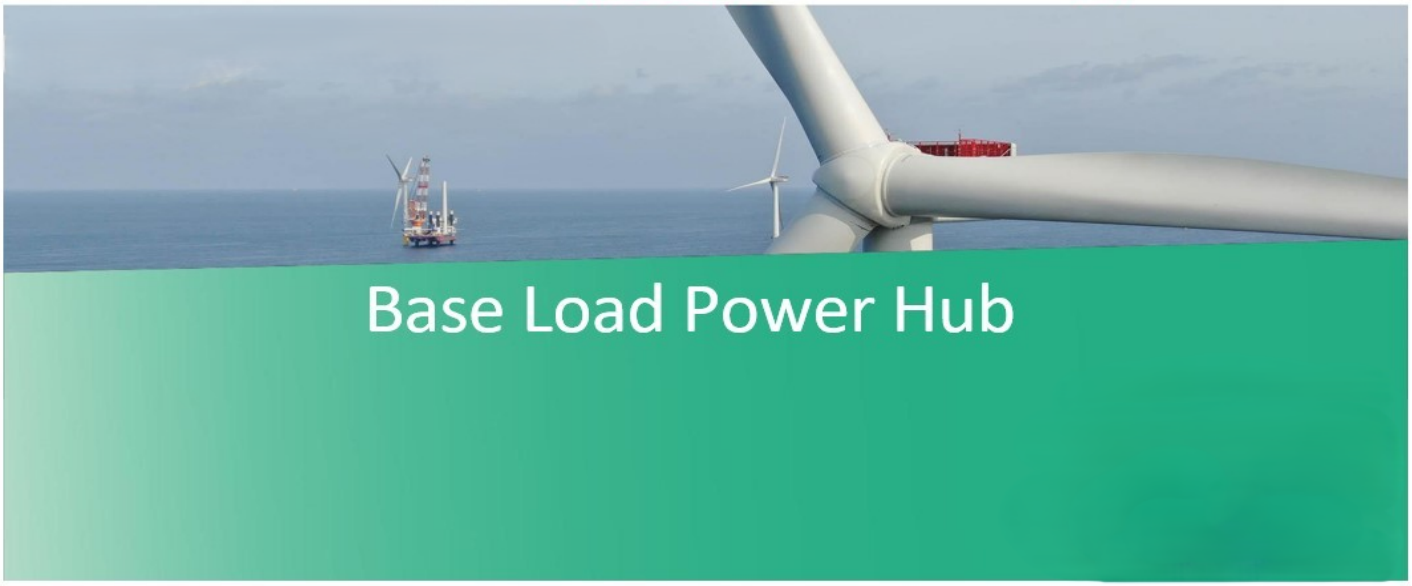
CROSSWIND

ROSETTI MARINO

PROVERLIS

PROJECT **123A90 - HOLLANDSE KUST NOORD WIND PARK**
BLPH Project



MECHANICAL COMPLETION DOSSIER (ONSHORE)

SYSTEM	76 Escape & Personnel Safety
SUBSYSTEM	76-30 Life Raft

CROSSWIND	123A90 - HOLLANDSE KUST NOORD WIND PARK BLPH Project MECHANICAL COMPLETION DOSSIER INDEX	ROSETTI MARINO

Sub System N°:	76-30	Tick as appropriate	ONSHORE	O
Description:	Life Raft		OFFSHORE	NA

1.	***READY FOR COMMISSIONING CERTIFICATE*** *Ready For Commissioning Certificate (RFC)*	O
2.	***CONSOLIDATED PUNCH LISTS*** *Cleared and Residual Items*	O
3.	***SYSTEM/SUB-SYSTEM LIMIT DRAWINGS*** *Mark-up drawings showing the limits of the relevant System/Sub-System*	NA
4.	***MECHANICAL COMPLETION STATUS INDEX – BUILDING DISCIPLINE*** *Building Sub-System Status Index (Print out) and Check/Test sheets*	NA
5.	***MECHANICAL COMPLETION STATUS INDEX – ELECTRICAL DISCIPLINE*** *Electrical Sub-System Status Index (Print out) and Check/Test Sheets* *Hazardous Area Equipment Detailed Inspection*	NA
6.	***MECHANICAL COMPLETION STATUS INDEX - INSTRUMENTAL DISCIPLINE*** *Instrumental Sub-System Status Index (Print out) and Check/Test Sheets*	NA
7.	***MECHANICAL COMPLETION STATUS INDEX - MECHANICAL DISCIPLINE*** *Mechanical SubSystem Status Index (Print out) and Check/Test Sheets*	NA
8.	***MECHANICAL COMPLETION STATUS INDEX - TELECOMMUNICATION DISCIPLINE*** *Telecommunication Sub-System Status Index (Print out) and Check/Test Sheets*	NA
9.	***MECHANICAL COMPLETION STATUS INDEX - HVAC DISCIPLINE*** *HVAC Sub-System Status Index (Print out) and Check/Test Sheets*	NA
10.	***MECHANICAL COMPLETION STATUS INDEX - PIPING DISCIPLINE*** *Piping Sub-System Status Index and Check/Test Sheets*	NA
11.	***MECHANICAL COMPLETION INDEX - SAFETY DISCIPLINE*** *Safety Sub-System Status Index (Print out) and Check/Test Sheets*	O
12.	***FAT / VENDOR REPORTS*** *Fat reports issued by vendors and/or vendor reports*	NA
13.	***MECHANICAL COMPLETION CHANGES / MARK-UPS*** *A copy of the changes initiated during the Mechanical Completion process pertaining to the relevant Sub-System will be incorporated in this section*	NA

Note: Under the generic terminology “Building” are also covered the following disciplines: **Structural, Painting**

Under the generic terminology “Instrumental” is also covered the following discipline: **Fire & Gas**

ROSETTI MARINO

123A90 - HOLLANDSE KUST NOORD WIND PARK
BLPH Project

CROSSWIND

Ready For Commissioning (RFC) Certificate

COMPLETE	●	PARTIAL	

Revision:	1		Issued on:	2025-05-08	
System:	76	/	Escape & Personnel Safety		
SubSystem:	76-30	/	Life Raft		

1	COMPANY has, at its option and if required, reviewed the mechanical completion associated with the above-named system/sub-system of the SCOPE and observed that such functional sub-system has been brought into readiness for commencement of the associated pre-commissioning and commissioning activities, but for the outstanding punch list items, if any, attached and referred in this Certificate.
2	Issuance of this Certificate shall not release CONTRACTOR from any of his obligations, responsibilities or liabilities under the CONTRACT.
3	Mechanical Completion Status Index attached (per Discipline) Punch List report attached (Outstanding and Cleared)

PUNCH LIST	PENDING POINTS	
Note: All Category "A" Items must be cleared prior to issue a Ready For Commissioning (RFC) Certificate	A 0'	B 4

REMARKS:

	CONTRACTOR Construction Manager	**CONTRACTOR** Commissioning Manager	**COMPANY** Construction Lead (if required)	**COMPANY** Commissioning Lead (if required)
Name	Wolmer Borghi	Anthony Iveson	CPY NOT PRESENT	CPY NOT PRESENT
Date	2025-05-09	2025-05-12	2025-05-12	2025-05-12
Signature	PROVERLIS Digitaly signed by Wolmer Borghi 2025-05-09T06:12:25.106Z	PROVERLIS Digitaly signed by Anthony Iveson 2025-05-12T08:25:57.136Z	PROVERLIS Digitaly signed by CPY NOT PRESEN 2025-05-12T09:22:19.189Z	PROVERLIS Digitaly signed by CPY NOT PRESEN 2025-05-12T09:22:27.579Z

Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 76-30 & process: MC

Safety	76-30 Life Raft						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
Descent_Device_LD	Descent Device	ONSHORE	C10004499	CYX17	100	2025-05-07	RFC 1
Descent_Device_TP	Descent Device	ONSHORE	C10004500	CYX17	100	2025-05-07	RFC 1
YLB-079001	Liferafts Descent Device	ONSHORE	C10004497	CYX17	100	2025-05-08	RFC 1
YLB-079002	Liferafts Descent Device	ONSHORE	C10004498	CYX17	100	2025-05-08	RFC 1

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	76	Escape & Personnel Safety
SUBSYSTEM	76-30	Life Raft

Safety

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30004373	B	YLB-079001 C10004497	The fixing rope is not installed.	.		Gtangianu 2025-05-08			
C30004374	B	YLB-079001 C10004497	TheTRAFOLITE TAG is not installed.	.		Gtangianu 2025-05-08			
C30004375	B	YLB-079002 C10004498	TheTRAFOLITE TAG is not installed.	.		Gtangianu 2025-05-08			
C30004376	B	YLB-079002 C10004498	The fixing rope is not installed.	.		Gtangianu 2025-05-08			

Section 2 CONSOLIDATED PUNCH LISTS

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 76 Escape & Personnel Safety

SUBSYSTEM 76-30 Life Raft

Safety

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30004373	B	YLB-079001 C10004497	The fixing rope is not installed.	.		Gtangianu 2025-05-08	2025-05-14	Gtangianu 2025-05-14	2025-05-14
C30004374	B	YLB-079001 C10004497	TheTRAFOLITE TAG is not installed.	.	Trafolite tag installed.	Gtangianu 2025-05-08	RDegliEsposti 2025-07-07	RDegliEsposti 2025-07-07	2025-07-07
C30004375	B	YLB-079002 C10004498	TheTRAFOLITE TAG is not installed.	.	Trafolite tag installed.	Gtangianu 2025-05-08	RDegliEsposti 2025-07-07	RDegliEsposti 2025-07-07	2025-07-07
C30004376	B	YLB-079002 C10004498	The fixing rope is not installed.	.		Gtangianu 2025-05-08	2025-05-14	Gtangianu 2025-05-14	2025-05-14

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30004376

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10004498	1.4 Discipline	Safety
1.2 Item	YLB-079002	Liferafts Descent Device	
1.3 Subsystem	76-30	Life Raft	

2 - OBSERVATION

The fixing rope is not installed.

Name: Giovanni Tangianu
Date: 2025-05-08
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2025-05-08
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Trafolite tag installed.

Name:
Date: 2025-05-14
Signature:

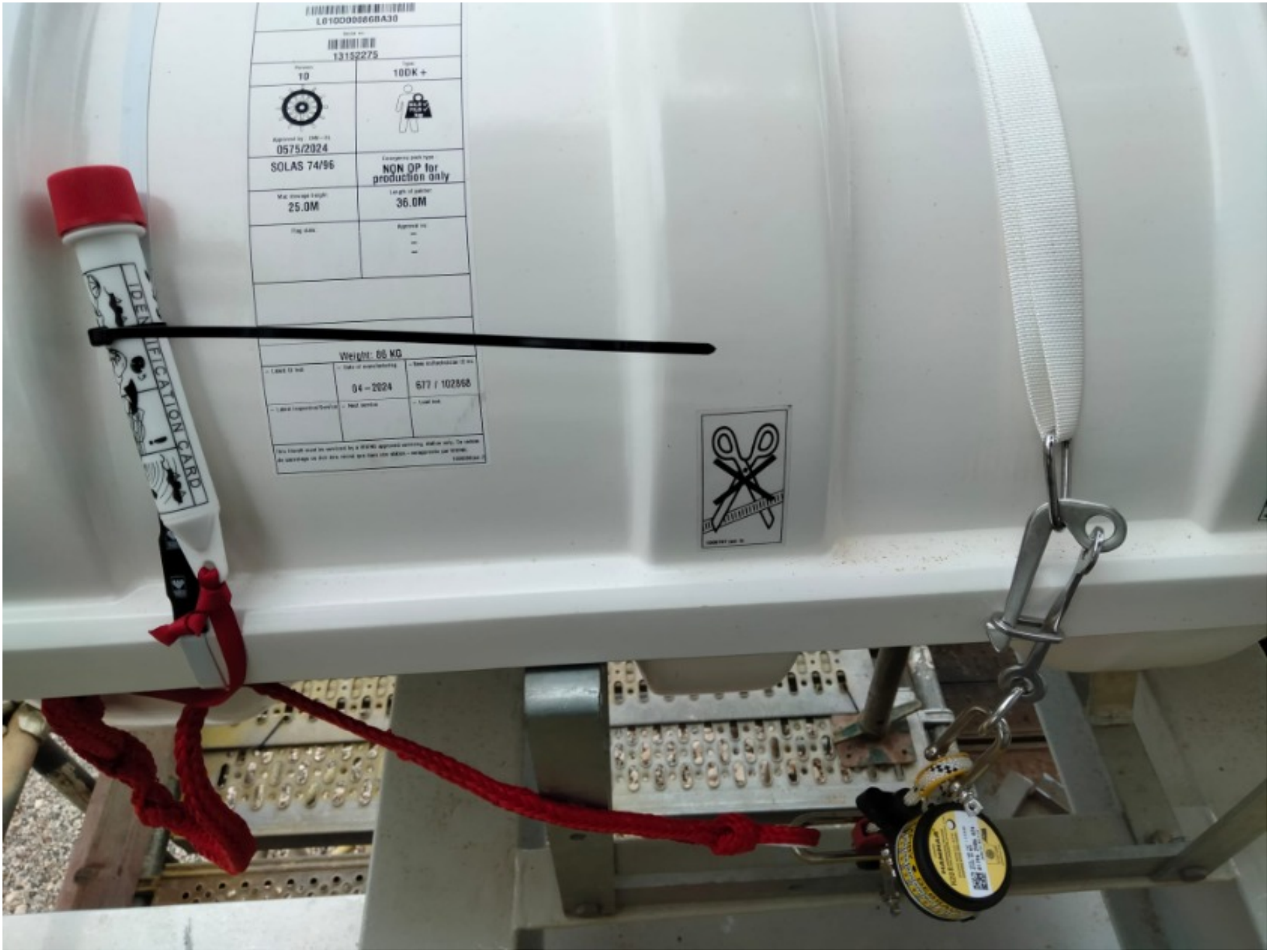
5 - CLEARANCE CHECK

The rope was installed.See attached photo.

Name: Giovanni Tangianu
Date: 2025-05-14
Signature:

6- CLEARANCE APPROVAL

Name:
Date: 2025-05-14
Signature:


13152275
10
10DK+
0575/2024
SOLAS 74/96
NON OP for production only
25.0M
36.0M
Weight: 86 KG
04 – 2024
677 / 102868


Manual release
1
2
3
4
5
SOLAS 74/96
25.0M
35.0M

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30004373

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10004497	1.4 Discipline	Safety
1.2 Item	YLB-079001	Liferafts Descent Device	
1.3 Subsystem	76-30	Life Raft	

2 - OBSERVATION

The fixing rope is not installed.

Name: Giovanni Tangianu
Date: 2025-05-08
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2025-05-08
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Trafolite tag installed.

Name:
Date: 2025-05-14
Signature:

5 - CLEARANCE CHECK

The rope was installed.See attached photo.

Name: Giovanni Tangianu
Date: 2025-05-14
Signature:

6- CLEARANCE APPROVAL

Name:
Date: 2025-05-14
Signature:




276.
Weight: 86 KG
04 – 2024
677 / 102868

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30004374

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10004497	1.4 Discipline	Safety
1.2 Item	YLB-079001	Liferafts Descent Device	
1.3 Subsystem	76-30	Life Raft	

2 - OBSERVATION

TheTRAFOLITE TAG is not installed.

Name: Giovanni Tangianu

Date: 2025-05-08

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2025-05-08
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Trafolite tag installed.

