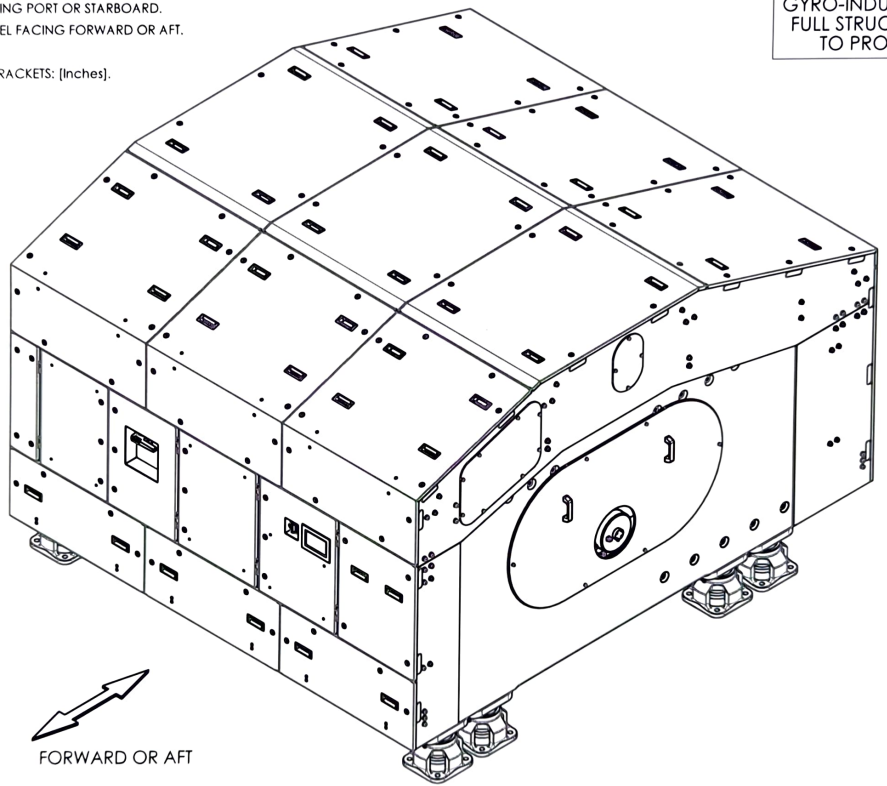
NOTES:

1. CONTACT VEEM IF GYRO INTENDED TO BE LOCATED MORE THAN 2m ABOVE DWL OR MORE THAN 70% OF LWL FORWARD OF TRANSOM.
2. DO NOT INSTALL GYRO WITH FRONT PANEL FACING PORT OR STARBOARD.
3. GYRO UNIT MAY BE INSTALLED WITH FRONT PANEL FACING FORWARD OR AFT.
4. REFER TO SHEET 7 FOR STRUCTURAL LOADS.
5. ALL DIMENSIONS IN: mm AND DIMENSIONS IN BRACKETS: [Inches].

WARNING !

GYRO-INDUCED LOADS ARE VERY LARGE.
FULL STRUCTURAL ANALYSIS IS REQUIRED
TO PROVIDE SUFFICIENT SUPPORT.



ISOMETRIC VIEW

CHANGE DESCRIPTION		MINIMUM SERVICE ACCESS SPACE UPDATED															
3	ISSUED FOR PRODUCTION	JDD	JW	10/2/23	JW	JW	10/02/23	-			-			DF		10/2/23	
REV.	DESCRIPTION	DRN	INITL	DATE	ENG CHK	INITL	DATE	MAN APP	INITL	DATE	ELECT APP	INITL	DATE	SALES APP	INITL	DATE	

REVISIONS

VEEM MARINE
PROPELLERS AND GYROSTABILISERS
COPYRIGHT 2021 - ALL RIGHTS RESERVED BY VEEM LTD. THE DRAWING HAS BEEN PRODUCED BY VEEM LTD. NO PART MAY BE COPIED, MODIFIED OR REPRODUCED IN ANY MANNER WITHOUT PRIOR WRITTEN APPROVAL OF VEEM LTD - www.veem.com.au

VEEM ENGINEERING GROUP
12 PARK ST
CANNING VALE, WA 6155
TEL: +61 8 9455 9355
FAX: +61 8 9455 9355
email: veem@veem.com.au

