREW:	2
MAIN ENGINES:	Cummins QSB5.9 355hp @ 2800rpm	SURVEY:	USL 2C (restricted offshore 30nm)
		CONSTRUCTION:	MARINE GRADE ALUMINIUM
PROPULSION:	Hamilton HJ274		
AUXILLARY:	55hp Mercury Seapro		

LightCraft
Aluminium Workboats

VESSEL: 8.2m Landing Craft
TITLE: GENERAL ARRANGEMENT
DWG No: LC8-100 | DATE: 1/10/2010 | SCALE: | DRAWN: MDW

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8.2m Landing Craft - Weight Summary

Cummmins/hj274

Load Conditons (aft console layout)

LC 1 - Lightship

				WEIGHT kg	LCG m	VCG m
Lightship				3062	2.87	0.80
fuel - main	10%	700	0.82	57	2.39	0.36
water	0%	0	1.00	0	0.00	0.00
sullage	0%	0	1.00	0	0.00	0.00
crew/effects		2	105	210	1.25	2.05
stores 1				100	2.05	1.65
cargo		0	1000	0	4.40	1.35
pax		0	130	0	3.00	2.05
deadweight				367	1.65	1.68
condition 1				**3429**	**2.74**	**0.90**

m

LC 2 - Range

Lightship				3062	2.87	0.80
fuel - main	50%	700	0.82	287	2.39	0.51
water	0%	0	1.00	0	0.00	0.00
sullage	0%	0	1.00	0	0.00	0.00
crew/effects		2	130	260	1.25	2.05
stores				100	2.05	1.65
cargo		1	1000	1000	4.40	1.35
pax		0	130	0	3.00	2.05
deadweight				1647	3.41	1.33
departure condition				**4709**	**3.06**	**0.99**