Name: Raffaele Degli Esposti

Date: 2025-07-07

Signature:

5 - CLEARANCE CHECK

Name: Raffaele Degli Esposti

Date: 2025-07-07

Signature:

6- CLEARANCE APPROVAL

Name:

Date: 2025-07-08

Signature:

ROSETTI MARINO CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30004375

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10004498	1.4 Discipline	Safety
1.2 Item	YLB-079002	Liferafts Descent Device	
1.3 Subsystem	76-30	Life Raft	

2 - OBSERVATION

TheTRAFOLITE TAG is not installed.

Name: Giovanni Tangianu

Date: 2025-05-08

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2025-05-08
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Trafolite tag installed.

Name: Raffaele Degli Esposti

Date: 2025-07-07

Signature:

5 - CLEARANCE CHECK

Name: Raffaele Degli Esposti

Date: 2025-07-07

Signature:

6- CLEARANCE APPROVAL

Name:

Date: 2025-07-08

Signature:

Section 3 SYSTEM,SUB-SYSTEM LIMIT DRAWINGS

NOT APPLICABLE

Section 4 MECHANICAL COMPLETION STATUS INDEX - BUILDING DISCIPLINE

NOT APPLICABLE

Section 5 MECHANICAL COMPLETION STATUS INDEX - ELECTRICAL DISCIPLINE

NOT APPLICABLE

Section 6 MECHANICAL COMPLETION STATUS INDEX - INSTRUMENTAL DISCIPLINE

NOT APPLICABLE

Section 7 MECHANICAL COMPLETION STATUS INDEX - MECHANICAL DISCIPLINE

NOT APPLICABLE

Section 8 MECHANICAL COMPLETION STATUS INDEX - TELECOMMUNICATION DISCIPLINE

NOT APPLICABLE

Section 9 MECHANICAL COMPLETION STATUS INDEX - HVAC DISCIPLINE

NOT APPLICABLE

Section 10 MECHANICAL COMPLETION STATUS INDEX - PIPING DISCIPLINE

NOT APPLICABLE

Section 11 MECHANICAL COMPLETION INDEX - SAFETY DISCIPLINE

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 76-30 & process: MC & discipline : S

Safety	76-30 Life Raft						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
Descent_Device_LD	Descent Device	ONSHORE	C10004499	CYX17	100	2025-05-07	RFC 1
Descent_Device_TP	Descent Device	ONSHORE	C10004500	CYX17	100	2025-05-07	RFC 1
YLB-079001	Liferafts Descent Device	ONSHORE	C10004497	CYX17	100	2025-05-08	RFC 1
YLB-079002	Liferafts Descent Device	ONSHORE	C10004498	CYX17	100	2025-05-08	RFC 1

ROSETTI MARINO

CROSSWIND

ITEM	Tag	YLB-079001	: Liferafts Descent Device			Dwg	123A90-DDL-SAF-DL-30026
	S/Sys	76-30	: Life Raft			Module	LD_B-400_Ext
TASK	code	C10004497		Location	Onshore Activities	User	Rosetti Marino Quality Control
FORM	Process	MC	Activity CCK	Discipline	Safety	Form	CYX17 Descent Device

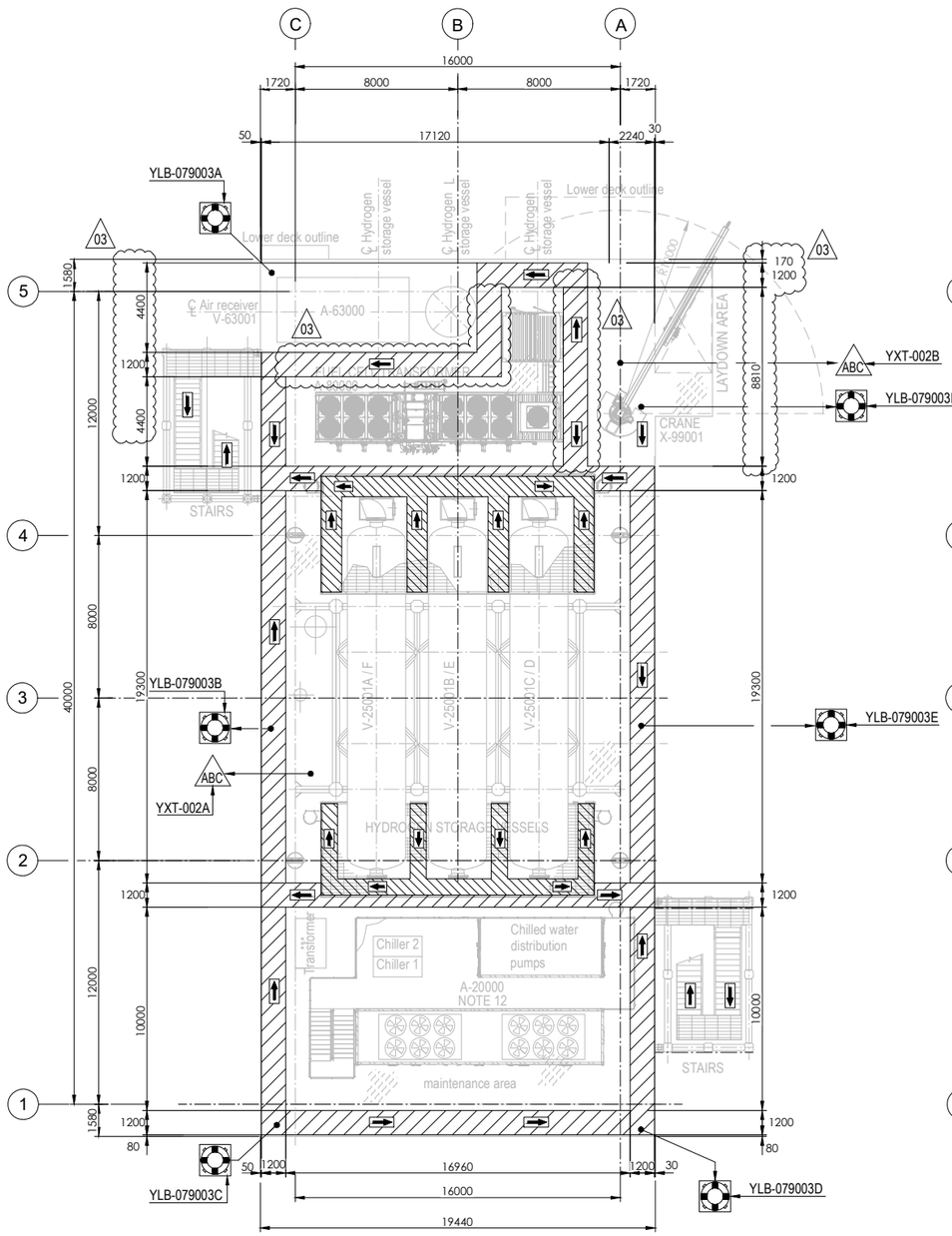
1	Check that certification is complete. Check also that the nameplate details are correct and complete (Validity up to 6 months after sailaway, if required).	OK
2	Check markings.	PL
3	Check the location and elevation supports and they are levelled.	OK
4	Check that the descendent device is correctly orientated.	OK
5	Check that the descendent device holding arrangement is correct.	PL
6	Check for any installation damage.	OK
7	Check that the installation is as per approved drawings.	OK
8	Check the painted surfaces finish for damage.	OK
9	Check that the wire ropes are serviceable.	OK
10	Check that the reflective strips are attached.	OK
11	Check that the equipment is correctly preserved/lubricated.	OK
12	If required produce Red Line Mark Up for "AS BUILT"	

Comments:

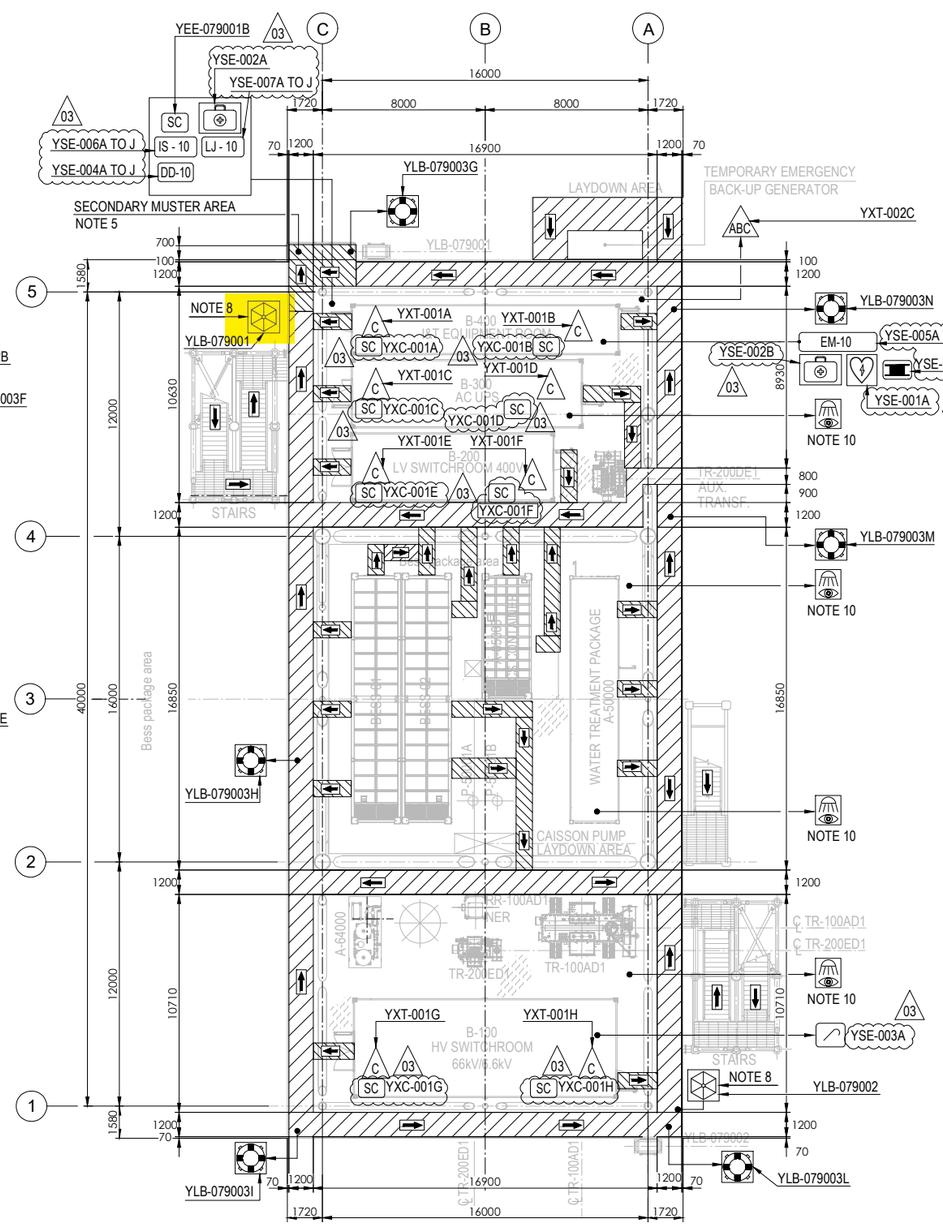
	Performed by	● WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM CONSTRUCTION	RM (ROSETTI MARINO)	
Name	Gianluca De Maglie	Giovanni Tangianu	
Date	2025-04-24	2025-05-08	
Signature	Digitaly signed by Gianluca De Maglie 2025-04-24T06:52:34.641Z	Digitaly signed by Giovanni Tangianu 2025-05-08T13:46:09.120Z	

DRAWING NO. 123A90-DDL-SAF-DL-30025

REV. 03

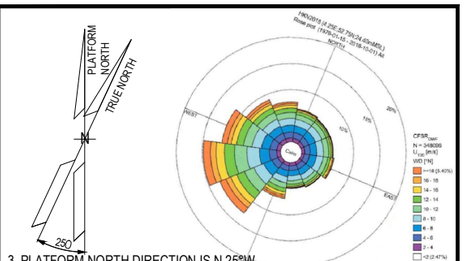


PLAN ON UPPER DECK
EL+30.310 T.O.S.



PLAN ON LOWER DECK
EL+23.310 T.O.S.

SYMBOL	DESCRIPTION	QTY.	SYMBOL	DESCRIPTION	QTY.
	LIFE BUOY(FITTED WITH LIGHT, SMOKE SIGNAL & LIFELINE)	13	EM	ESCAPE MASK NOTE 13	4
	EYE WASH STATION (BOTTLES)	4	IS-XX	IMMERSION SUITS (INSIDE CABINET)	10
	RESUSCITATION UNIT	1	LJ-XX	LIFE JACKET (INSIDE CABINET)	20
	FIRST AID KIT	3		LIFERAFTS	2
	ELECTRIC SAFETY KIT	1	ABC 9 kg	POWDER PORTABLE EXTINGUISHER	3
C	PORTABLE EXTINGUISHER (CO2)	8	SC	SAFETY CABINET	2
DD	DESCENT DEVICE	20		EVACUATION STRETCHER (TO BE LOCATED IN ITER)	1



3. PLATFORM NORTH DIRECTION IS N 25°W.

NOTES

1. ALL DIMENSIONS IN mm U.N.O
2. ALL ELEVATIONS IN METERS.
3. PRIMARY ESCAPE ROUTES SHALL BE MINIMUM 1.2m WIDTH AND 2.3m HEIGHT.
4. SECONDARY ESCAPE ROUTES SHALL BE MINIMUM 0.8m WIDTH AND 2.3m HEIGHT.
5. SECONDARY MUSTER AREA SHALL BE SIZED IN ORDER TO PROVIDE SUFFICIENT SPACE FOR THE MAXIMUM POB OF 10 ON THE PLATFORM, CONSIDERING AS MINIMUM 0.8 m^2 PER PERSON.
6. THE EVACUATION PHILOSOPHY IS AS FOLLOW:
   - PRIMARY MEANS OF EVACUATION - VIA PRIMARY MUSTER AREA,LOCATED AT PLATFORM ON TRANSITION PIECE THEN TO CREW TRANSFER VESSEL.
   - SECONADRY MEANS OF EVACUATION - VIA SECONDARY MUSTER AREA, LOCATED AT THE NORTH-EAST CORNER OF THE LOWER DECK, THEN TO LIFERAFTS.
7. ESCAPE MASKS, ELECTRICAL SAFETY KIT, RESUSCITATION UNIT, IMMERSION SUITS, LIFE JACKET AND FIRST AID KID TO BE LOCATED IN WEATHERPROOF CABINETS, AT STRATEGIC POSITIONS.
8. EACH LIFERAFT TO BE SIZED FOR MAXIMUM POB OF 10 PERSONS.
9. 2 NOS. OF PORTABLE CO2 EXTINGUISHERS TO BE LOCATED IN EACH ROOM (ITER, HV & LV ROOMS AND UPS ROOM).
10. EYEWASH BOTTLES TO BE PORTABLE AND CARRIED BY OPERATORS ONLY DURING MAINTENACE PERIOD.
11. ALL PORTABLE EXTINGUISHERS LOCATED IN OPEN AREA WILL BE EQUIPPED WITH A WEATHERPROOF CABINET.
12. LIFE RAFT ACCESS WILL BE GUARANTED BY MEANS OF DESCENT DEVICE.
13. QUANTITY OF ESCAPE MASK WAS ASSESSED AGAINST THE NUMBER OF EXPECTED RESCUE TEAM (2/3 OPERATORS) THAT COULD NEED TO RESCUE SOMEONE REMAINED TRAPPED INSIDE ANY CONTAINER WHEN A FIRE EMERGENCY SCENARIO IS ONGOING.