DRAFTING TO AS 1100.101 AND 1100.201	
TOLERANCES IN ACCORDANCE WITH	-
MACHINE SURFACES	3.2 ∇UON
DEBURR ALL SHARP EDGES	

PART/ASSEMBLY No	MASS	TOTAL QTY / GYRO
1000-AT-1000-3	SEE SHEET 2	1

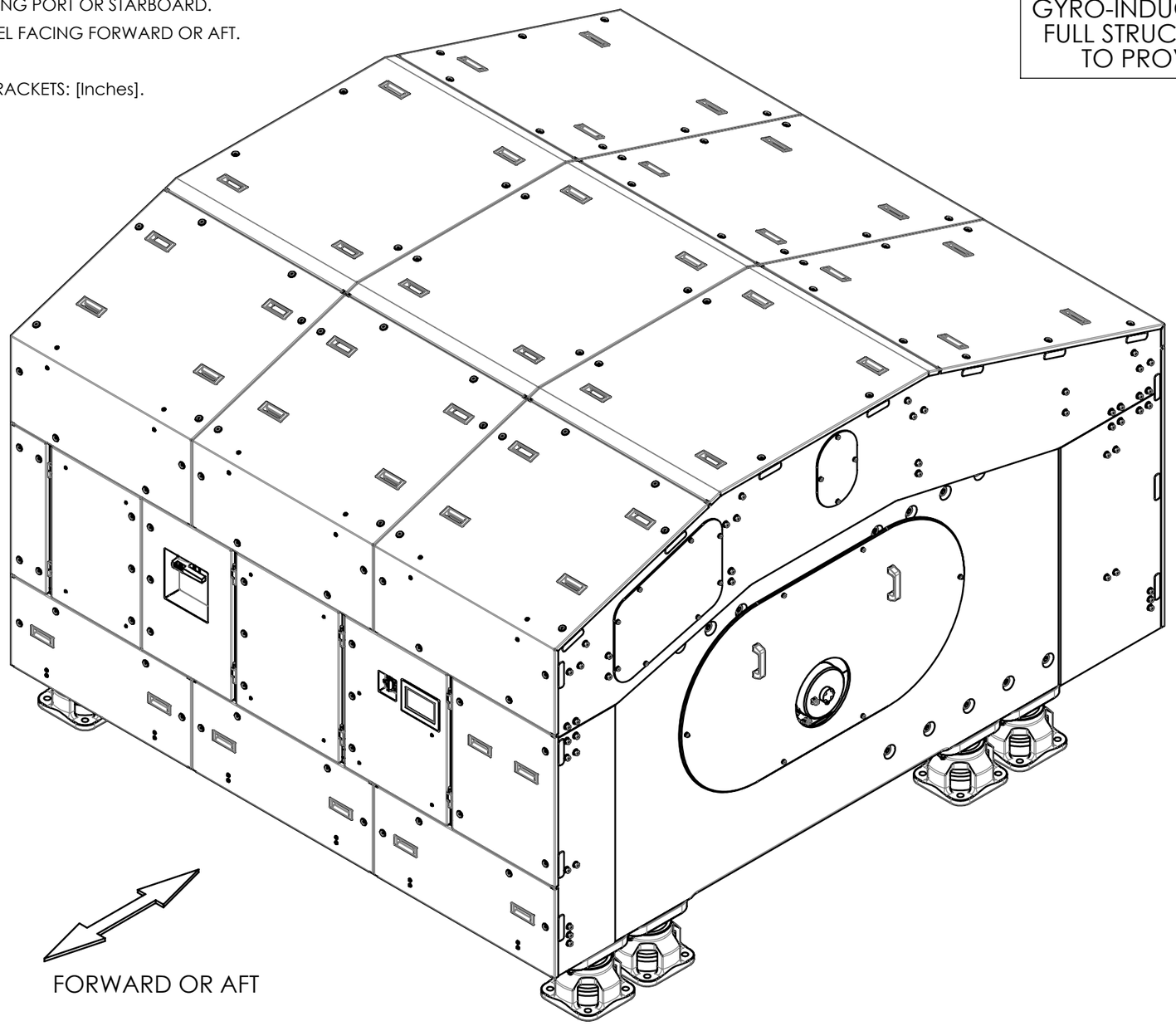
DESCRIPTION	VG520 & VG750 INSTALLATION DRAWING
DRG No	1000-DT-1000.01
REV	3
MATERIAL	-
PROCESS	ASSEMBLY
SHEET	01 OF 13
SCALE	1:20
SHEET SIZE	A3

NOTES:

1. CONTACT VEEM IF GYRO INTENDED TO BE LOCATED MORE THAN 2m ABOVE DWL OR MORE THAN 70% OF LWL FORWARD OF TRANSOM.
2. DO NOT INSTALL GYRO WITH FRONT PANEL FACING PORT OR STARBOARD.
3. GYRO UNIT MAY BE INSTALLED WITH FRONT PANEL FACING FORWARD OR AFT.
4. REFER TO SHEET 7 FOR STRUCTURAL LOADS.
5. ALL DIMENSIONS IN: mm AND DIMENSIONS IN BRACKETS: [Inches].

WARNING !

GYRO-INDUCED LOADS ARE VERY LARGE.
FULL STRUCTURAL ANALYSIS IS REQUIRED
TO PROVIDE SUFFICIENT SUPPORT.



FORWARD OR AFT

ISOMETRIC VIEW

CHANGE DESCRIPTION		MINIMUM SERVICE ACCESS SPACE UPDATED														
3	IISSUED FOR PRODUCTION	JDD			JW			-			-			DF		
REV.	DESCRIPTION	DRN	INITL	DATE	ENG CHK	INITL	DATE	MAN APP	INITL	DATE	ELECT APP	INITL	DATE	SALES APP	INITL	DATE
REVISIONS																

COPYRIGHT 2021 - ALL RIGHTS RESERVED BY VEEM LTD. THIS DRAWING HAS BEEN PRODUCED BY VEEM LTD. NO PART MAY BE COPIED, MODIFIED OR REPRODUCED IN ANY MANNER WITHOUT PRIOR WRITTEN APPROVAL OF VEEM LTD - www.veem.com.au

VEEM ENGINEERING GROUP
22 BAILE RD
CANNING VALE, WA 6155
TEL: +61 8 9455 9355
FAX: +61 8 9455 9333
email: veem@veem.com.au