Range @ 20knots, 550nm

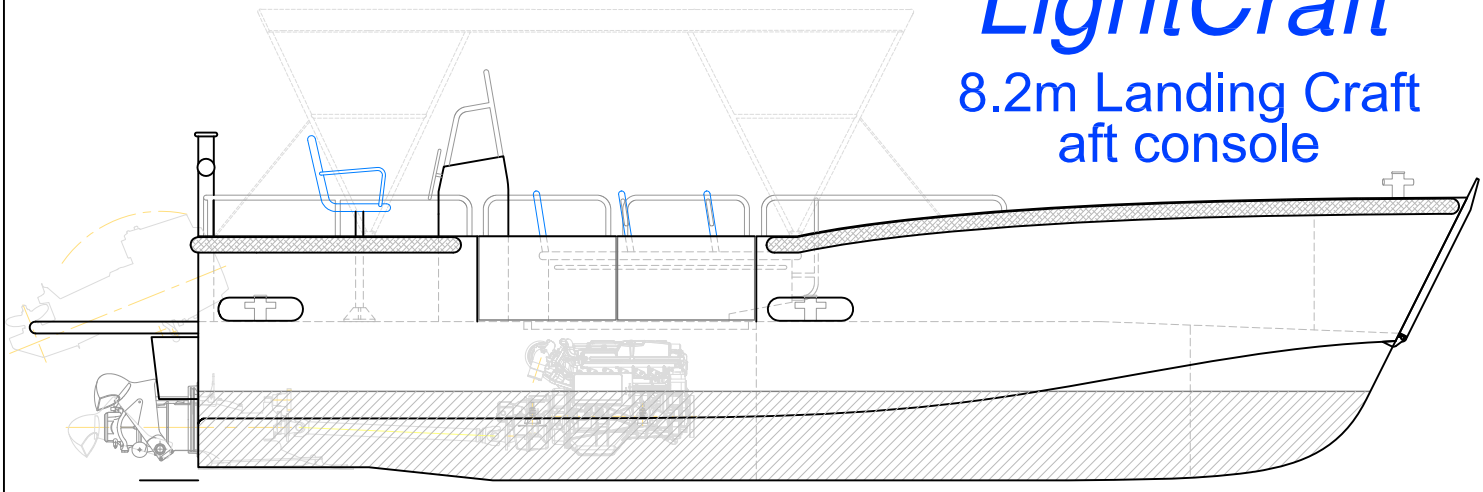
LC 3 - Departure Cargo

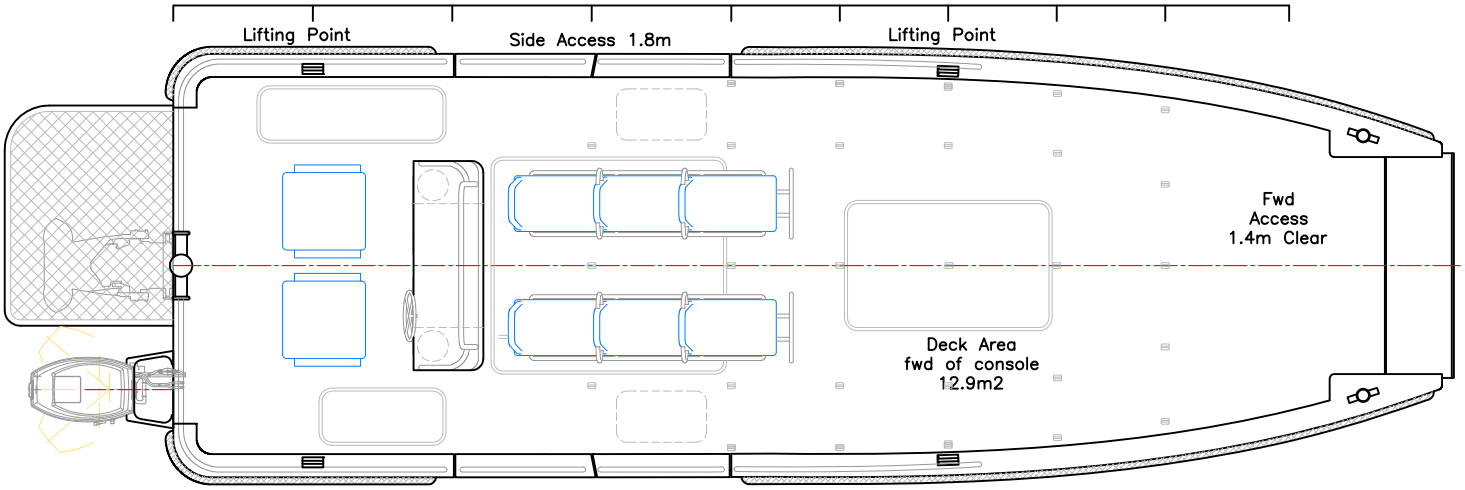
Lightship				3062	2.87	0.80
fuel - main	100%	700	0.82	574	2.39	0.67
water	0%	0	1.00	0	0.00	0.00
sullage	0%	0	1.00	0	0.00	0.00
crew/effects		2	105	210	1.25	2.05
stores				100	2.05	1.65
cargo		1	1000	1000	4.40	1.35
pax		0	130	0	3.00	2.05
deadweight				1884	3.31	1.24
departure condition				**4946**	**3.04**	**0.97**