LEGEND

PRIMARY ESCAPE ROUTE

SECONDARY ESCAPE ROUTE

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DS-70070	PLOT PLAN - LOWER & UPPER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	28/02/25	MMA	CCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
02	01/10/24	MMA	CCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	10/07/24	MMA	CCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	31/01/24	MMA	CCA	DLO	ISSUE FOR REVIEW (IFR)

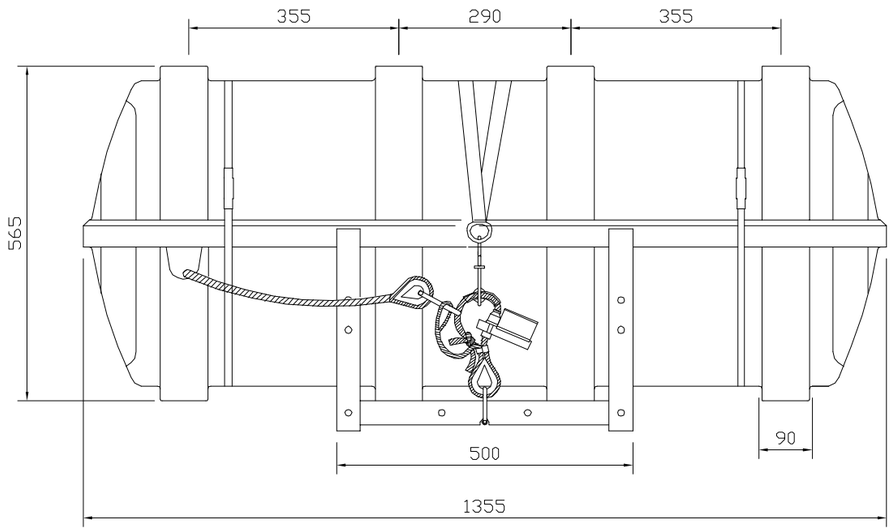
CROSSWIND

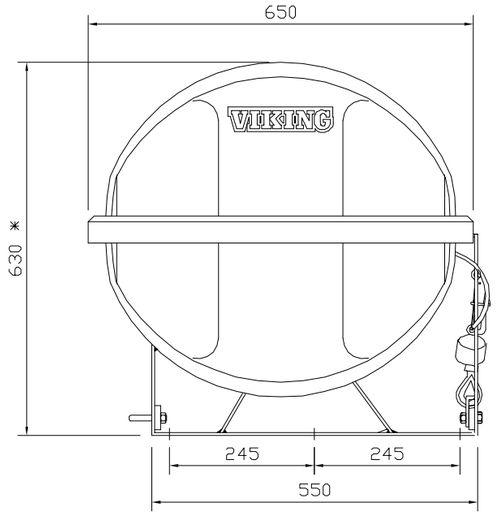
ROSETTI MARINO

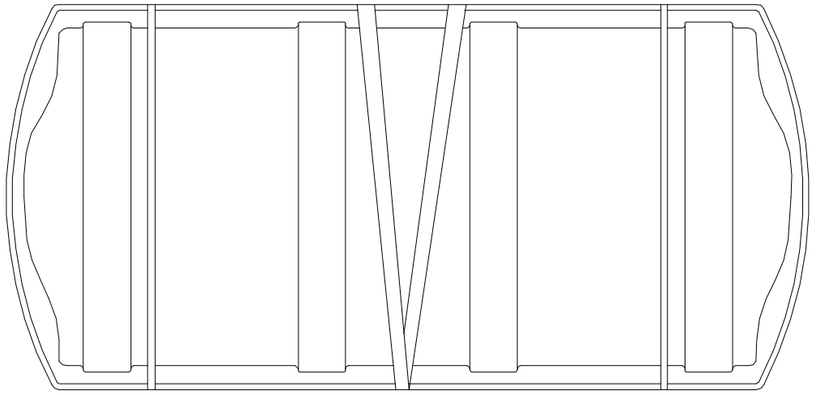
TITLE :
ESCAPE ROUTES, FIRE FIGHTING, LIFE SAVING EQUIPMENT AND SAFETY EQUIPMENT LAYOUTS DRAWING

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:150
DRAWN M. MAGNI	CHECKED C. CARACCIOLO	APPROVED D. LO STERZO	DATE 28/02/25
A1	DRAWING NO. 123A90-DDL-SAF-DL-30026	SHEET 001	REV. 03

File Name : 123A90-DDL-SAF-DL-30026 REV.03







Mrk.	Tekst	Part. No.	Drawing No.	Material
1	Aluminium cradle	015-0035	300-570	ALU
1	Stainless steel cradle	015-0060	300-680	AISI316
1	Hot galvanized cradle	015-0017	300-045	Fe 360

Description of change

POS:	Qty.	Description	Material No:

If the product is requested to be manufactured differently, this MUST be approved by VIKING LIFE-SAVING EQUIPMENT A/S and a specification of change must be filled in if the alteration is approved. Unless otherwise specified the product must always be clearly labelled with Viking part no., manufacturer ID and manufacturing year.

REVISION NO:	REVISION DESCRIPTION:	REVISION DATE:	APPROVAL INITIALS:
03	Change bursting band to plastic strap	27.01.14	27.01.14

MATERIAL NO:	STATUS:	UNITS:	CHECK DATE/INITIALS:
1005365	–	mm	27.01.14/ DW

BASIC MATERIAL:	SURFACE TREATMENT:	SHEETSIZE:	SCALE:	SHEET NO:	DRAWN DATE/INITIALS:
–	–	A3	–	–	27.01.14/ DW

VIKING LIFE-SAVING EQUIPMENT A/S
Sædding Ringvej 13, DK-6710 Esbjerg V
Tel.: +45 7611 8100
Fax.: +45 7611 8101
E-mail: viking@viking-life.com
Web: www.VIKING-life.com

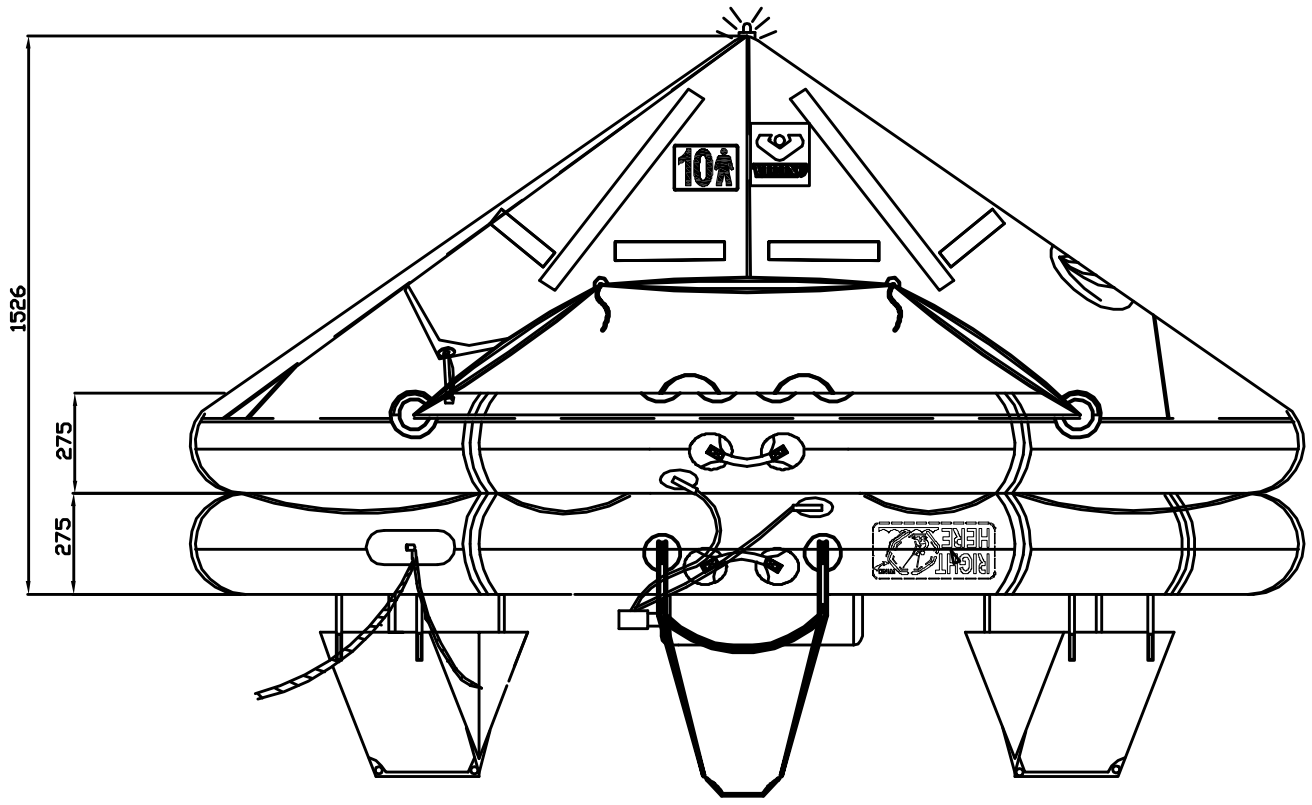
PROJECTION TYPE: FIRST ANGLE PROJECTION

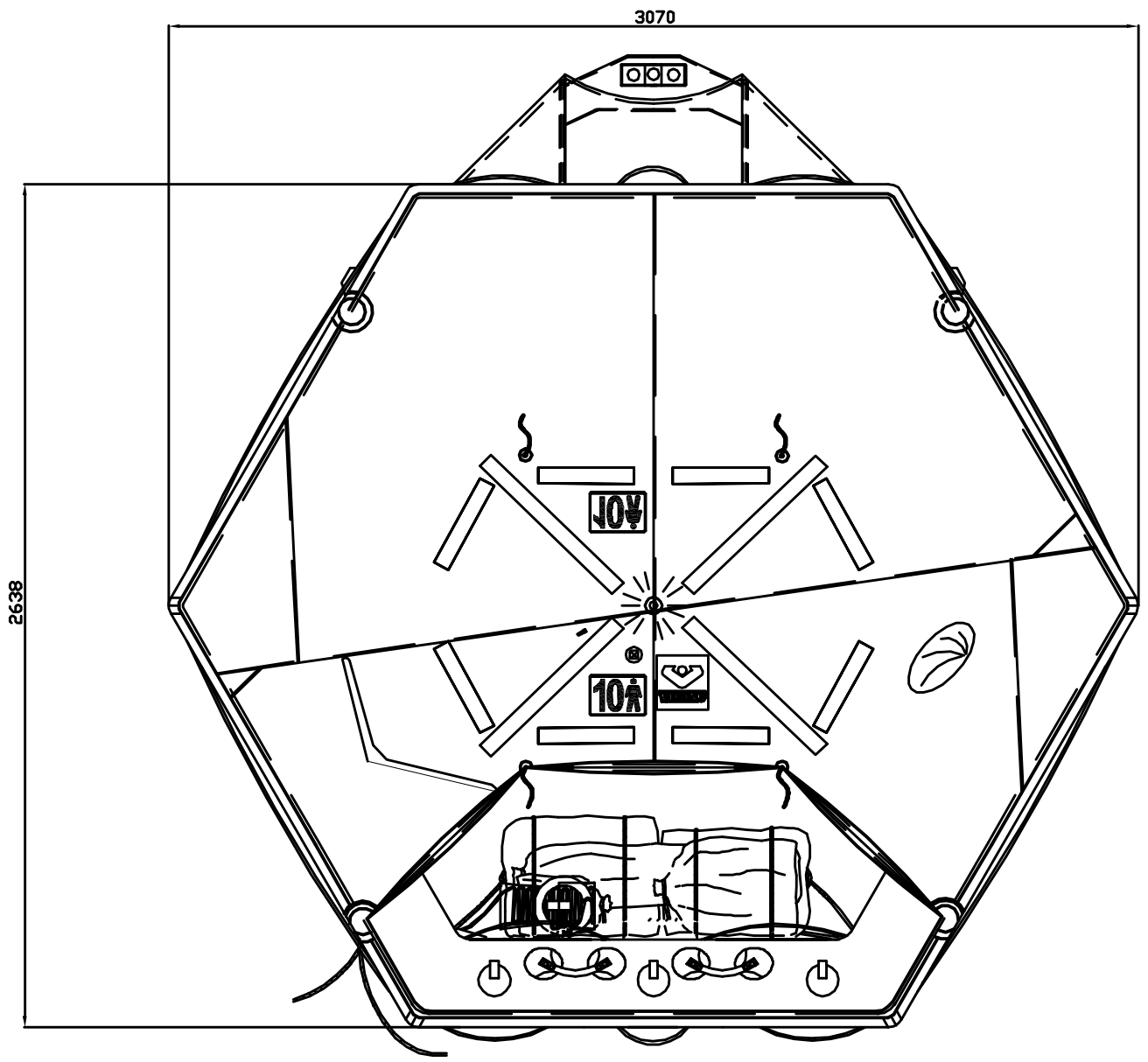
GENERAL TOLERANCE: –

DESCRIPTION:
Sales Specification Container 016-6100/G
10-12 DK A+B, 20-25 DKR
W/Line 016-0322A/B/D/-0376/-0484

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DRAWING NO.: 42000140





POS:	Qty.	Description	Material No:

If the product is requested to be manufactured differently, this MUST be approved by VIKING LIFE-SAVING EQUIPMENT A/S and a specification of change must be filled in if the alteration is approved. Unless otherwise specified the product must always be clearly labelled with Viking part no., manufacturer ID and manufacturing year.

REVISION NO:	REVISION DESCRIPTION:	REVISION DATE:	APPROVAL INITIALS:
01	–	–	–

MATERIAL NO:	STATUS:	UNITS:	CHECK DATE/INITIALS:
–	–	mm	23.10.14 ASR

BASIC MATERIAL:	SURFACE TREATMENT:	SHEETSIZE:	SCALE:	SHEET NO:	DRAWN DATE/INITIALS:
–	–	A3	1:20	–	22.10.14 CLO

VIKING LIFE-SAVING EQUIPMENT A/S
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Tel.: +45 7611 8100
Fax.: +45 7611 8101
E-mail: viking@viking-life.com
Web: www.VIKING-life.com

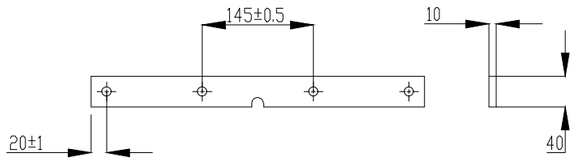
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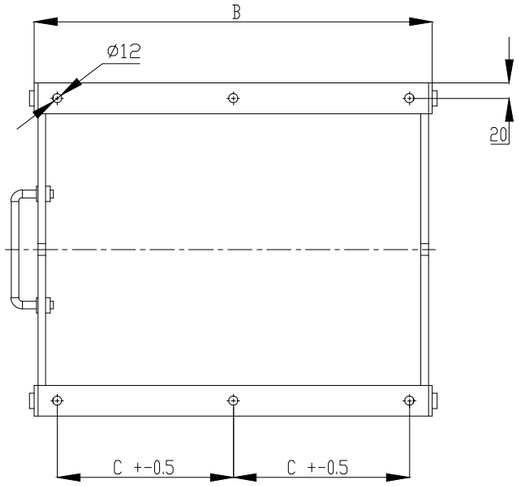
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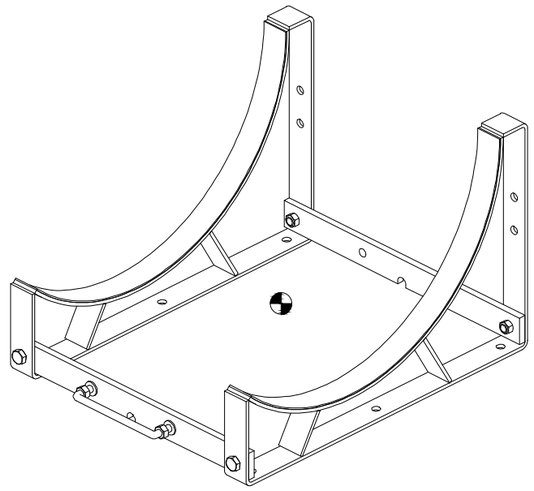
DESCRIPTION:
VIKING LIFE RAFT TYPE 10 DK+ EXTRA WIDE OPENING