DRAFTING TO AS 1100.101 AND 1100.201

TOLERANCES IN ACCORDANCE WITH -

MACHINE SURFACES 3.2 UON

DEBURR ALL SHARP EDGES

PART/ASSEMBLY No	MASS	TOTAL QTY / GYRO
1000-AT-1000-3	SEE SHEET 2	1

DESCRIPTION: VG520 & VG750 INSTALLATION DRAWING

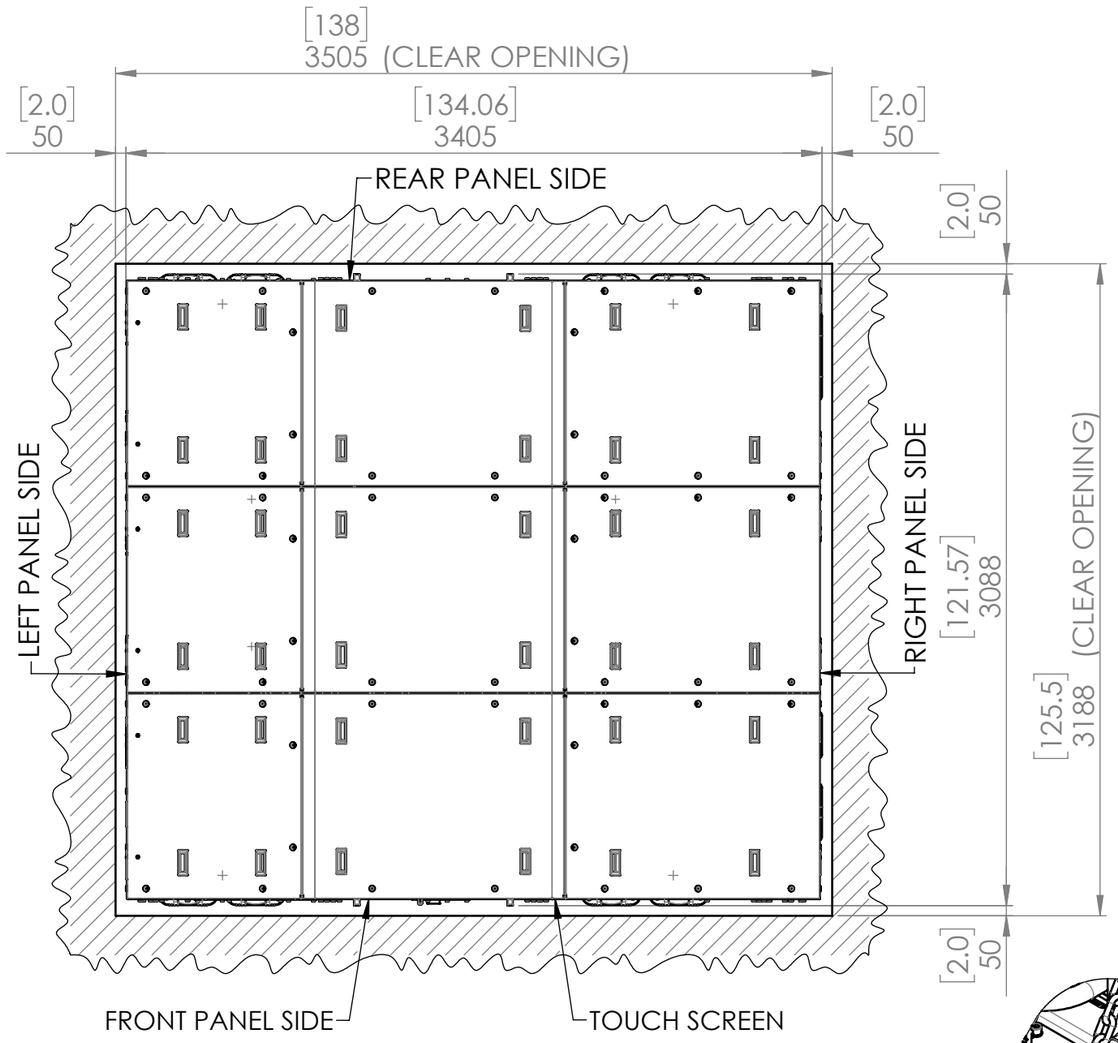
DRG No: 1000-DT-1000.01 REV: 3

MATERIAL: - PROCESS: ASSEMBLY

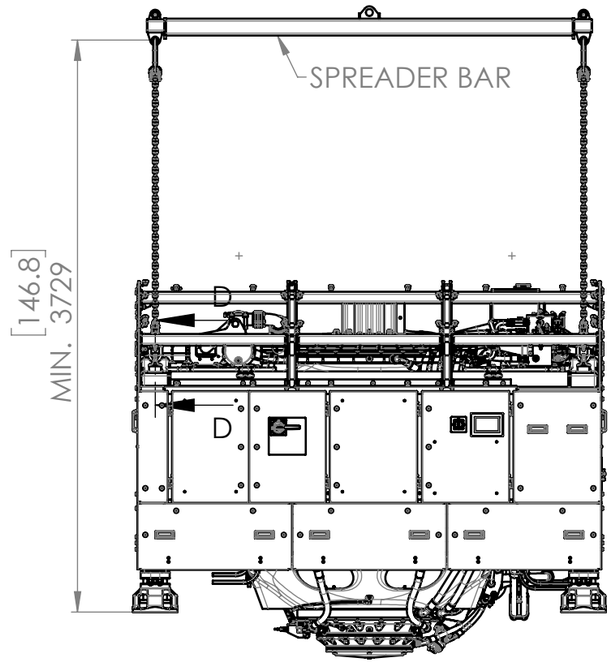
SHEET: 01 OF 13 SCALE: 1:20 SHEET SIZE: A3

NOTES:

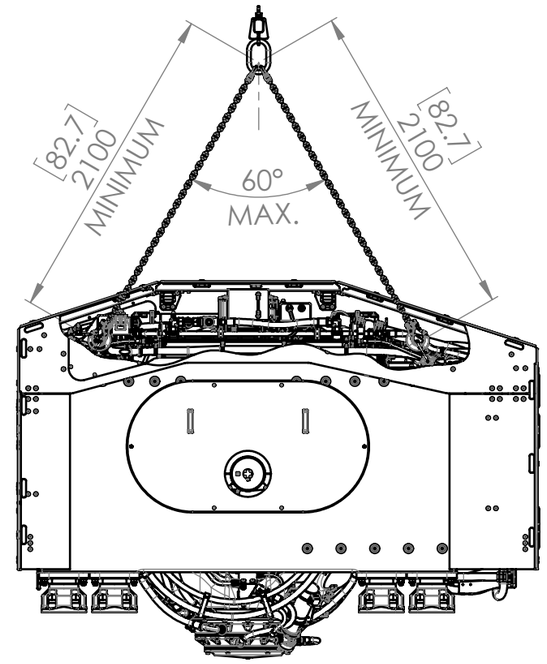
1. DESIGN AND EXECUTION OF A LIFTING PLAN IS THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR
2. 4 x M36 SWIVEL RING EYEBOLTS TO BE USED FOR LIFTING.
3. MAXIMUM SLING ANGLE 60°. SPREADER BAR 2800mm LONG TO BE USED
4. ENSURE RIGGING DOES NOT CONTACT GYRO ENCLOSURE OR DAMAGE MAY RESULT.
5. LIFTING RIGGING IS NOT INCLUDED IN GYRO STANDARD SCOPE OF SUPPLY.
6. ENSURE DIMENSIONS OF RIGGING INCLUDED IN DESIGN OF INSTALLATION SOFT PATCH CLEAR OPENING.
7. FOR DEEP LIFTS, CONSIDER SPREADER BAR WHEN DESIGNING DECK OPENING.
8. ALL DIMENSIONS IN: mm AND DIMENSIONS IN BRACKETS: [Inches].



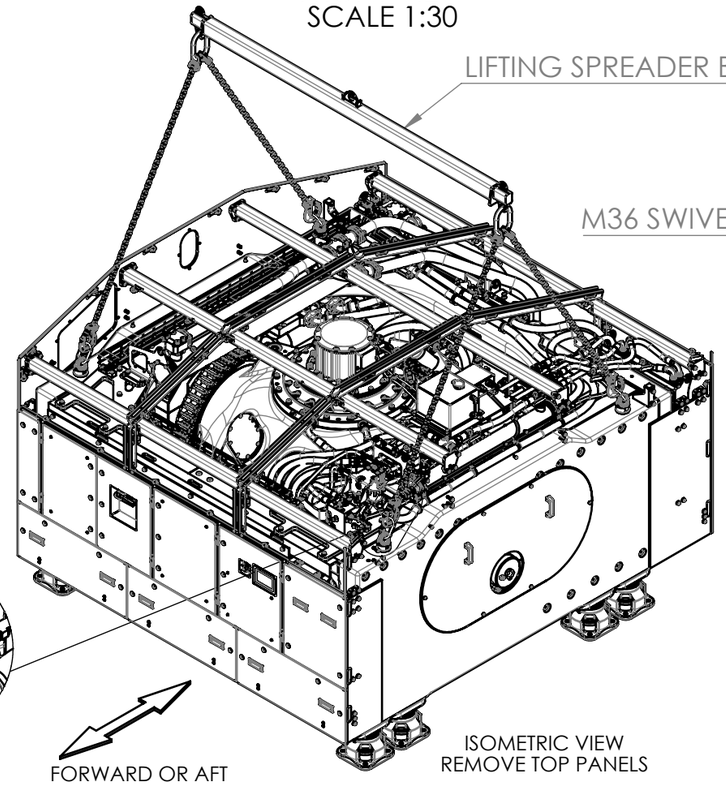
CLEAR OPENING DIMENSIONS FOR VERTICAL LIFT
TOP VIEW
(REMOVE TOP PANELS)



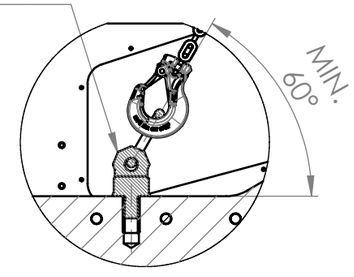
FRONT VIEW
SCALE 1:30



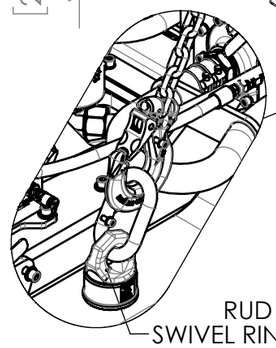
RIGHT VIEW
SCALE 1:30



ISOMETRIC VIEW
REMOVE TOP PANELS



SECTION D-D
SCALE 1 : 15



RUD M36
SWIVEL RING EYEBOLT
SEE NOTES

DETAIL B
SCALE 1 : 10

FORWARD OR AFT

MASS [Kg]	VG520SD	VG750SD
MASS WITH ENCLOSURE *	20000 Kg	23100 Kg
MASS WITHOUT ENCLOSURE *	19570 Kg	22670 Kg
* EXCLUDES MASS OF RIGGING.		