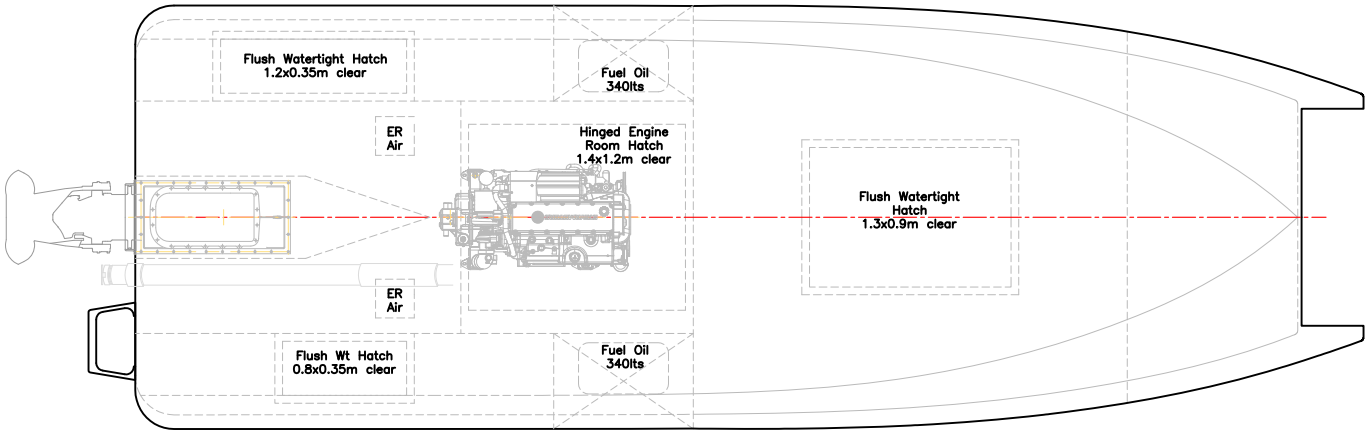
Estimated Speed 30knots

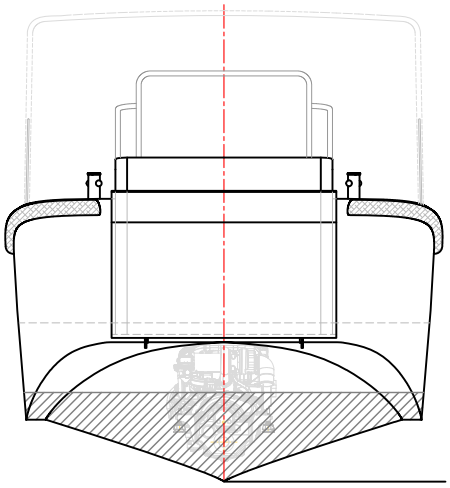
LightCraft

8.2m Landing Craft
aft console









LOA:	9.1m	SPEED max:	25knots (1.87t dwt)
Lmoulded:	8.2m	SPEED cruise:	20knots (1.59t dwt)
LWL:	7.5m	RANGE:	500nm (1t payload)
Bmoulded:	2.8m	PAYLOAD max1:	1.75 tonnes
Bchine:	2.65m	PAYLOAD max2:	6x130kg+750kg Cargo
Deadrise @ trsm:	18deg	CLEAR WIDTH:	1.4m (fwd)
DRAFT(max):	0.6m	PASSENGERS:	6
FUEL:	2x340ts	CREW:	2
MAIN ENGINES:	Steyr M306	SURVEY:	USL 2C (restricted offshore 30nm)
	295hp @ 4300rpm	CONSTRUCTION:	MARINE GRADE ALUMINIUM
GEARBOX:	ZF63		
PROPULSION:	Hamilton HJ274		
AUXILLARY:	55hp Mercury Seapro		

LightCraft
Aluminium Workboats

VESSEL: 8.2m Landing Craft
TITLE: GENERAL ARRANGEMENT
DWG No: LC8.2-100 | DATE: 2/7/2011 | SCALE: | DRAWN: MDW

SCY Design
Naval Architecture & Marine Industrial Design
48 Sweetgum St, Ashmore, Queensland 4214, Australia
Ph: 617 5597 3521 www.scy.net.au

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8.2m Landing Craft - Weight Summary

Steyr295/hj274

Load Conditons (aft console layout)

LC 1 - Lightship

				WEIGHT kg	LCG m	VCG m
Lightship				2814	2.87	0.88
fuel - main	10%	680	0.82	56	3.15	0.38
water	0%	0	1.00	0	0.00	0.00
sullage	0%	0	1.00	0	0.00	0.00
crew/effects		2	105	210	1.20	2.05
stores 1				100	1.20	1.65
cargo		0	1000	0	4.00	1.35
pax		0	130	0	3.00	2.05
deadweight				366	1.50	1.69
condition 1				**3179**	**2.71**	**0.97**

m

LC 2 - Range

Lightship				2814	2.87	0.88
fuel - main	50%	680	0.82	279	3.15	0.46
water	0%	0	1.00	0	0.00	0.00
sullage	0%	0	1.00	0	0.00	0.00
crew/effects		2	105	210	1.20	2.05
stores				100	1.20	1.65
cargo		1	1000	1000	4.00	1.35
pax		0	130	0	3.00	2.05
deadweight				1589	3.30	1.31
departure condition				**4402**	**3.02**	**1.03**