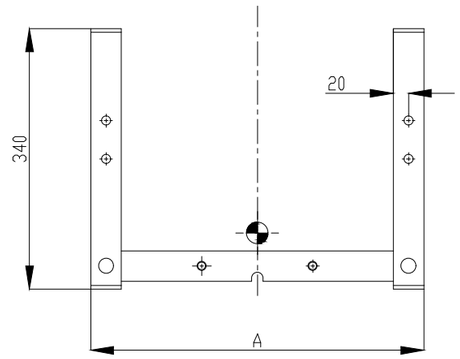
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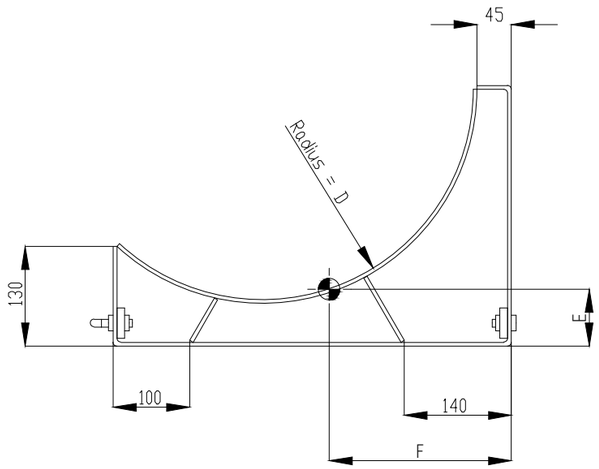
DRAWING NO.:
42003845-000











Center of Gravity

All holes Ø 12

Measures without tollerence. +-3 mm

material: S235JR - EN 10025 /SS400 - TIS 1479

Surface: Hot galvanized class A JF. DS/ISO 1461

Sharp edges chamfered

Rack part no.	Cpl. part no. w. Lashing	Cont. type	A	B	C	D	E	F	Weight(kg.)
1015846	1000012	4 - 6 - 8 DK	435	520	230	275	74	238	10
1015847	1000013	10 - 12 - 16 DK	500	550	245	310	73	254	10
1014758	1000053	20 - 25 DK	545	620	280	360	70.5	288	11
1017688	1015866	IMPAX con.	650	620	280	360	68	289	11

If the product is requested to be manufactured differently, this MUST be approved by VIKING LIFE-SAVING EQUIPMENT A/S and a specification of change must be filled in if the alteration is approved. Unless otherwise specified the product must always be clearly labelled with Viking part no, manufacturer ID and manufacturing year.

MATERIAL NO	Old DWG No	STATUS	UNITS:	WEIGHT :	CHECK DATE/INIT:
			mm/kg		12-12-2012/DW
BASIC MATERIAL:	**SURFACE TREATMENT:**		**SHEETSIZE :**	**SCALE :**	**SHEET NO :**	**DRAWN DATE/INIT:**
S235JR	Hot Galvanized		A4	1:5	1/1	12-12-2012/DW

VIKING LIFE-SAVING EQUIPMENT A/S
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Fax: +45 7611 8101
E-mail: viking@viking-life.dk
Web: www.VIKING-life.com

PROJEKTION TYPE: FIRST ANGLE PROJECTION

GENEREL TOLERANCE :

DESCRIPTION : GA Cradle for DK raft

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CAD NO. :	Drawing NO. :	REV NO. :
42003378	42003378	0

	Rev	Item	Required	Comment
			GENERAL DATA	
1		**EQUIPMENT TYPE**	**LIFE RAFT**	
2		**TAG**	YLB-079001/2	
3		**MAIN ITEM**	Liferafts + craddles	
4		**QUANTITY**	2	
5		**STANDARDS**	IMO SOLAS/Chapter 4.1 and 4.2 of the IMO Life-Saving Appliance (LSA) Code	
6		**APPROVAL/CERTIFICATE**	Chapter 4.1 and 4.2 of the IMO Life-Saving Appliance (LSA) Code	
7		**REF. TECHNICAL SPEC.**	123A90-DDL-SAF-SP-30032	
8		**REF. DRAWING**	123A90-DDL-SAF-DL-30025/26	
			OPERATING CONDITIONS	
9		**LOCATIONS**	Outdoor, on Lower deck (27,700m LAT) - one north west and the other south east as per ref. Drawing	
10		**ENVIRONMENT CONDITION**	MARINE ENVIRONMENT	
11		**TEMPERATURE**	from -10°C to 30°C	
			TECHNICAL DATA	
13		**TYPE**	Throw-overboard liferafts, self-inflating	
14		**CAPACITY**	10 each	
15		**MATERIAL**	By Vendor	
16		**COLOR**	International Orange	
17		**DIMENSION**	By Vendor	
18		**WEIGHT**	By Vendor	
19		**DROPPED HEIGHTS**	23.31m TOS (from below deck both)	
20		**PAINTER / OPERATING LINE**	Equal to the height of the launch point above LAT plus 12 m (i.e. 40 m at minimum)	
21		**MARKING**	Name of the installation	
22		**ADDITIONAL EQUIPMENT**	as per SOLAS pack A	
23		**automatic inflation system**	yes - system by Vendor	
24				
25		**Jib Crane for the rescue of each liferaft**	Option	
			CONTAINER AND SUPPORT (CRADDLE)	
26		**MATERIAL**	Container: glass fibre Stainless steel or other suitable for marine environment	
27		**SUPPORT**	RACK/CRADLE indipendent bracket, no handrail mounting	
28		**PAINTING**	According to 123A90-DDL-MAT-SP-60006	
29		**DIMENSION**	By Vendor	
30		**WEIGHT**	By Vendor	
31		**INSTRUCTION SIGN**	Operating instructions shall be clearly fixed in English	
32		**MARKING**	“LIFE RAFT”, in English	
33		**PROTECTION RATING (IP)**	as minimum IP65	
34				

NOTES

35 Each liferaft shall be marked with the associated tag number
Each craddle shall be marked with the associated tag number
All instrumentation equipment shall be ATEX Certified Category Ex II 2G (or IECEx equivalent), Gas Group IIC, Temperature class T1.
All field instruments and instrument equipment (i.e junction boxes, outdoor control panels/cabinets; etc..) shall be certified for Zone 1 certified for Gas Group IIC Temperature Class T1 as per IEC 60079.
The cradle supporting each life raft shall allow the launching of the container and its life raft by only one person
The approved radio distress beacon (EPIRB) and the search and rescue transponder beacon (SART) will be supplied as loose item by others.

ITEM	Tag	YLB-079002	: Liferafts Descent Device			Dwg	123A90-DDL-SAF-DL-30026
	S/Sys	76-30	: Life Raft			Module	LD_B-100_Ext
TASK	code	C10004498		Location	Onshore Activities	User	Rosetti Marino Quality Control
FORM	Process	MC	Activity CCK	Discipline	Safety	Form	CYX17 Descent Device

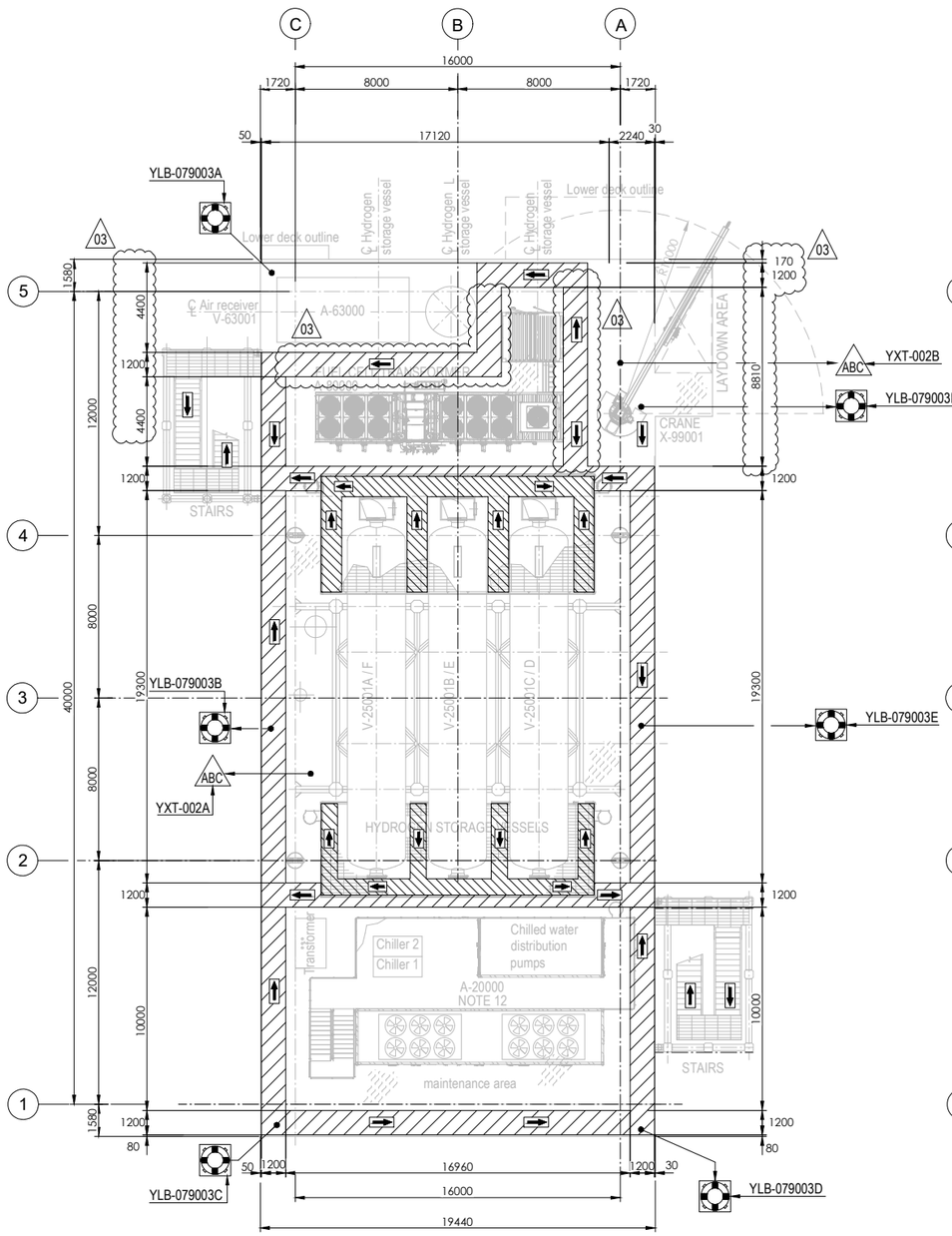
1	Check that certification is complete. Check also that the nameplate details are correct and complete (Validity up to 6 months after sailaway, if required).	OK
2	Check markings.	PL
3	Check the location and elevation supports and they are levelled.	OK
4	Check that the descendent device is correctly orientated.	OK
5	Check that the descendent device holding arrangement is correct.	PL
6	Check for any installation damage.	OK
7	Check that the installation is as per approved drawings.	OK
8	Check the painted surfaces finish for damage.	OK
9	Check that the wire ropes are serviceable.	OK
10	Check that the reflective strips are attached.	OK
11	Check that the equipment is correctly preserved/lubricated.	OK
12	If required produce Red Line Mark Up for "AS BUILT"	

Comments:

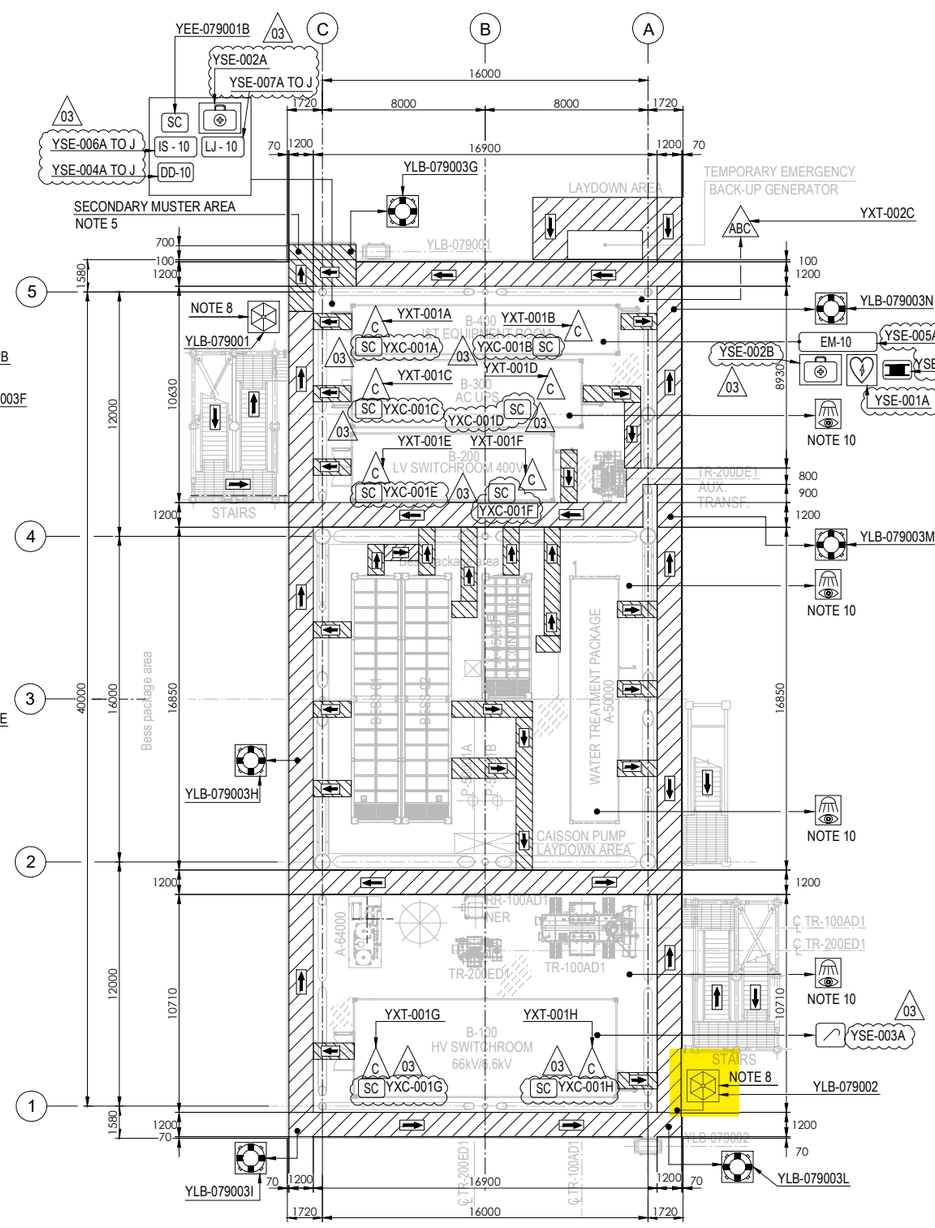
	Performed by	● WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM CONSTRUCTION	RM (ROSETTI MARINO)	
Name	Gianluca De Maglie	Giovanni Tangianu	
Date	2025-04-24	2025-05-08	
Signature	PROVERLIS Digitaly signed by Gianluca De Maglie 2025-04-24T06:52:49.656Z	PROVERLIS Digitaly signed by Giovanni Tangianu 2025-05-08T13:48:13.101Z	

DRAWING NO. 123A90-DDL-SAF-DL-30025

REV. 03

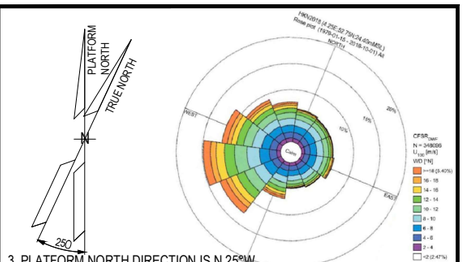


PLAN ON UPPER DECK
EL+30.310 T.O.S.