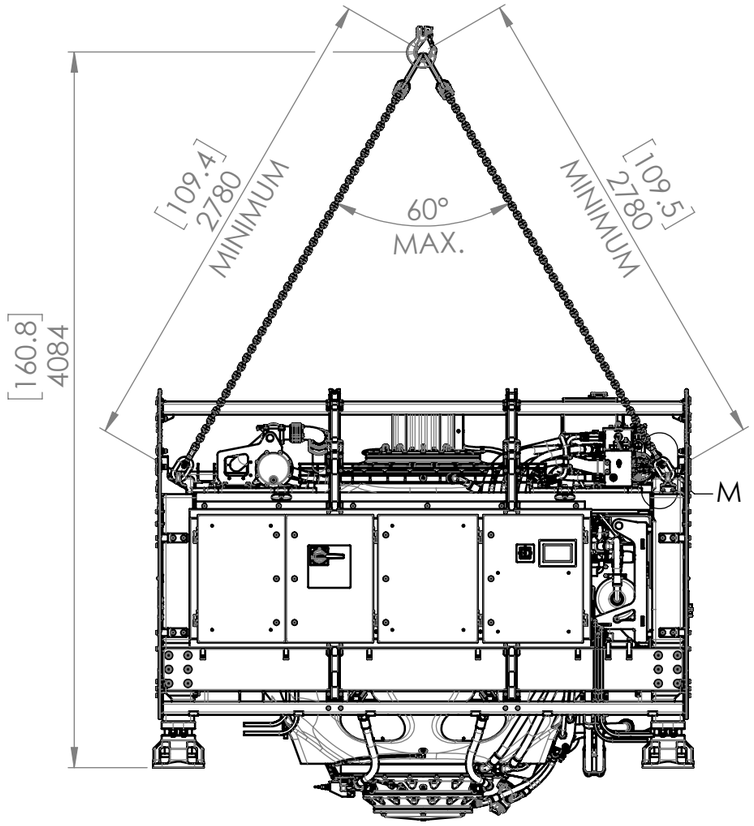
VEEM PROPELLERS AND GYROSTABILIZERS MARINE

COPYRIGHT 2021 - ALL RIGHTS RESERVED BY VEEM LTD. THIS DRAWING HAS BEEN PRODUCED BY VEEM LTD. NO PART MAY BE COPIED, MODIFIED OR REPRODUCED IN ANY MANNER WITHOUT PRIOR WRITTEN APPROVAL OF VEEM LTD - www.veem.com.au

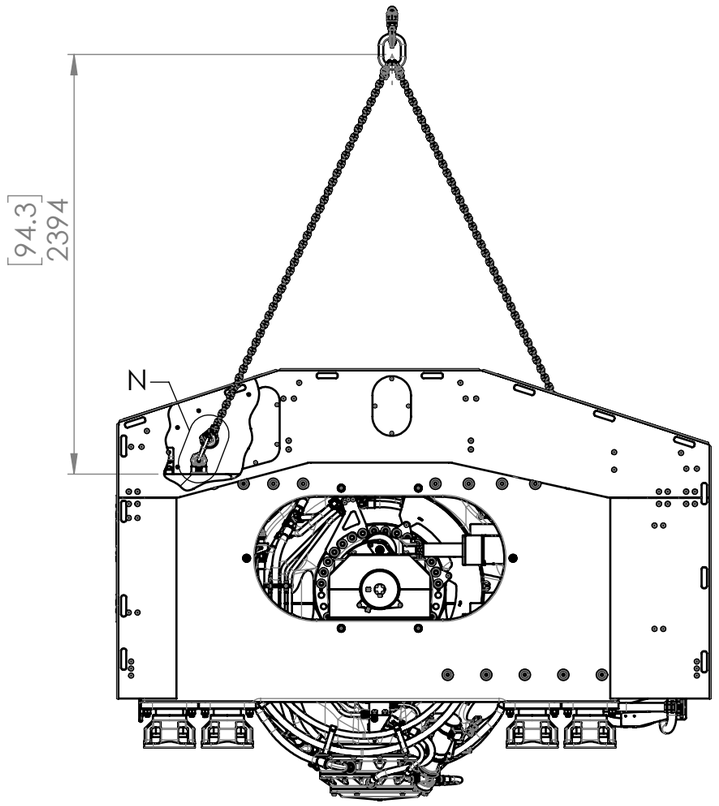
VEEM ENGINEERING GROUP
22 BAILE RD
CANNING VALE, WA 6155
TEL: +61 8 9455 9355
FAX: +61 8 9455 9333
email: veem@veem.com.au

DRAFTING TO AS 1100.101 AND 1100.201
TOLERANCES IN ACCORDANCE WITH -
MACHINE SURFACES 3.2 UON
DEBURR ALL SHARP EDGES

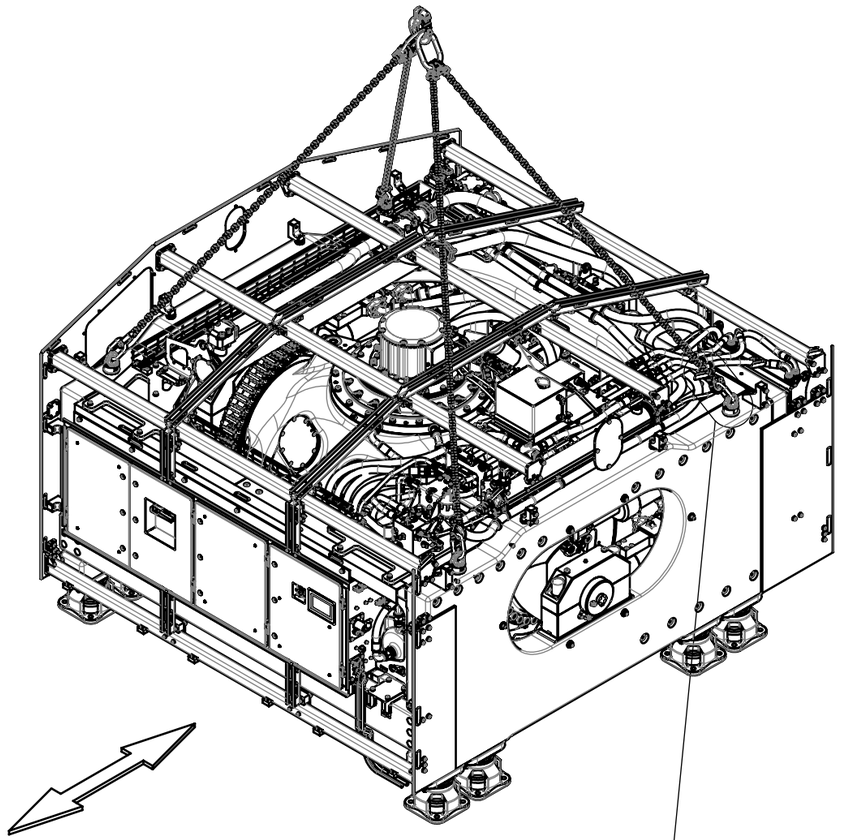
PART/ASSEMBLY No: 1000-AT-1000-3	MASS: SEE TABLE	TOTAL QTY / GYRO: 1	
DESCRIPTION: LIFTING DRAWING			
DRG No: 1000-DT-1000.02			REV: 3
MATERIAL: -		PROCESS: ASSEMBLY	
SHEET: 02 OF 13	SCALE: 1:40		SHEET SIZE: A3