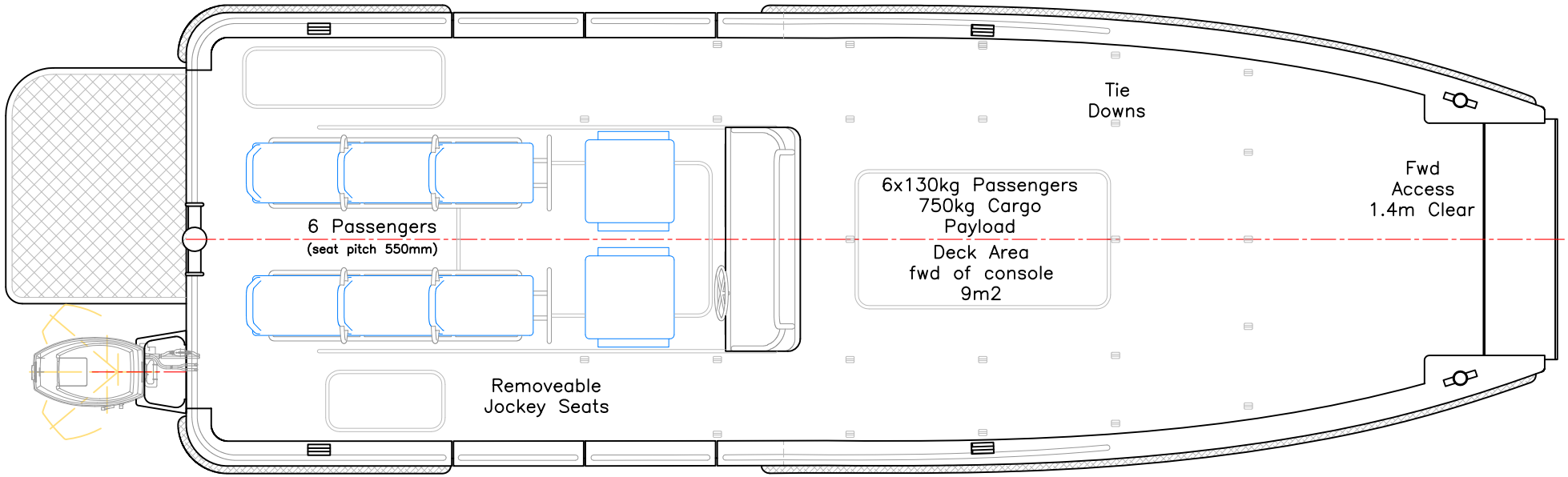
Range @ 20knots, 500nm

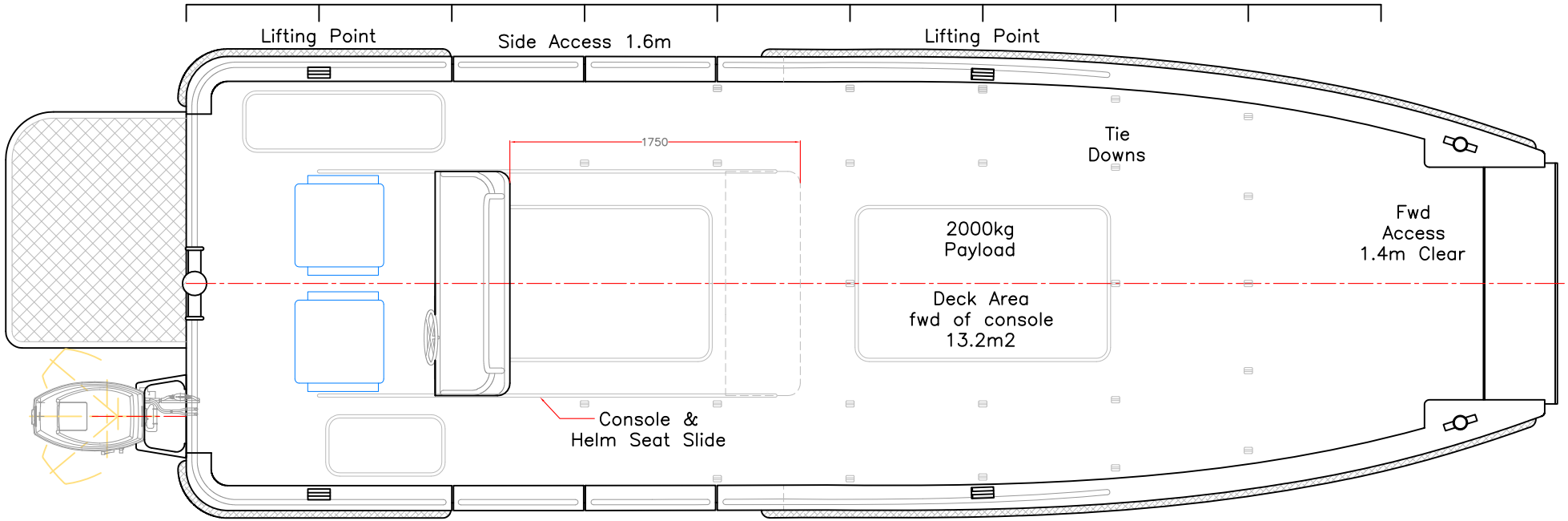
LC 3 - Departure Cargo

Lightship				2814	2.87	0.88
fuel - main	100%	680	0.82	558	3.15	0.68
water	0%	0	1.00	0	0.00	0.00
sullage	0%	0	1.00	0	0.00	0.00
crew/effects		2	105	210	1.20	2.05
stores				100	1.20	1.65
cargo		1	1000	1000	4.00	1.35
pax		0	130	0	3.00	2.05
deadweight				1868	3.28	1.24
departure condition				**4681**	**3.03**	**1.03**

Estimated Speed 25knots

Passenger Layout - Centre Console





Cargo Layout - Aft Console

LightCraft Aluminium Workboats

VESSEL: 8.2m Landing Craft

TITLE: Deck Layouts : Sliding Console Option

DWG No: LC8-100a

DATE: 13/9/2010

SCALE:

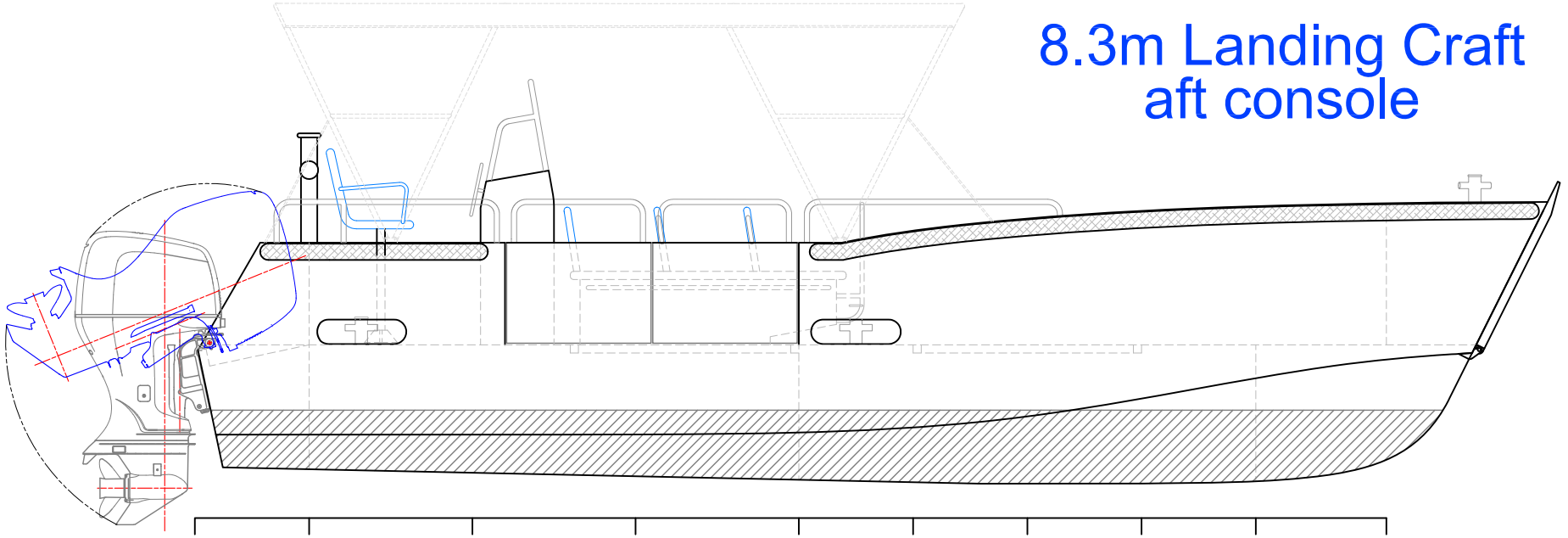
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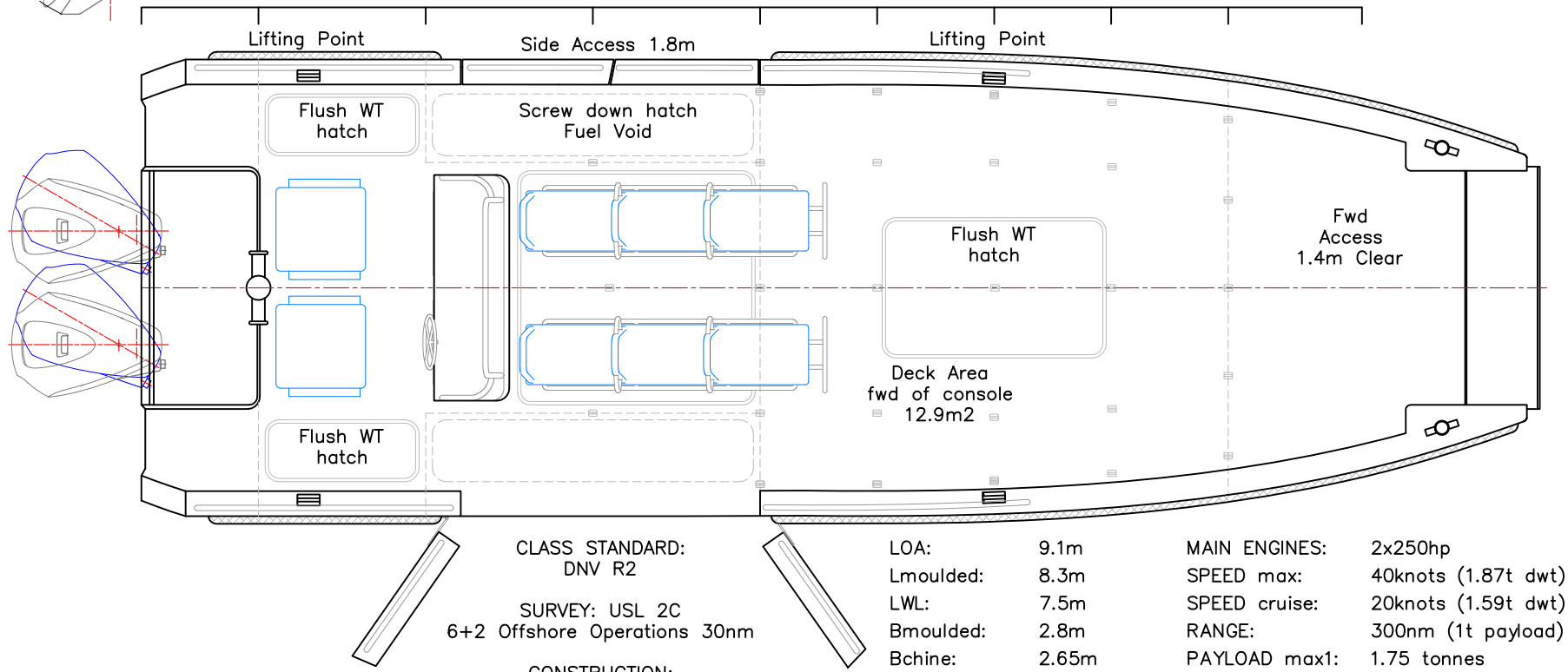
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8.3m Landing Craft aft console





CLASS STANDARD:
DNV R2

SURVEY: USL 2C
6+2 Offshore Operations 30nm

CONSTRUCTION:
MARINE GRADE ALUMINIUM

LOA:	9.1m	MAIN ENGINES:	2x250hp
Lmoulded:	8.3m	SPEED max:	40knots (1.87t dwt)
LWL:	7.5m	SPEED cruise:	20knots (1.59t dwt)
Bmoulded:	2.8m	RANGE:	300nm (1t payload)
Bchine:	2.65m	PAYLOAD max1:	1.75 tonnes
Deadrise:	18deg	PAYLOAD max2:	6x130kg+750kg Cargo
DRAFT(max):	0.45m	CLEAR WIDTH:	1.4m (fwd)
FUEL:	2x200ts		

LightCraft Aluminium Workboats

VESSEL: 8.3m Landing Craft
TITLE: GENERAL ARRANGEMENT
DWG No: LC8.3-100
DATE: 2/7/2011
SCALE:
DRAWN: MDW

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