PLAN ON LOWER DECK
EL+23.310 T.O.S.

SYMBOL	DESCRIPTION	QTY.	SYMBOL	DESCRIPTION	QTY.
	LIFE BUOY(FITTED WITH LIGHT, SMOKE SIGNAL & LIFELINE)	13	EM	ESCAPE MASK NOTE 13	4
	EYE WASH STATION (BOTTLES)	4	IS-XX	IMMERSION SUITS (INSIDE CABINET)	10
	RESUSCITATION UNIT	1	LJ-XX	LIFE JACKET (INSIDE CABINET)	20
	FIRST AID KIT	3		LIFERAFTS	2
	ELECTRIC SAFETY KIT	1	ABC 9 kg	POWDER PORTABLE EXTINGUISHER	3
C	PORTABLE EXTINGUISHER (CO2)	8	SC	SAFETY CABINET	2
DD	DESCENT DEVICE	20		EVACUATION STRETCHER (TO BE LOCATED IN ITER)	1



3. PLATFORM NORTH DIRECTION IS N 25°W.

NOTES

1. ALL DIMENSIONS IN mm U.N.O
2. ALL ELEVATIONS IN METERS.
3. PRIMARY ESCAPE ROUTES SHALL BE MINIMUM 1.2m WIDTH AND 2.3m HEIGHT.
4. SECONDARY ESCAPE ROUTES SHALL BE MINIMUM 0.8m WIDTH AND 2.3m HEIGHT.
5. SECONDARY MUSTER AREA SHALL BE SIZED IN ORDER TO PROVIDE SUFFICIENT SPACE FOR THE MAXIMUM POB OF 10 ON THE PLATFORM, CONSIDERING AS MINIMUM 0.8 m^2 PER PERSON.
6. THE EVACUATION PHILOSOPHY IS AS FOLLOW:
   - PRIMARY MEANS OF EVACUATION - VIA PRIMARY MUSTER AREA,LOCATED AT PLATFORM ON TRANSITION PIECE THEN TO CREW TRANSFER VESSEL.
   - SECONADRY MEANS OF EVACUATION - VIA SECONDARY MUSTER AREA, LOCATED AT THE NORTH-EAST CORNER OF THE LOWER DECK, THEN TO LIFERAFTS.
7. ESCAPE MASKS, ELECTRICAL SAFETY KIT, RESUSCITATION UNIT, IMMERSION SUITS, LIFE JACKET AND FIRST AID KID TO BE LOCATED IN WEATHERPROOF CABINETS, AT STRATEGIC POSITIONS.
8. EACH LIFERAFT TO BE SIZED FOR MAXIMUM POB OF 10 PERSONS.
9. 2 NOS. OF PORTABLE CO2 EXTINGUISHERS TO BE LOCATED IN EACH ROOM (ITER, HV & LV ROOMS AND UPS ROOM).
10. EYEWASH BOTTLES TO BE PORTABLE AND CARRIED BY OPERATORS ONLY DURING MAINTENACE PERIOD.
11. ALL PORTABLE EXTINGUISHERS LOCATED IN OPEN AREA WILL BE EQUIPPED WITH A WEATHERPROOF CABINET.
12. LIFE RAFT ACCESS WILL BE GUARANTED BY MEANS OF DESCENT DEVICE.
13. QUANTITY OF ESCAPE MASK WAS ASSESSED AGAINST THE NUMBER OF EXPECTED RESCUE TEAM (2/3 OPERATORS) THAT COULD NEED TO RESCUE SOMEONE REMAINED TRAPPED INSIDE ANY CONTAINER WHEN A FIRE EMERGENCY SCENARIO IS ONGOING.

LEGEND

PRIMARY ESCAPE ROUTE

SECONDARY ESCAPE ROUTE

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DS-70070	PLOT PLAN - LOWER & UPPER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	28/02/25	MMA	CCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
02	01/10/24	MMA	CCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	10/07/24	MMA	CCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	31/01/24	MMA	CCA	DLO	ISSUE FOR REVIEW (IFR)

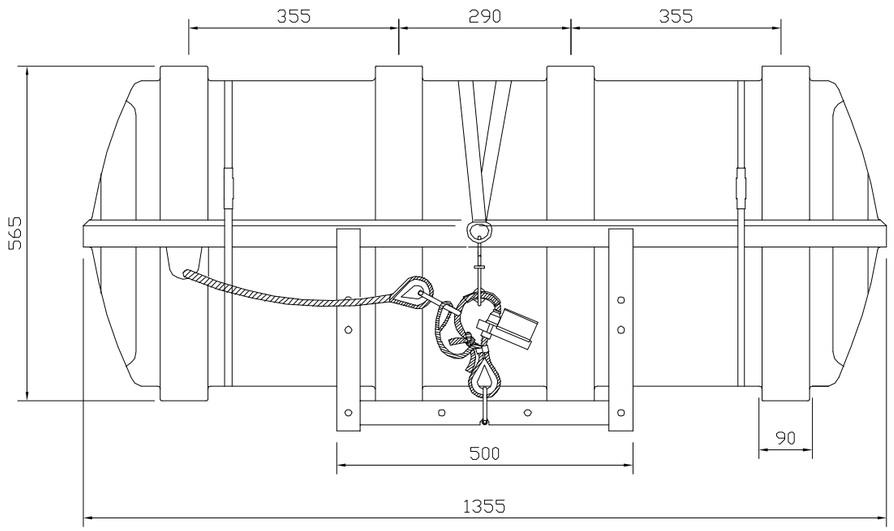
CROSSWIND

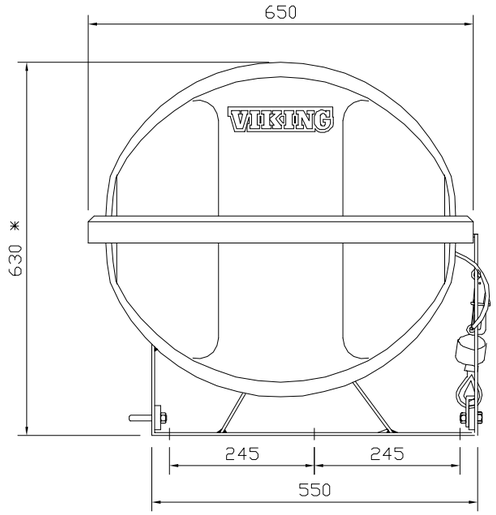
ROSETTI MARINO

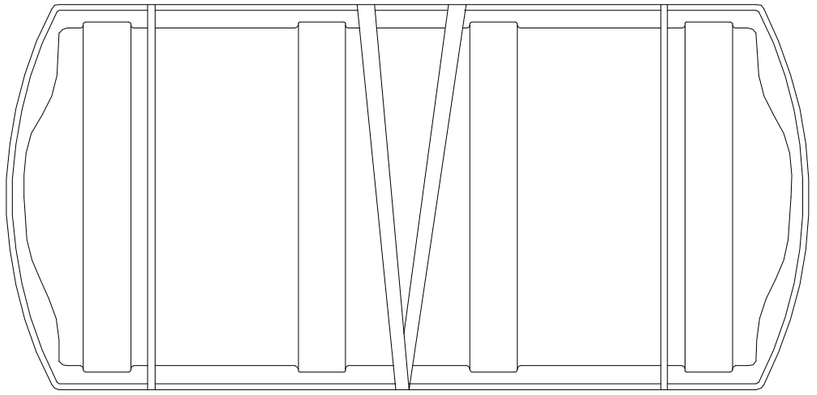
TITLE :
ESCAPE ROUTES, FIRE FIGHTING, LIFE SAVING EQUIPMENT AND SAFETY EQUIPMENT LAYOUTS DRAWING

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:150
DRAWN M. MAGNI	CHECKED C. CARACCIOLO	APPROVED D. LO STERZO	DATE 28/02/25
A1	DRAWING NO. 123A90-DDL-SAF-DL-30026	SHEET 001	REV. 03

File Name : 123A90-DDL-SAF-DL-30026 REV.03







Mrk.	Tekst	Part. No.	Drawing No.	Material
1	Aluminium cradle	015-0035	300-570	ALU
1	Stainless steel cradle	015-0060	300-680	AISI316
1	Hot galvanized cradle	015-0017	300-045	Fe 360

Description of change

POS:	Qty.	Description	Material No:

If the product is requested to be manufactured differently, this MUST be approved by VIKING LIFE-SAVING EQUIPMENT A/S and a specification of change must be filled in if the alteration is approved. Unless otherwise specified the product must always be clearly labelled with Viking part no., manufacturer ID and manufacturing year.

REVISION NO:	REVISION DESCRIPTION:	REVISION DATE:	APPROVAL INITIALS:
03	Change bursting band to plastic strap	27.01.14	27.01.14

MATERIAL NO:	STATUS:	UNITS:	CHECK DATE/INITIALS:
1005365	–	mm	27.01.14/ DW

BASIC MATERIAL:	SURFACE TREATMENT:	SHEETSIZE:	SCALE:	SHEET NO:	DRAWN DATE/INITIALS:
–	–	A3	–	–	27.01.14/ DW

VIKING LIFE-SAVING EQUIPMENT A/S
Sædding Ringvej 13, DK-6710 Esbjerg V
Tel.: +45 7611 8100
Fax.: +45 7611 8101
E-mail: viking@viking-life.com
Web: www.VIKING-life.com

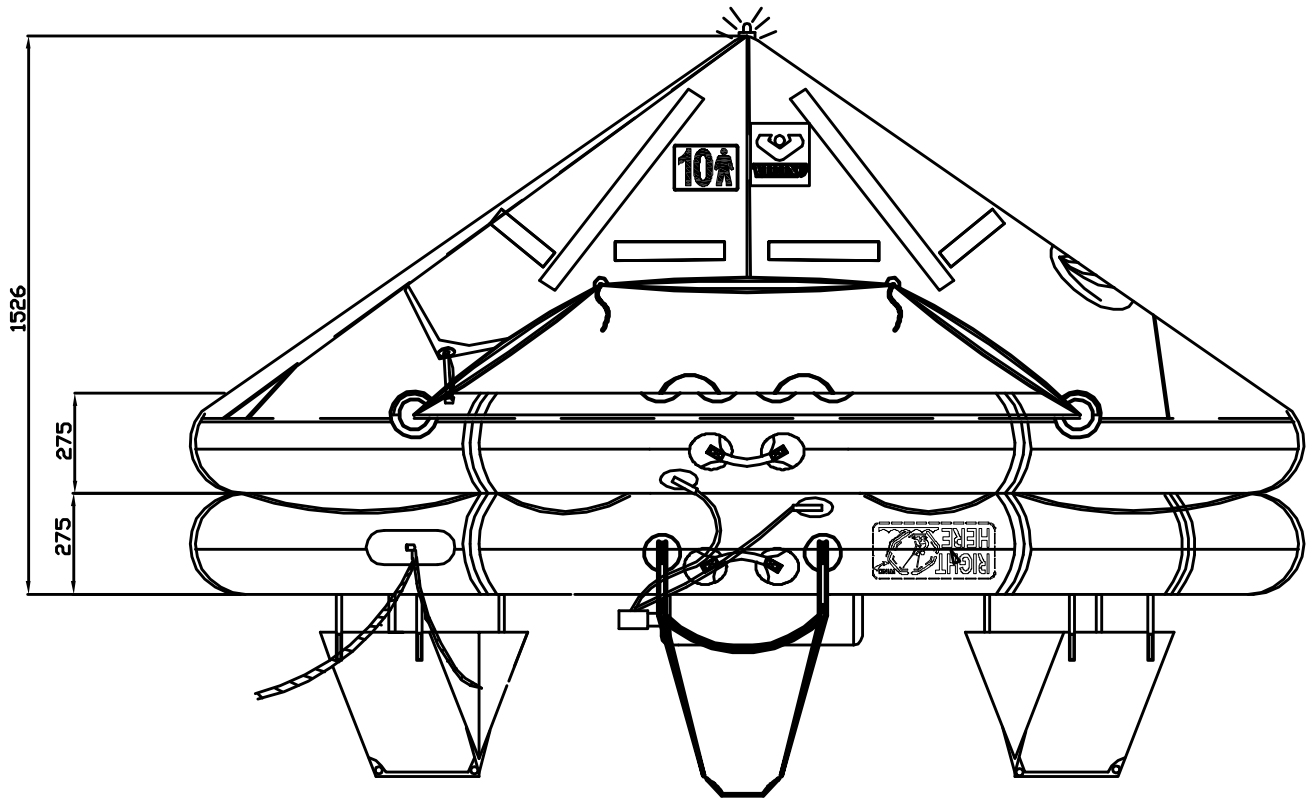
PROJECTION TYPE: FIRST ANGLE PROJECTION

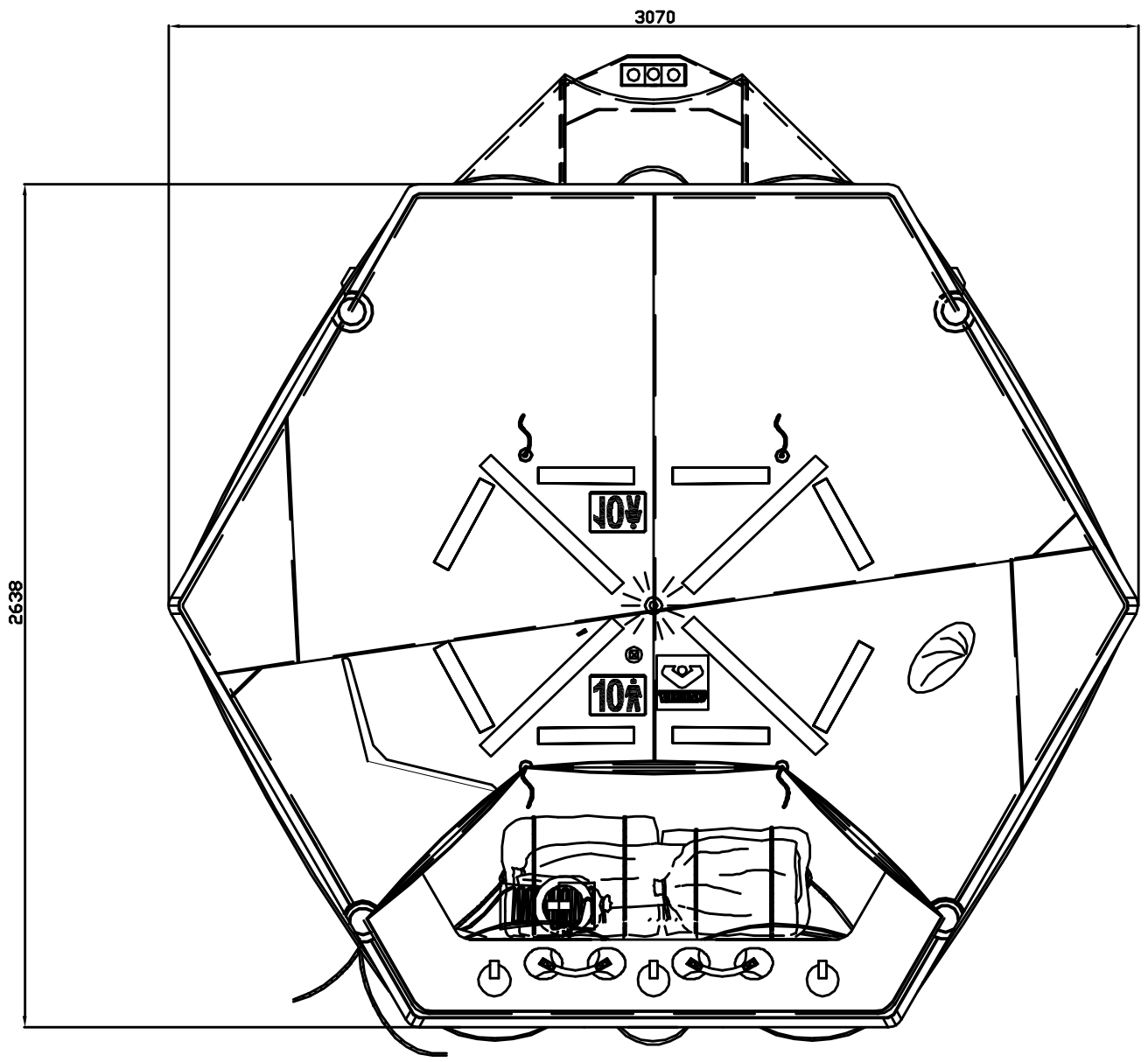
GENERAL TOLERANCE: –

DESCRIPTION:
Sales Specification Container 016-6100/G
10-12 DK A+B, 20-25 DKR
W/Line 016-0322A/B/D/-0376/-0484

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DRAWING NO.: 42000140





POS:	Qty.	Description	Material No:

If the product is requested to be manufactured differently, this MUST be approved by VIKING LIFE-SAVING EQUIPMENT A/S and a specification of change must be filled in if the alteration is approved. Unless otherwise specified the product must always be clearly labelled with Viking part no., manufacturer ID and manufacturing year.