FRONT VIEW
REMOVED PANELS

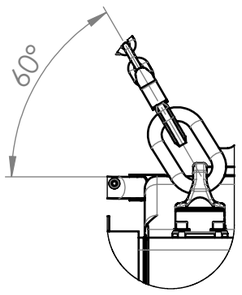


RIGHT VIEW
REMOVED PANELS

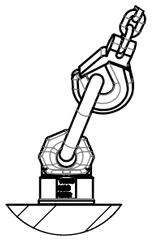


FORWARD OR AFT

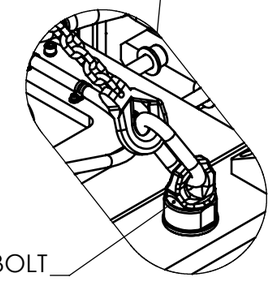
ISOMETRIC VIEW
REMOVE PANELS



DETAIL M
SCALE 1 : 10



DETAIL N
SCALE 1 : 10



DETAIL H
SCALE 1 : 10

NOTES:

1. 4 x M36 SWIVEL RING EYEBOLTS TO BE USED FOR LIFTING.
2. SWIVEL RING EYEBOLTS MIN WLL 8.00t EACH, (AS 2318 OR EQUIVALENT)
3. MAXIMUM SLING ANGLE 60°.
4. ENSURE RIGGING DOES NOT CONTACT GYRO ENCLOSURE OR DAMAGE MAY RESULT.
5. LIFTING RIGGING IS NOT INCLUDED IN GYRO STANDARD SCOPE OF SUPPLY.
6. ENSURE DIMENSIONS OF RIGGING INCLUDED IN DESIGN OF INSTALLATION SOFT PATCH CLEAR OPENING.
7. ALL DIMENSIONS IN: mm AND DIMENSIONS IN BRACKETS: [Inches].

VEEM MARINE
PROPELLERS AND GYROSTABILIZERS

COPYRIGHT 2021 - ALL RIGHTS RESERVED BY VEEM LTD. THIS DRAWING HAS BEEN PRODUCED BY VEEM LTD. NO PART MAY BE COPIED, MODIFIED OR REPRODUCED IN ANY MANNER WITHOUT PRIOR WRITTEN APPROVAL OF VEEM LTD - www.veem.com.au

VEEM ENGINEERING GROUP
22 BAILE RD
CANNING VALE, WA 6155
TEL: +61 8 9455 9355
FAX: +61 8 9455 9333
email: veem@veem.com.au

DRAFTING TO AS 1100.101 AND 1100.201

TOLERANCES IN ACCORDANCE WITH -

MACHINE SURFACES 3.2 UON

DEBURR ALL SHARP EDGES

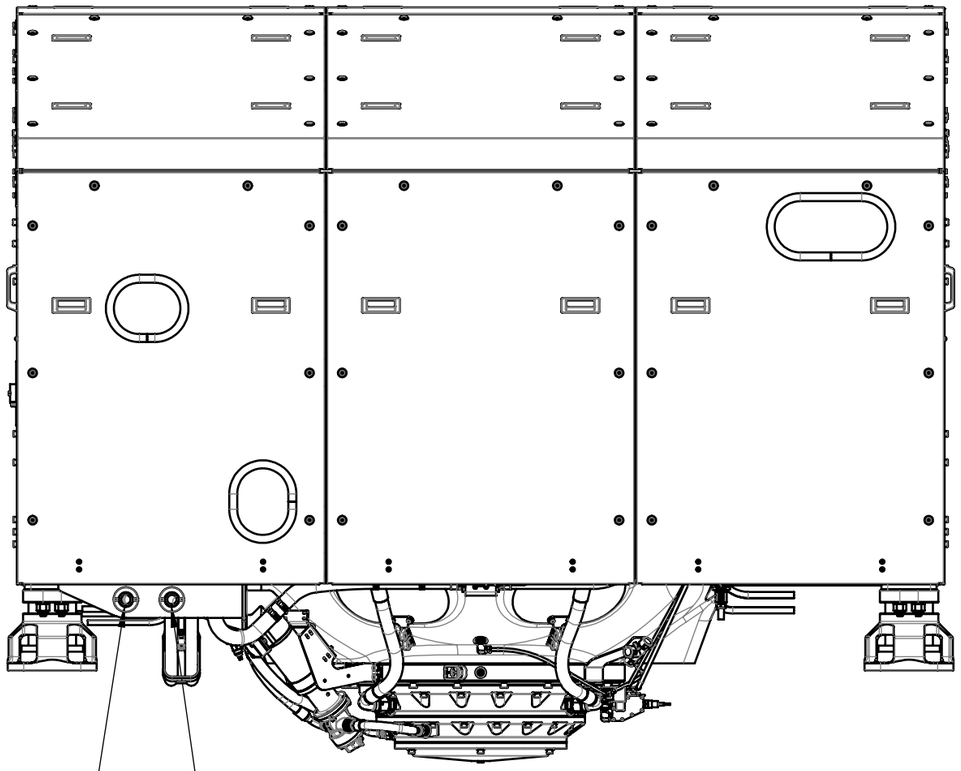
PART/ASSEMBLY No	MASS	TOTAL QTY / GYRO
1000-AT-1000-3	SEE SHEET 2	1

