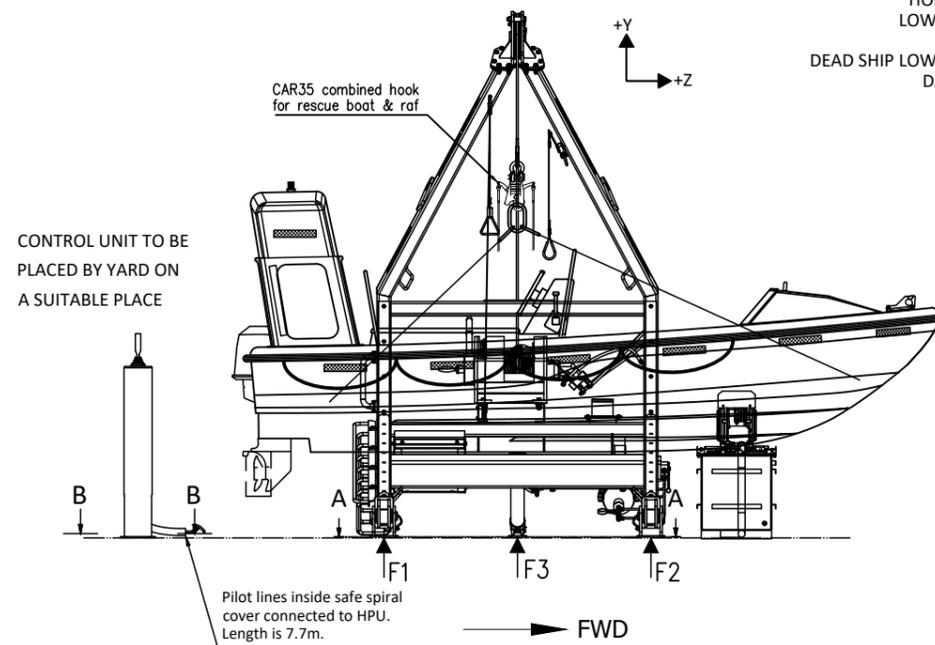
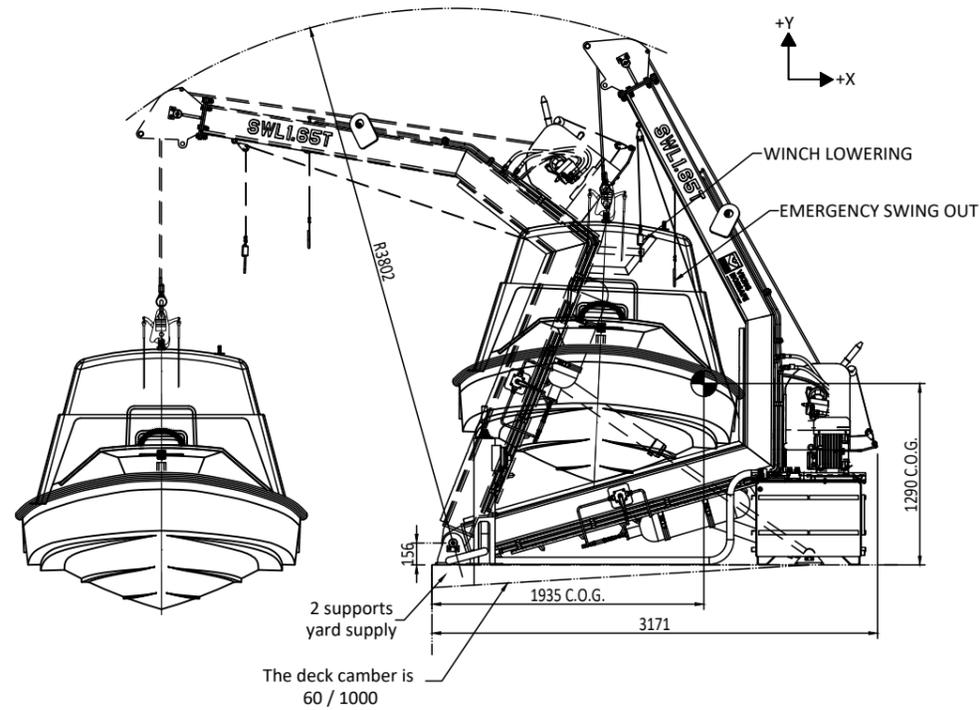


NDA-16 DAVIT FOR 500 Midget

SWL HOISTING: 1650 kg  
 SWL LOWERING: 1650 kg  
 HOISTING SPEED: MINIMUM 18 M/MIN  
 LOWERING SPEED: MINIMUM 18 M/MIN  
 DESIGN SPEC: 10° TRIM, 20° LIST SIMULTANEOUSLY  
 DEAD SHIP LOWERING SPEED: MAXIMUM 60 M/MIN  
 DAVIT WEIGHT: 1400 kg



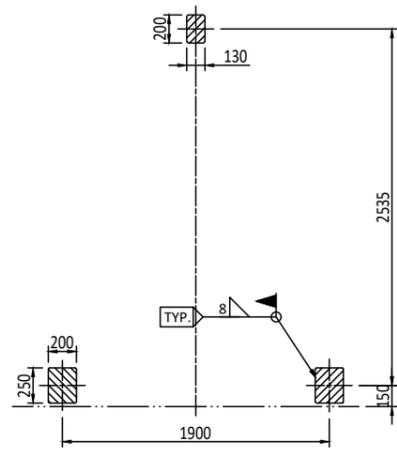
NOTES:

1. EMBARKATION PLATFORMS, LADDERS ETC.: YARD SUPPLY.
2. LOCATION OF HYDRAULIC POWER UNIT TO BE DECIDED BY YARD.
3. NORSAFE DELIVER 4m HOSES FOR CONNECTION BETWEEN DAVIT AND HPU. HYDRAULIC PIPING BETWEEN HPU AND DAVIT IS YARD SUPPLY.
4. CONNECTION OF MAIN POWER SUPPLY TO EL. CABINET IS YARD SUPPLY.
5. ALL FIELD WELDS TO BE PERFORMED ACC. TO APPROVED WPS. (YARD RESPONSIBILITY). ALL FIELD WELDING IS SUBJECT TO CLASS APPROVAL PRIOR TO START WELDING.
6. FOR WINTERIZATION / ARCTIC AREAS OPERATION STEEL TO BE WITH CHARPY TESTING AT -20 DEGREES. HPU TO BE EQUIPPED WITH OIL SUMP HEATER.

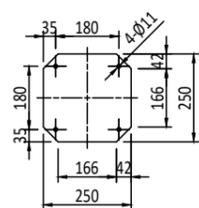
FORCES IN DECK (POINT LOAD EACH SIDE):  
 FOR ORIENTATION OF FORCES, SEE LEGEND ON DRAWING

NDA-16 Davit Reaction Forces in Deck							
Nodes	Force			Moment			
	Fx (kN)	Fy (kN)	Fz (kN)	Mx (kNm)	My (kNm)	Mz (kNm)	
F1 / F2	MAX.	36.648	31.026	5.328	5.015	2.574	1.738
	MIN.	-11.125	-6.013	-7.738	-6.224	-1.979	-5.720
F3	MAX.	28.117	27.077	0.329	0.024	0.000	5.740
	MIN.	-75.535	-17.247	-0.329	-0.024	0.000	-2.136

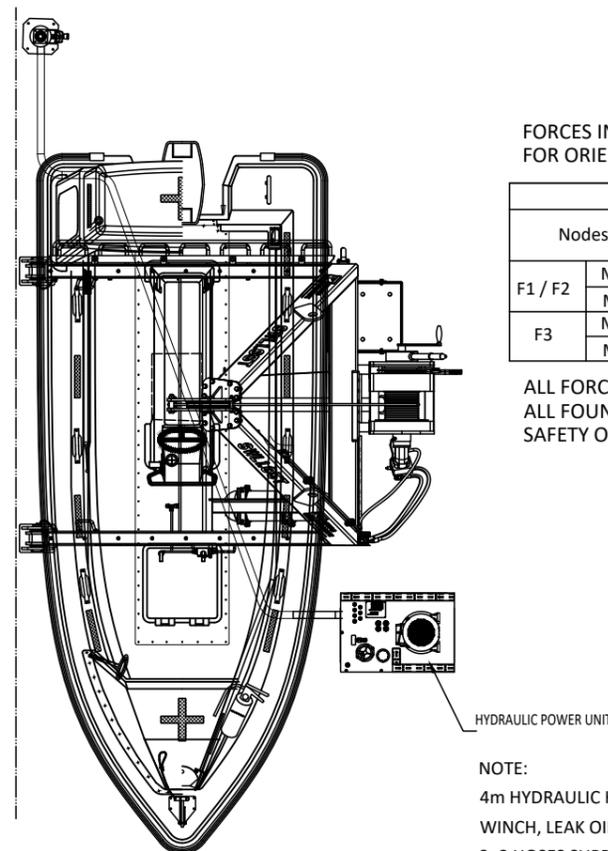
ALL FORCES ARE NOMINAL FORCES WITHOUT ANY SAFETY FACTORS.  
 ALL FOUNDATIONS SHALL BE DESIGNED WITH A FACTOR OF SAFETY OF MINIMUM 4,5.



A-A (1:25)  
 INTERFACE FOOT PRINTS IN DECK



B-B (1:10)  
 FOOT PRINT



NOTE:  
 4m HYDRAULIC HOSES FOR  
 WINCH, LEAK OIL AND CYLINDER.  
 3+2 HOSES SUPPLIED BY NORSAFE

REV	DESCRIPTION	BY	CHECK	APPRO	DATE
4	Re-issued for approval	CENI	GACA	WAGU	17.06.2019
3	Added 35kN combined hook	GACA	ALJI	WAGU	19.09.2014
2	Changed pilot hoses length to 7.7m, removed starter cabinet from HPU	GACA	ALJI	WAGU	09.04.2014
0	Issued for construction	GACA	ALJI	WAGU	22.01.2014

		VIKING Norsafe Life-Saving Equipment Norway AS P.O. Box 115 4852 Færevik NORWAY Tel: +47 37 05 85 00 Fax: +47 37 05 85 01 24/7 Service: +47 37 05 63 33 Email: viking@viking-life.com	
DWG SIZE: A3	SCALE: 1:50	COPY OF:	PART NO. / WEIGHT: /
CLIENT NO:	PROJECTION METHOD:	REVISION: 4	SHEET: 1/1
TOLERANCES: ISO 2768-mk, ISO 13920-BF	PROJECT:	NDA-16 Rescue Boat Davit for Norsafe 500 Midget General Arrangement SOLAS Version	
DWG No: G-500308			