REVISION NO:	REVISION DESCRIPTION:	REVISION DATE:	APPROVAL INITIALS:
01	–	–	–

MATERIAL NO:	STATUS:	UNITS:	CHECK DATE/INITIALS:
–	–	mm	23.10.14 ASR

BASIC MATERIAL:	SURFACE TREATMENT:	SHEETSIZE:	SCALE:	SHEET NO:	DRAWN DATE/INITIALS:
–	–	A3	1:20	–	22.10.14 CLO

VIKING LIFE-SAVING EQUIPMENT A/S
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Web: www.VIKING-life.com

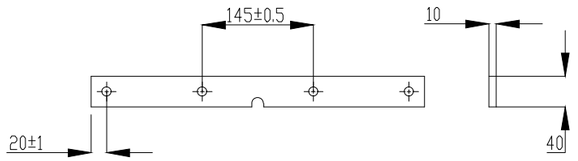
PROJECTION TYPE:
FIRST ANGLE PROJECTION

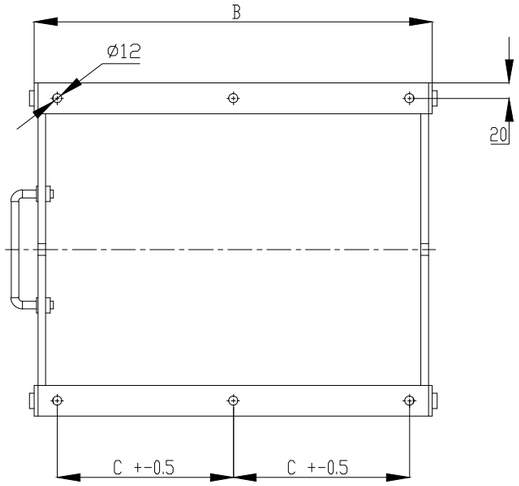
GENERAL TOLERANCE:
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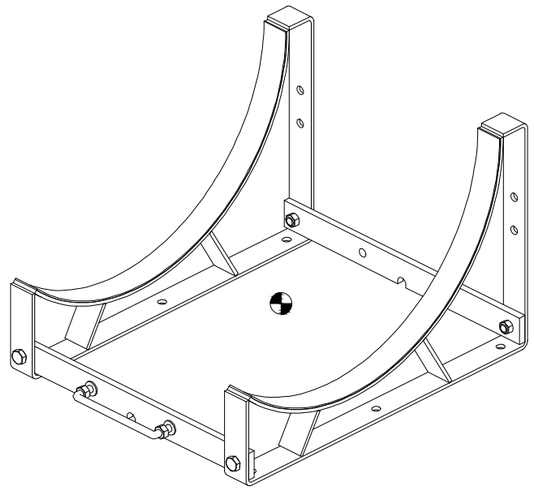
DESCRIPTION:
VIKING LIFE RAFT TYPE 10 DK+ EXTRA WIDE OPENING

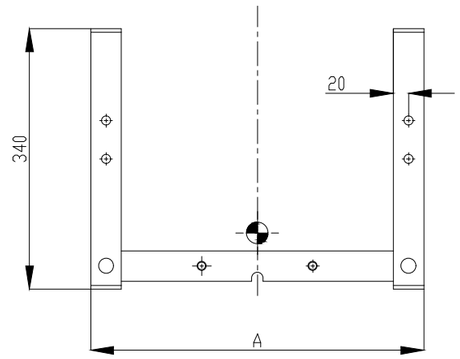
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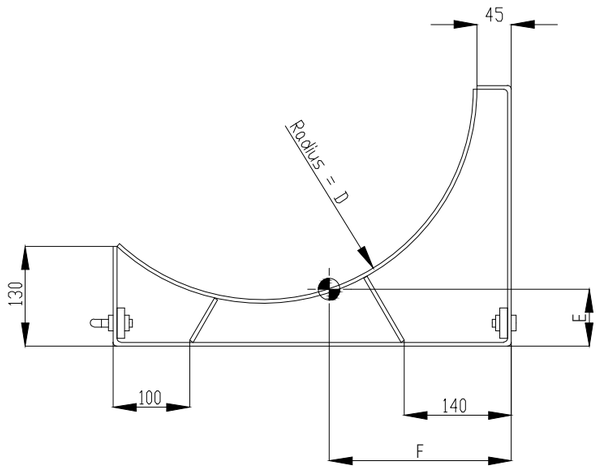
DRAWING NO.:
42003845-000











Center of Gravity

All holes Ø 12

Measures without tollerence. +-3 mm

material: S235JR - EN 10025 /SS400 - TIS 1479

Surface: Hot galvanized class A JF. DS/ISO 1461

Sharp edges chamfered

Rack part no.	Cpl. part no. w. Lashing	Cont. type	A	B	C	D	E	F	Weight(kg.)
1015846	1000012	4 - 6 - 8 DK	435	520	230	275	74	238	10
1015847	1000013	10 - 12 - 16 DK	500	550	245	310	73	254	10
1014758	1000053	20 - 25 DK	545	620	280	360	70.5	288	11
1017688	1015866	IMPAX con.	650	620	280	360	68	289	11

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MATERIAL NO	Old DWG No	STATUS	UNITS:	WEIGHT :	CHECK DATE/INIT:
			mm/kg		12-12-2012/DW
BASIC MATERIAL:	**SURFACE TREATMENT:**		**SHEETSIZE :**	**SCALE :**	**SHEET NO :**	**DRAWN DATE/INIT:**
S235JR	Hot Galvanized		A4	1:5	1/1	12-12-2012/DW

VIKING LIFE-SAVING EQUIPMENT A/S
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Tel: +45 7611 8100
Fax: +45 7611 8101
E-mail: viking@viking-life.dk
Web: www.VIKING-life.com

PROJEKTION TYPE: FIRST ANGLE PROJECTION

GENEREL TOLERANCE :

DESCRIPTION : GA Cradle for DK raft

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CAD NO. :	Drawing NO. :	REV NO. :
42003378	42003378	0

	Rev	Item	Required	Comment
			GENERAL DATA	
1		**EQUIPMENT TYPE**	**LIFE RAFT**	
2		**TAG**	YLB-079001/2	
3		**MAIN ITEM**	Liferafts + craddles	
4		**QUANTITY**	2	
5		**STANDARDS**	IMO SOLAS/Chapter 4.1 and 4.2 of the IMO Life-Saving Appliance (LSA) Code	
6		**APPROVAL/CERTIFICATE**	Chapter 4.1 and 4.2 of the IMO Life-Saving Appliance (LSA) Code	
7		**REF. TECHNICAL SPEC.**	123A90-DDL-SAF-SP-30032	
8		**REF. DRAWING**	123A90-DDL-SAF-DL-30025/26	
			OPERATING CONDITIONS	
9		**LOCATIONS**	Outdoor, on Lower deck (27,700m LAT) - one north west and the other south east as per ref. Drawing	
10		**ENVIRONMENT CONDITION**	MARINE ENVIRONMENT	
11		**TEMPERATURE**	from -10°C to 30°C	
			TECHNICAL DATA	
13		**TYPE**	Throw-overboard liferafts, self-inflating	
14		**CAPACITY**	10 each	
15		**MATERIAL**	By Vendor	
16		**COLOR**	International Orange	
17		**DIMENSION**	By Vendor	
18		**WEIGHT**	By Vendor	
19		**DROPPED HEIGHTS**	23.31m TOS (from below deck both)	
20		**PAINTER / OPERATING LINE**	Equal to the height of the launch point above LAT plus 12 m (i.e. 40 m at minimum)	
21		**MARKING**	Name of the installation	
22		**ADDITIONAL EQUIPMENT**	as per SOLAS pack A	
23		**automatic inflation system**	yes - system by Vendor	
24				
25		**Jib Crane for the rescue of each liferaft**	Option	
			CONTAINER AND SUPPORT (CRADDLE)	
26		**MATERIAL**	Container: glass fibre Stainless steel or other suitable for marine environment	
27		**SUPPORT**	RACK/CRADLE indipendent bracket, no handrail mounting	
28		**PAINTING**	According to 123A90-DDL-MAT-SP-60006	
29		**DIMENSION**	By Vendor	
30		**WEIGHT**	By Vendor	
31		**INSTRUCTION SIGN**	Operating instructions shall be clearly fixed in English	
32		**MARKING**	“LIFE RAFT”, in English	
33		**PROTECTION RATING (IP)**	as minimum IP65	
34				

NOTES

35 Each liferaft shall be marked with the associated tag number
Each craddle shall be marked with the associated tag number
All instrumentation equipment shall be ATEX Certified Category Ex II 2G (or IECEx equivalent), Gas Group IIC, Temperature class T1.
All field instruments and instrument equipment (i.e junction boxes, outdoor control panels/cabinets; etc..) shall be certified for Zone 1 certified for Gas Group IIC Temperature Class T1 as per IEC 60079.
The cradle supporting each life raft shall allow the launching of the container and its life raft by only one person
The approved radio distress beacon (EPIRB) and the search and rescue transponder beacon (SART) will be supplied as loose item by others.

ITEM	Tag	Descent_Device_LD	: Descent Device			Dwg	123A90-DDL-SAF-DL-30026
	S/Sys	76-30	: Life Raft			Module	LD
TASK	code	C10004499		Location	Onshore Activities	User	Rosetti Marino Quality Control
FORM	Process	MC	Activity CCK	Discipline	Safety	Form	CYX17 Descent Device

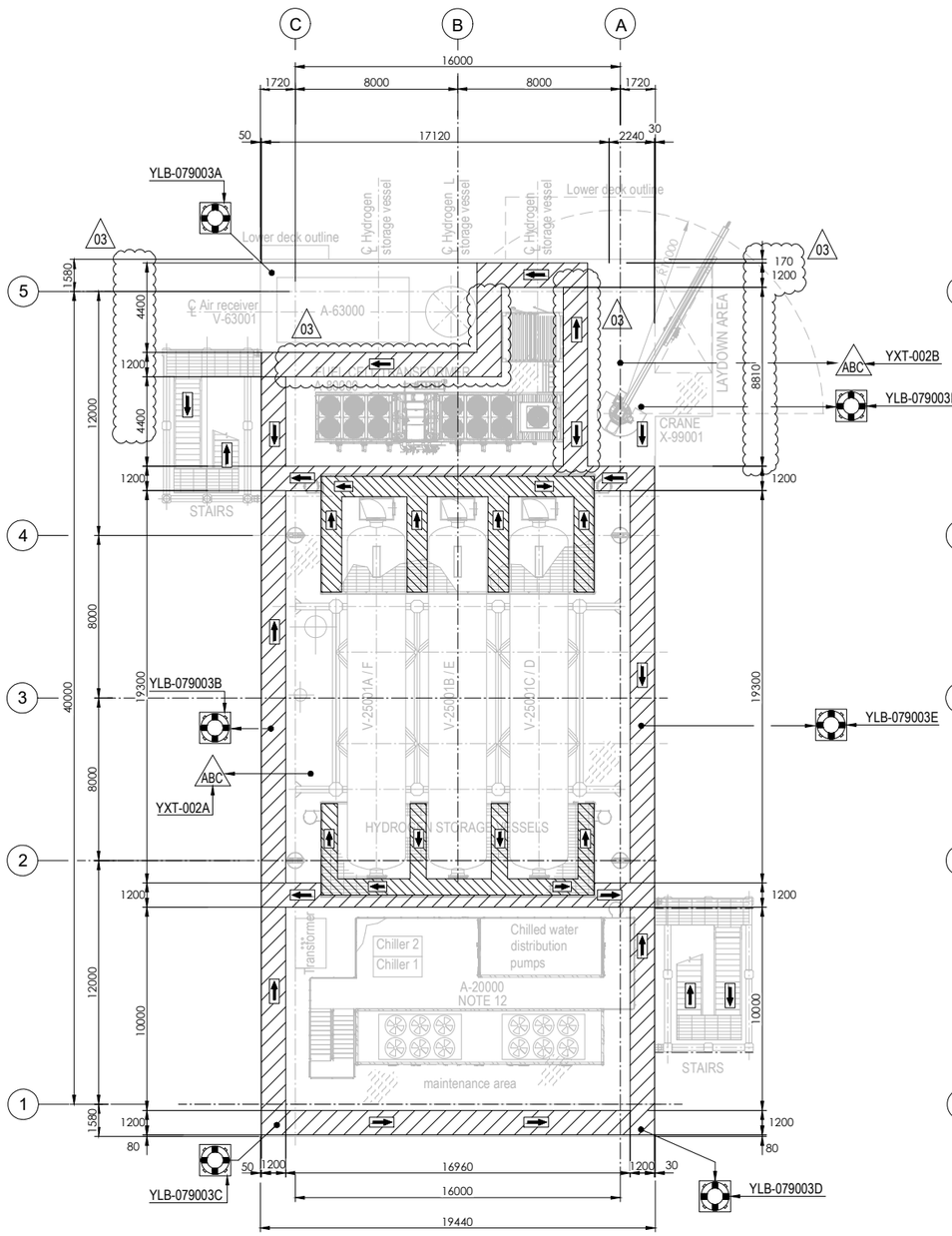
1	Check that certification is complete. Check also that the nameplate details are correct and complete (Validity up to 6 months after sailaway, if required).	OK
2	Check markings.	OK
3	Check the location and elevation supports and they are levelled.	Note
4	Check that the descendent device is correctly orientated.	Note
5	Check that the descendent device holding arrangement is correct.	OK
6	Check for any installation damage.	Note
7	Check that the installation is as per approved drawings.	Note
8	Check the painted surfaces finish for damage.	OK
9	Check that the wire ropes are serviceable.	Note
10	Check that the reflective strips are attached.	Note
11	Check that the equipment is correctly preserved/lubricated.	OK
12	If required produce Red Line Mark Up for "AS BUILT"	