DESCRIPTION: SINGLE LIFTING DRAWING

DRG No: 1000-DT-1000.03 REV: 3

MATERIAL: - PROCESS: ASSEMBLY

SHEET: 03 OF 13 SCALE: 1:35 SHEET SIZE: A3



REAR PANEL VIEW

COOLING WATER TEMP °C [°F]	FLOW RATE (LITRES/min)	PRESSURE DROP (bar)	DISCHARGE TEMP °C [°F]
<22	125	0.8	47
22 - 27	140	1.0	49
27 - 32	170	1.4	50
32 - 35	200	1.8	52
35 - 38	235	2.4	53
MIN. /MAX. FLOW RATE: 85 /235 L/min.			
DATA FOR MAX LOADING CONDITIONS AND AT 55°C AIR			
COOLING WATER HEAT LOAD235kW MAXIMUM. MINIMUM COOLING WATER TEMP 12°C.			

AIR HANDLING TO CONSIDER COMPARTMENT HEAT LOADS AS BELOW	
COMPARTMENT TEMP. (°C)	HEAT LOAD (W)
20	6400
30	4600
40	3200
50	1600
60	0

COOLING WATER SUPPLY OPTIONS:

- RAW SEAWATER COOLING WATER MAY BE USED WITH # 50 µm MESH FILTER.
- CLOSED CIRCUIT INTER-COOLER SYSTEM RECOMMENDED.
  COOLANT TO BE DEMINERALISED WATER WITH APPROPRIATE DOSE OF CORROSION INHIBITOR.

PART/ASSEMBLY No	MASS	TOTAL QTY / GYRO
1000-AT-1000-3	SEE SHEET 2	1

VEEM MARINE
PROPELLERS AND GYROSTABILIZERS

COPYRIGHT 2021 - ALL RIGHTS RESERVED BY VEEM LTD. THIS DRAWING HAS BEEN PRODUCED BY VEEM LTD. NO PART MAY BE COPIED, MODIFIED OR REPRODUCED IN ANY MANNER WITHOUT PRIOR WRITTEN APPROVAL OF VEEM LTD - www.veem.com.au

VEEM ENGINEERING GROUP
22 BAILE RD
CANNING VALE, WA 6155
TEL: +61 8 9455 9355
FAX: +61 8 9455 9333
email: veem@veem.com.au