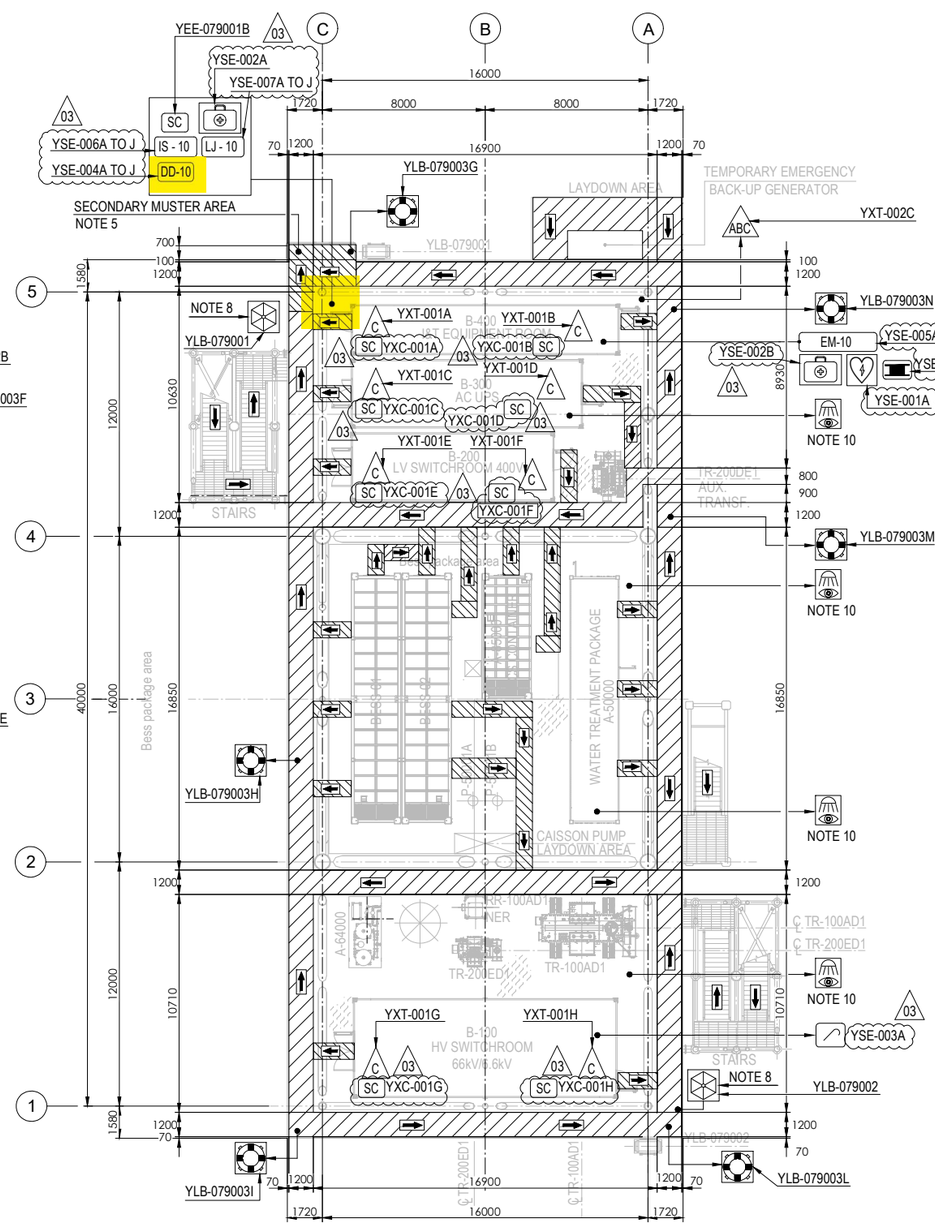
Comments: NOTE: all equipment will be installed in offshore phase.

	Performed by	● WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM CONSTRUCTION	RM (ROSETTI MARINO)	
Name	Gianluca De Maglie	Giovanni Tangianu	
Date	2025-04-24	2025-05-07	
Signature	PROVERLIS Digitaly signed by Gianluca De Maglie 2025-04-24T06:54:12.731Z	PROVERLIS Digitaly signed by Giovanni Tangianu 2025-05-07T12:50:04.785Z	

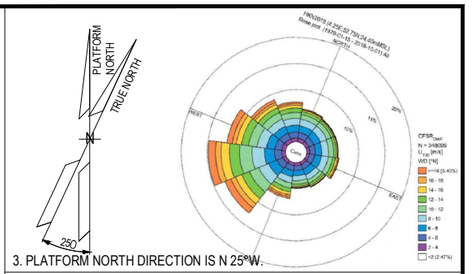
DRAWING NO. 123A90-DDL-SAF-DL-30025

REV. 03





SYMBOL	DESCRIPTION	QTY.	SYMBOL	DESCRIPTION	QTY.
	LIFE BUOY(FITTED WITH LIGHT, SMOKE SIGNAL & LIFELINE)	13	EM	ESCAPE MASK NOTE 13	4
	EYE WASH STATION (BOTTLES)	4	IS-XX	IMMERSION SUITS (INSIDE CABINET)	10
	RESUSCITATION UNIT	1	LJ-XX	LIFE JACKET (INSIDE CABINET)	20
	FIRST AID KIT	3		LIFERAFTS	2
	ELECTRIC SAFETY KIT	1	ABC 9 kg	POWDER PORTABLE EXTINGUISHER	3
C	PORTABLE EXTINGUISHER (CO2)	8	SC	SAFETY CABINET	2
DD	DESCENT DEVICE	20		EVACUATION STRETCHER (TO BE LOCATED IN ITER)	1



3. PLATFORM NORTH DIRECTION IS N 25°W.

NOTES

1. ALL DIMENSIONS IN mm U.N.O
2. ALL ELEVATIONS IN METERS.
3. PRIMARY ESCAPE ROUTES SHALL BE MINIMUM 1.2m WIDTH AND 2.3m HEIGHT.
4. SECONDARY ESCAPE ROUTES SHALL BE MINIMUM 0.8m WIDTH AND 2.3m HEIGHT.
5. SECONDARY MUSTER AREA SHALL BE SIZED IN ORDER TO PROVIDE SUFFICIENT SPACE FOR THE MAXIMUM POB OF 10 ON THE PLATFORM, CONSIDERING AS MINIMUM 0.8 m^2 PER PERSON.
6. THE EVACUATION PHILOSOPHY IS AS FOLLOW:
   - PRIMARY MEANS OF EVACUATION - VIA PRIMARY MUSTER AREA,LOCATED AT PLATFORM ON TRANSITION PIECE THEN TO CREW TRANSFER VESSEL.
   - SECONADRY MEANS OF EVACUATION - VIA SECONDARY MUSTER AREA, LOCATED AT THE NORTH-EAST CORNER OF THE LOWER DECK, THEN TO LIFERAFTS.
7. ESCAPE MASKS, ELECTRICAL SAFETY KIT, RESUSCITATION UNIT, IMMERSION SUITS, LIFE JACKET AND FIRST AID KID TO BE LOCATED IN WEATHERPROOF CABINETS, AT STRATEGIC POSITIONS.
8. EACH LIFERAFT TO BE SIZED FOR MAXIMUM POB OF 10 PERSONS.
9. 2 NOS. OF PORTABLE CO2 EXTINGUISHERS TO BE LOCATED IN EACH ROOM (ITER, HV & LV ROOMS AND UPS ROOM).
10. EYEWASH BOTTLES TO BE PORTABLE AND CARRIED BY OPERATORS ONLY DURING MAINTENACE PERIOD.
11. ALL PORTABLE EXTINGUISHERS LOCATED IN OPEN AREA WILL BE EQUIPPED WITH A WEATHERPROOF CABINET.
12. LIFE RAFT ACCESS WILL BE GUARANTED BY MEANS OF DESCENT DEVICE.
13. QUANTITY OF ESCAPE MASK WAS ASSESSED AGAINST THE NUMBER OF EXPECTED RESCUE TEAM (2/3 OPERATORS) THAT COULD NEED TO RESCUE SOMEONE REMAINED TRAPPED INSIDE ANY CONTAINER WHEN A FIRE EMERGENCY SCENARIO IS ONGOING.

LEGEND

PRIMARY ESCAPE ROUTE

SECONDARY ESCAPE ROUTE

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DS-70070	PLOT PLAN - LOWER & UPPER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	28/02/25	MMA	CCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
02	01/10/24	MMA	CCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	10/07/24	MMA	CCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	31/01/24	MMA	CCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

ESCAPE ROUTES, FIRE FIGHTING, LIFE SAVING EQUIPMENT AND SAFETY EQUIPMENT LAYOUTS DRAWING

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:150
DRAWN M. MAGNI	CHECKED C. CARACCIOLO	APPROVED D. LO STERZO	DATE 28/02/25
A1	DRAWING NO. 123A90-DDL-SAF-DL-30026	SHEET 001	REV. 03

File Name : 123A90-DDL-SAF-DL-30026 REV.03

Arco Professional Safety Services Ltd.

Product Technical Data.					
Short Description:	40m Offshore S-Cape™ MkVI Personal Emergency Evacuation Unit.				
Product ID:	15800	**Model Ref:**	9306040	**System Length:**	40m.
	**Offshore S-Cape™ MkVI Personal Emergency Evacuation System.** Designed specifically as a Tertiary Personal Emergency Self-Rescue / Evacuation System from offshore oil & gas installations. The Offshore S-Cape™ life-saving appliances (personal abseiling rescue devices) are in current use in many regions around of the world. The Offshore S-Cape™ evacuations units are liferaft compatible & can also be used to lower off an injured or unconscious person. This model also has an inner vacuum sealed foil bag for additional protection. The system is pre-reeved & ready to use by trained personnel. Each unit is supplied with, as standard, an operational certificate and system instructions. The Declaration of Conformity is issued separately. This product requires training before use.				
Recertification period:	9Years	**Capacity:**	One Person (40 - 150kg.)		
Net weight:	6.8kg.	**Dimensions:**	46cm. x 15cm. x 26.5cm.		
Rate of Descent:					
Conscious person:	Variable 0>	**Unconscious person:**	Auto-stop.		
Principal Materials: Aluminium top connector, Polyamide rope, aluminium / steel descender, harness is 25% PAD, 70% PVC, 5% Steel, stainless steel intermediate connector & quick release unit, stainless steel handrail strop assembly, Polyester painter line strop with stainless steel connectors, PVC outer bag with stainless steel connector, LDPE / OPA / Aluminium foil / polyester film inner bag, polythene grip seal bag, activated clay desiccant in a Tyvek bag.					
Manufacturer:	Arco Professional Safety Services Ltd.				
Export Commodity Tariff Code:	8479 89 97				
Country of origin:	EC – United Kingdom				
Rope CE Marked via:	EN1891:1998				
Descender CE Marked via:	EN12841:2006 Type C.				
Harness CE Marked & tested to:	EN1497:2007, EN1498:2006 Class B. MBL 15kN.				
Liferaft Compatible:	Yes.				
Ability to lower a unconscious / injured casualty.	Yes.				
Other lengths available for this application:	Yes.				
Training to User Level available:	Yes.				
Training to Instructor Level available:	Yes.				
Other Rescue kit models available for other applications:	Yes.				

Additional notes:
In order to be liferaft compatible the system length of the Offshore S-Cape™ system needs to be of a length that is at least the deployment height above the LAT (Lowest Astronomical Tide) plus 12metres.

S-Cape™ Systems: Are rescue systems designed and manufactured by Arco Professional Safety Services Ltd. These are available in a wide variety of models to suit specific applications for the rescue of either the user as in a self-rescue / evacuation, or a casualty.
Please note that instructions are currently only in English with some pictorial content, if other languages are required, then please ask for further detail.
Please contact Arco Professional Safety Services Ltd. or your local Arco representative for more help about a specific rescue application.
Total Access is also a trading name of Arco Professional Safety Services Ltd.

2nd December 2019 Rev: 3

Arco Professional Safety Services Ltd.
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E mail: info@arcoservices.co.uk Web Site: www.arcoservices.co.uk

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(Registered office)

Warrington Office
Warrington Business Park
Long Lane
Warrington
WA2 8TX
01925 244144

Enfield Office
25 Jute Lane
Enfield
London
EN3 7PJ
020 8805 5144

Hull Office
PO Box 21
Waverley Street
Hull
Post: HU1 2SJ
Sat nav: HU1 2SH
01482 222522

Registered in England, Company Registration Number: 02712780. VAT Registration Number: GB 166 9115 46.

	Rev	Item	Required
1		**GENERAL DATA**	
2		**EQUIPMENT TYPE**	**DESCENT DEVICE**
3		**TAG**	YEE-079004 A up to V
4		**MAIN ITEM**	descent devices - donut type
5		**QUANTITY**	20
6		**STANDARDS**	-
7		**APPROVAL/CERTIFICATE**	IMO/LSA
8		**REF. TECHNICAL SPEC.**	123A90-DDL-SAF-SP-30032
9		**REF. DRAWING**	123A90-DDL-SAF-DL-30025/26
10		**OPERATING CONDITIONS**	
11		**LOCATIONS**	Outdoor:, as per ref. Drawings inside safety cabinets
12		**ENVIRONMENT CONDITION**	MARINE ENVIRONMENT
13		**TEMPERATURE**	from -10°C to 30°C
14			
15		**TECHNICAL DATA**	
16		**MATERIAL**	
17		**COLOR**	International Orange or fluorescent yellow
18		**DIMENSION**	By Vendor
19		**WEIGHT**	By Vendor
20		**INSTRUCTION SIGN**	Operating instructions shall be clearly fixed in English
21		**MINIMUM DESCENT HEIGHT**	25m
22		**MARKING**	N/A
23			
24		**TAPE MATERIAL**	By Vendor
25		**DESCENDER MATERIAL**	By Vendor
26			

ITEM	Tag	Descent_Device_TP	: Descent Device			Dwg	123A90-DDL-SAF-DL-30025
	S/Sys	76-30	: Life Raft			Module	TP
TASK	code	C10004500		Location	Onshore Activities	User	Rosetti Marino Quality Control
FORM	Process	MC	Activity CCK	Discipline	Safety	Form	CYX17 Descent Device

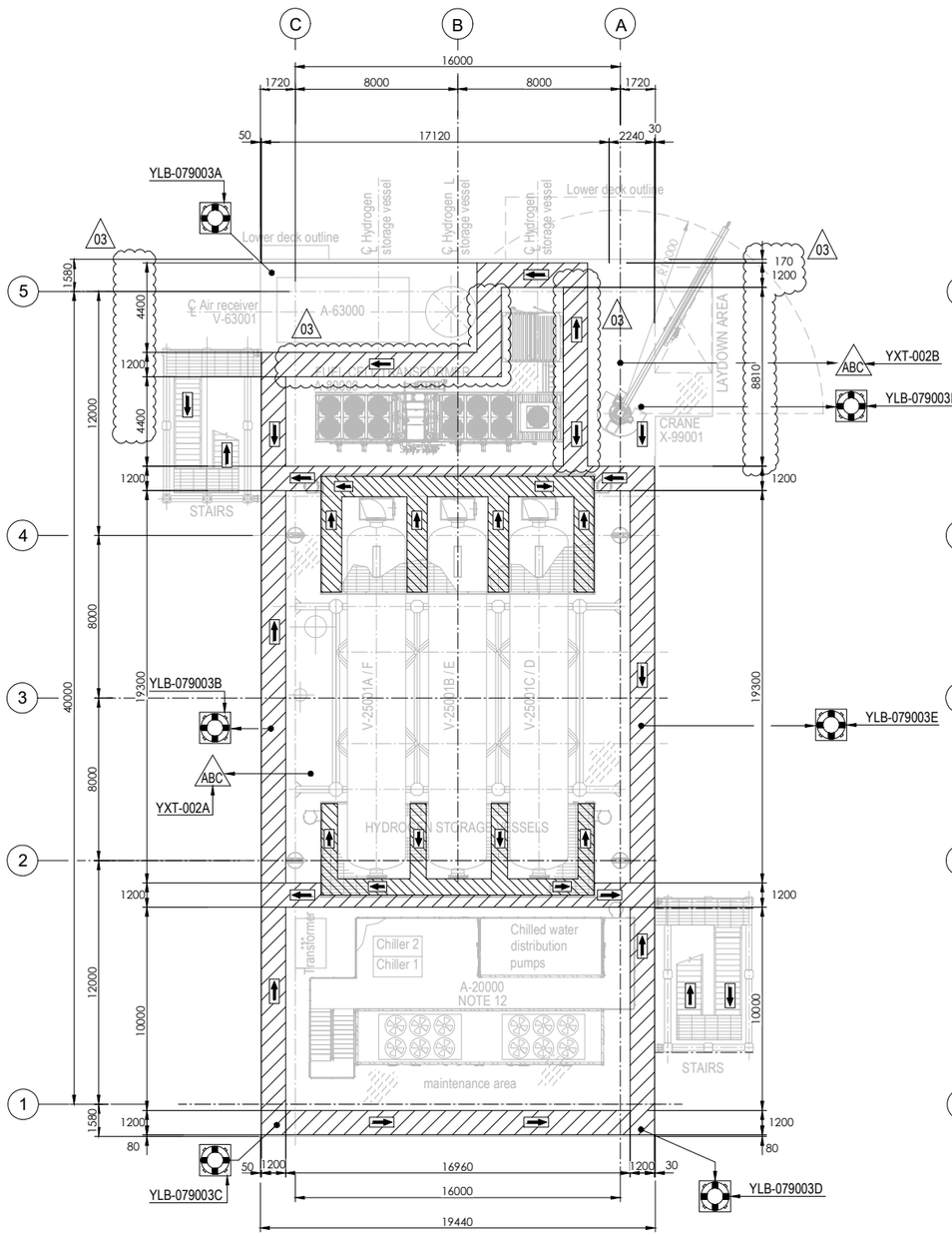
1	Check that certification is complete. Check also that the nameplate details are correct and complete (Validity up to 6 months after sailaway, if required).	OK
2	Check markings.	OK
3	Check the location and elevation supports and they are levelled.	Note
4	Check that the descendent device is correctly orientated.	Note
5	Check that the descendent device holding arrangement is correct.	OK
6	Check for any installation damage.	Note
7	Check that the installation is as per approved drawings.	Note
8	Check the painted surfaces finish for damage.	OK
9	Check that the wire ropes are serviceable.	Note
10	Check that the reflective strips are attached.	Note
11	Check that the equipment is correctly preserved/lubricated.	OK
12	If required produce Red Line Mark Up for "AS BUILT"	

Comments: NOTE: all equipment will be installed in offshore phase.

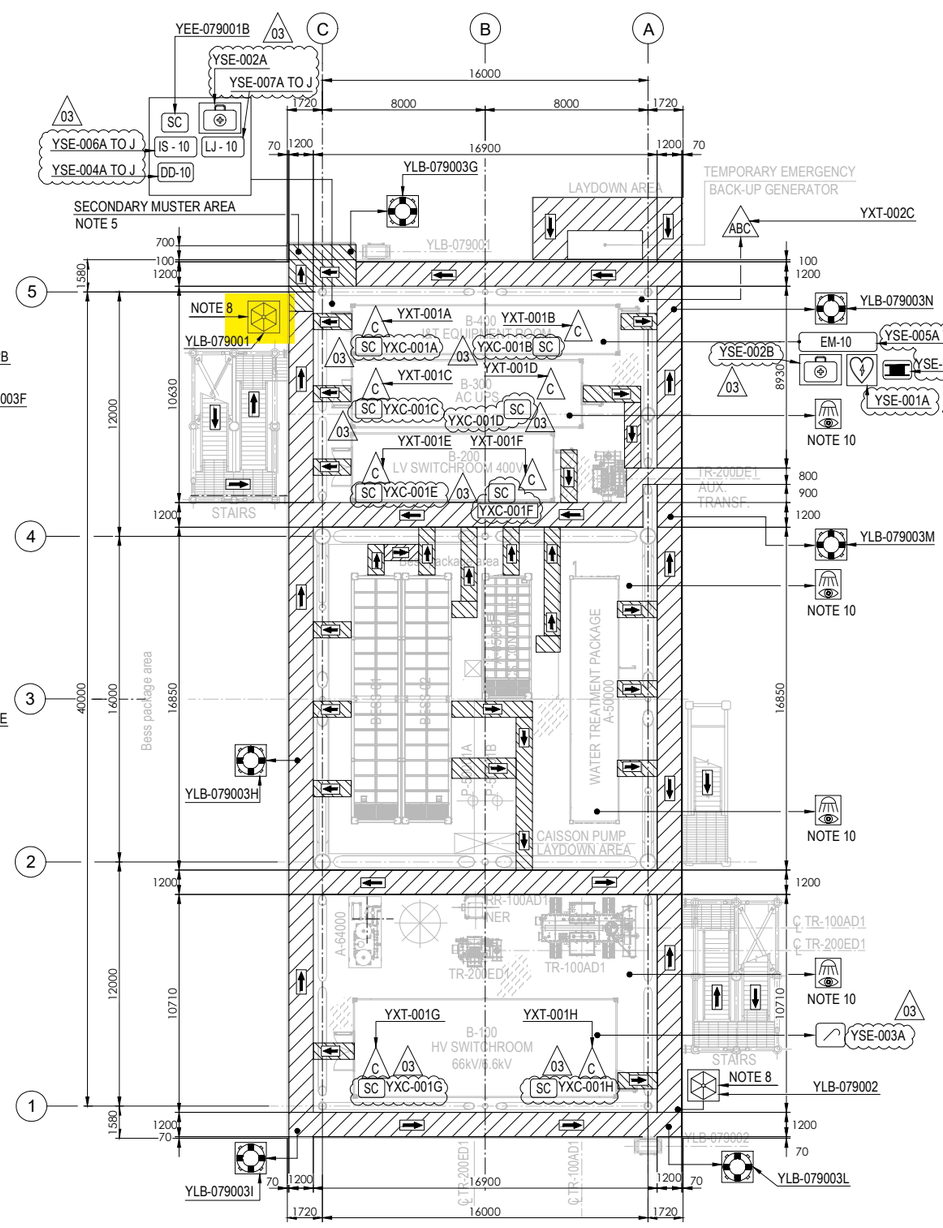
	Performed by	● WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM CONSTRUCTION	RM (ROSETTI MARINO)	
Name	Gianluca De Maglie	Giovanni Tangianu	
Date	2025-04-24	2025-05-07	
Signature	PROVERLIS Digitaly signed by Gianluca De Maglie 2025-04-24T06:54:29.643Z GDM	PROVERLIS Digitaly signed by Giovanni Tangianu 2025-05-07T12:51:17.564Z	

DRAWING NO. 123A90-DDL-SAF-DL-30025

REV. 03

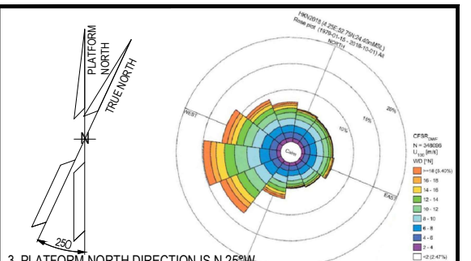


PLAN ON UPPER DECK
EL+30.310 T.O.S.



PLAN ON LOWER DECK
EL+23.310 T.O.S.

SYMBOL	DESCRIPTION	QTY.	SYMBOL	DESCRIPTION	QTY.
	LIFE BUOY(FITTED WITH LIGHT, SMOKE SIGNAL & LIFELINE)	13	EM	ESCAPE MASK NOTE 13	4
	EYE WASH STATION (BOTTLES)	4	IS-XX	IMMERSION SUITS (INSIDE CABINET)	10
	RESUSCITATION UNIT	1	LJ-XX	LIFE JACKET (INSIDE CABINET)	20
	FIRST AID KIT	3		LIFERAFTS	2
	ELECTRIC SAFETY KIT	1	ABC 9 kg	POWDER PORTABLE EXTINGUISHER	3
C	PORTABLE EXTINGUISHER (CO2)	8	SC	SAFETY CABINET	2
DD	DESCENT DEVICE	20		EVACUATION STRETCHER (TO BE LOCATED IN ITER)	1



3. PLATFORM NORTH DIRECTION IS N 25°W.

NOTES

1. ALL DIMENSIONS IN mm U.N.O
2. ALL ELEVATIONS IN METERS.
3. PRIMARY ESCAPE ROUTES SHALL BE MINIMUM 1.2m WIDTH AND 2.3m HEIGHT.
4. SECONDARY ESCAPE ROUTES SHALL BE MINIMUM 0.8m WIDTH AND 2.3m HEIGHT.
5. SECONDARY MUSTER AREA SHALL BE SIZED IN ORDER TO PROVIDE SUFFICIENT SPACE FOR THE MAXIMUM POB OF 10 ON THE PLATFORM, CONSIDERING AS MINIMUM 0.8 m^2 PER PERSON.
6. THE EVACUATION PHILOSOPHY IS AS FOLLOW:
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8. EACH LIFERAFT TO BE SIZED FOR MAXIMUM POB OF 10 PERSONS.
9. 2 NOS. OF PORTABLE CO2 EXTINGUISHERS TO BE LOCATED IN EACH ROOM (ITER, HV & LV ROOMS AND UPS ROOM).
10. EYEWASH BOTTLES TO BE PORTABLE AND CARRIED BY OPERATORS ONLY DURING MAINTENACE PERIOD.
11. ALL PORTABLE EXTINGUISHERS LOCATED IN OPEN AREA WILL BE EQUIPPED WITH A WEATHERPROOF CABINET.
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13. QUANTITY OF ESCAPE MASK WAS ASSESSED AGAINST THE NUMBER OF EXPECTED RESCUE TEAM (2/3 OPERATORS) THAT COULD NEED TO RESCUE SOMEONE REMAINED TRAPPED INSIDE ANY CONTAINER WHEN A FIRE EMERGENCY SCENARIO IS ONGOING.

LEGEND

PRIMARY ESCAPE ROUTE

SECONDARY ESCAPE ROUTE

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DS-70070	PLOT PLAN - LOWER & UPPER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	28/02/25	MMA	CCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
02	01/10/24	MMA	CCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	10/07/24	MMA	CCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	31/01/24	MMA	CCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
ESCAPE ROUTES, FIRE FIGHTING, LIFE SAVING EQUIPMENT AND SAFETY EQUIPMENT LAYOUTS DRAWING

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:150
DRAWN M. MAGNI	CHECKED C. CARACCIOLO	APPROVED D. LO STERZO	DATE 28/02/25
A1	DRAWING NO. 123A90-DDL-SAF-DL-30026	SHEET 001	REV. 03

File Name : 123A90-DDL-SAF-DL-30026 REV.03

Arco Professional Safety Services Ltd.

Product Technical Data.					
Short Description:	40m Offshore S-Cape™ MkVI Personal Emergency Evacuation Unit.				
Product ID:	15800	**Model Ref:**	9306040	**System Length:**	40m.
	**Offshore S-Cape™ MkVI Personal Emergency Evacuation System.** Designed specifically as a Tertiary Personal Emergency Self-Rescue / Evacuation System from offshore oil & gas installations. The Offshore S-Cape™ life-saving appliances (personal abseiling rescue devices) are in current use in many regions around of the world. The Offshore S-Cape™ evacuations units are liferaft compatible & can also be used to lower off an injured or unconscious person. This model also has an inner vacuum sealed foil bag for additional protection. The system is pre-reeved & ready to use by trained personnel. Each unit is supplied with, as standard, an operational certificate and system instructions. The Declaration of Conformity is issued separately. This product requires training before use.				
Recertification period:	9Years	**Capacity:**	One Person (40 - 150kg.)		
Net weight:	6.8kg.	**Dimensions:**	46cm. x 15cm. x 26.5cm.		
Rate of Descent:					
Conscious person:	Variable 0>	**Unconscious person:**	Auto-stop.		
Principal Materials: Aluminium top connector, Polyamide rope, aluminium / steel descender, harness is 25% PAD, 70% PVC, 5% Steel, stainless steel intermediate connector & quick release unit, stainless steel handrail strop assembly, Polyester painter line strop with stainless steel connectors, PVC outer bag with stainless steel connector, LDPE / OPA / Aluminium foil / polyester film inner bag, polythene grip seal bag, activated clay desiccant in a Tyvek bag.					
Manufacturer:	Arco Professional Safety Services Ltd.				
Export Commodity Tariff Code:	8479 89 97				
Country of origin:	EC – United Kingdom				
Rope CE Marked via:	EN1891:1998				
Descender CE Marked via:	EN12841:2006 Type C.				
Harness CE Marked & tested to:	EN1497:2007, EN1498:2006 Class B. MBL 15kN.				
Liferaft Compatible:	Yes.				
Ability to lower a unconscious / injured casualty.	Yes.				
Other lengths available for this application:	Yes.				
Training to User Level available:	Yes.				
Training to Instructor Level available:	Yes.				
Other Rescue kit models available for other applications:	Yes.				

Additional notes:
In order to be liferaft compatible the system length of the Offshore S-Cape™ system needs to be of a length that is at least the deployment height above the LAT (Lowest Astronomical Tide) plus 12metres.

S-Cape™ Systems: Are rescue systems designed and manufactured by Arco Professional Safety Services Ltd. These are available in a wide variety of models to suit specific applications for the rescue of either the user as in a self-rescue / evacuation, or a casualty.
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2nd December 2019 Rev: 3

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Sat nav: HU1 2SH
01482 222522

Registered in England, Company Registration Number: 02712780. VAT Registration Number: GB 166 9115 46.

	Rev	Item	Required
1		**GENERAL DATA**	
2		**EQUIPMENT TYPE**	**DESCENT DEVICE**
3		**TAG**	YEE-079004 A up to V
4		**MAIN ITEM**	descent devices - donut type
5		**QUANTITY**	20
6		**STANDARDS**	-
7		**APPROVAL/CERTIFICATE**	IMO/LSA
8		**REF. TECHNICAL SPEC.**	123A90-DDL-SAF-SP-30032
9		**REF. DRAWING**	123A90-DDL-SAF-DL-30025/26
10		**OPERATING CONDITIONS**	
11		**LOCATIONS**	Outdoor:, as per ref. Drawings inside safety cabinets
12		**ENVIRONMENT CONDITION**	MARINE ENVIRONMENT
13		**TEMPERATURE**	from -10°C to 30°C
14			
15		**TECHNICAL DATA**	
16		**MATERIAL**	
17		**COLOR**	International Orange or fluorescent yellow
18		**DIMENSION**	By Vendor
19		**WEIGHT**	By Vendor
20		**INSTRUCTION SIGN**	Operating instructions shall be clearly fixed in English
21		**MINIMUM DESCENT HEIGHT**	25m
22		**MARKING**	N/A
23			
24		**TAPE MATERIAL**	By Vendor
25		**DESCENDER MATERIAL**	By Vendor
26			

Section 12 FAT / VENDOR REPORTS

NOT APPLICABLE

Section 13 MECHANICAL COMPLETION CHANGES / MARK-UPS

NOT APPLICABLE