DRAFTING TO AS 1100.101 AND 1100.201

TOLERANCES IN ACCORDANCE WITH -

MACHINE SURFACES 3.2 UON

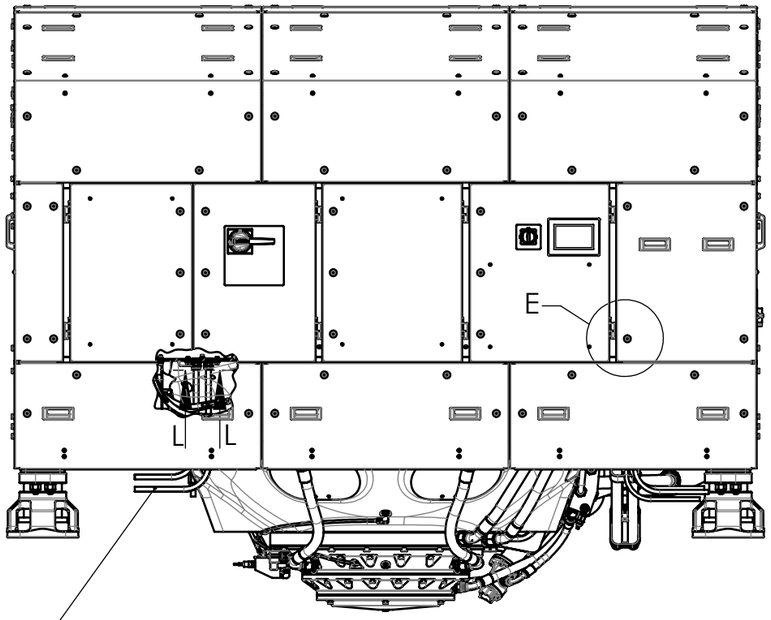
DEBURR ALL SHARP EDGES

DESCRIPTION: COOLING INTERFACE CONNECTIONS

DRG No	REV
1000-DT-1000.04	3

MATERIAL	PROCESS
-	ASSEMBLY

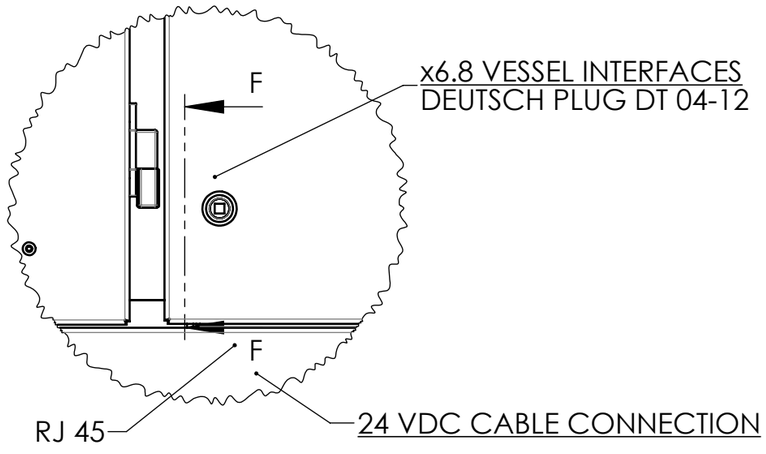
SHEET	SCALE	SHEET SIZE
04 OF 13	1:20	A3



FRONT PANEL VIEW

AC POWER ELECTRICAL CABLE

POWER SUPPLY REQUIREMENTS					
THREE PHASE SUPPLY (3Ø) 50/60Hz					
VOLTAGE:		-	415V	440V	480V
PHASE CURRENT: BEARINGS RUN-IN	100 kVA	-	139 Arms	130 Arms	120 Arms
PHASE CURRENT: NEW BEARINGS ***	118 kVA	-	182 Arms	155 Arms	142 Arms
NOTES: PHASE CURRENTS BASED ON MINIMUM PF OF 0.80, ACTUAL PF DEPENDS ON THE VESSEL POWER DISTRIBUTION DESIGN. TYPICAL PF AT FACTORY IS 0.92. MOTOR DRIVE EFFICIENCY OF 98% HAS BEEN CONSIDERED.					
DC SUPPLY: 24V, 26A (MAX 8Ah UNINTERRUPTED SUPPLY OF 24V DC REQUIRED IN THE EVENT OF LOSS OF AC POWER)					
ELECTRICAL & DATA CABLES TERMINATED THROUGH GLANDS IN CABINET, SEE SHEETS 13 & 14					
CABLING AND BREAKERS TO BE SIZED ACCORDING TO SHEET 13					
HARMONICS: OVERALL POWER DISTRIBUTION & HARMONIC VOLTAGE DISTORTION MANAGEMENT IS THE RESPONSIBILITY OF THE POWER DISTRIBUTION INTEGRATOR. SEE VEEM DOCUMENT 1000-SE-0001 FOR GYRO STABILISER HARMONIC CURRENT DISTORTION SPECTRUM MEASURED AT FACTORY FOR VG520SD & VG750SD					
** MINIMUM OF 398 V_{RMS} MUST BE PROVIDED AND MEASURED AT THE GYRO. LOWER VOLTAGE AT GYRO MAY RESULT IN LESS THAN RATED RPM BEING ACHIEVED.					
*** THE VEEM GYRO IS DELIVERED WITH BEARINGS RUN-IN AT FACTORY. THE POWER SUPPLY REQUIRED IN THIS CONDITION IS AS DESCRIBED IN THE ROW IN TABLE ABOVE MARKED "PHASE CURRENT (BEARINGS RUN-IN)". AFTER BEARINGS ARE REPLACED IN THE FIELD THERE WILL BE A RUN-IN PERIOD DURING WHICH THE RUNNING RESISTANCE OF THE NEW BEARINGS WILL BE HIGHER. THE RUN-IN PERIOD DEPENDS UPON THE LEVEL OF LOADING OF THE BEARINGS DURING THAT PERIOD AND CAN VARY WIDELY (50 HOURS UNDER HEAVY LOADING, UP TO HUNDREDS OF HOURS UNDER LIGHT LOADING CONDITIONS). IF THE POWER SUPPLY IS MAINTAINED AT THE SAME LEVEL AS FOR RUN-IN BEARINGS, A PERIOD OF LOWER ACHIEVABLE RPM IS EXPECTED. OPTIONALLY, IF PREFERRED, IN ORDER TO OVERCOME THE ADDITIONAL RESISTANCE DURING THIS PERIOD (AND THEREFORE MAINTAIN RATED RPM), ADDITIONAL POWER IS REQUIRED AS DESCRIBED IN THE ROW IN THE TABLE ABOVE MARKED "PHASE CURRENT (NEW BEARINGS)".					



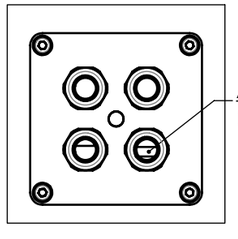
x6.8 VESSEL INTERFACES
DEUTSCH PLUG DT 04-12

RJ 45

24 VDC CABLE CONNECTION

DETAIL E
SCALE 1 : 5

A BLANK GLAND PLATE
IS AVAILABLE
1000-AM-22111

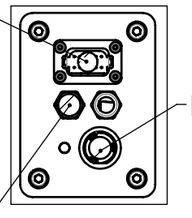


AC POWER ELECTRICAL CABLE
(MAX. GLAND DIA. 32 mm)

24 VDC CABLE CONNECTION
(MAX. GLAND DIA. 20 mm)

SECTION L-L
SCALE 1 : 5

x6.8 VESSEL INTERFACES
DEUTSCH PLUG DT 04-12



RJ 45

SECTION F-F
SCALE 1 : 5

COPYRIGHT 2021 - ALL RIGHTS RESERVED BY VEEM LTD. THIS DRAWING HAS BEEN PRODUCED BY VEEM LTD. NO PART MAY BE COPIED, MODIFIED OR REPRODUCED IN ANY MANNER WITHOUT PRIOR WRITTEN APPROVAL OF VEEM LTD - www.veem.com.au

VEEM ENGINEERING GROUP
22 BAILE RD
CANNING VALE, WA 6155
TEL: +61 8 9455 9355
FAX: +61 8 9455 9333
email: veem@veem.com.au

DRAFTING TO AS 1100.101 AND 1100.201

TOLERANCES IN ACCORDANCE WITH -

MACHINE SURFACES 3.2 UON
DEBURR ALL SHARP EDGES

PART/ASSEMBLY No	MASS	TOTAL QTY / GYRO
1000-AT-1000-3	SEE SHEET 2	1

DESCRIPTION: ELECTRICAL POWER CONNECTIONS

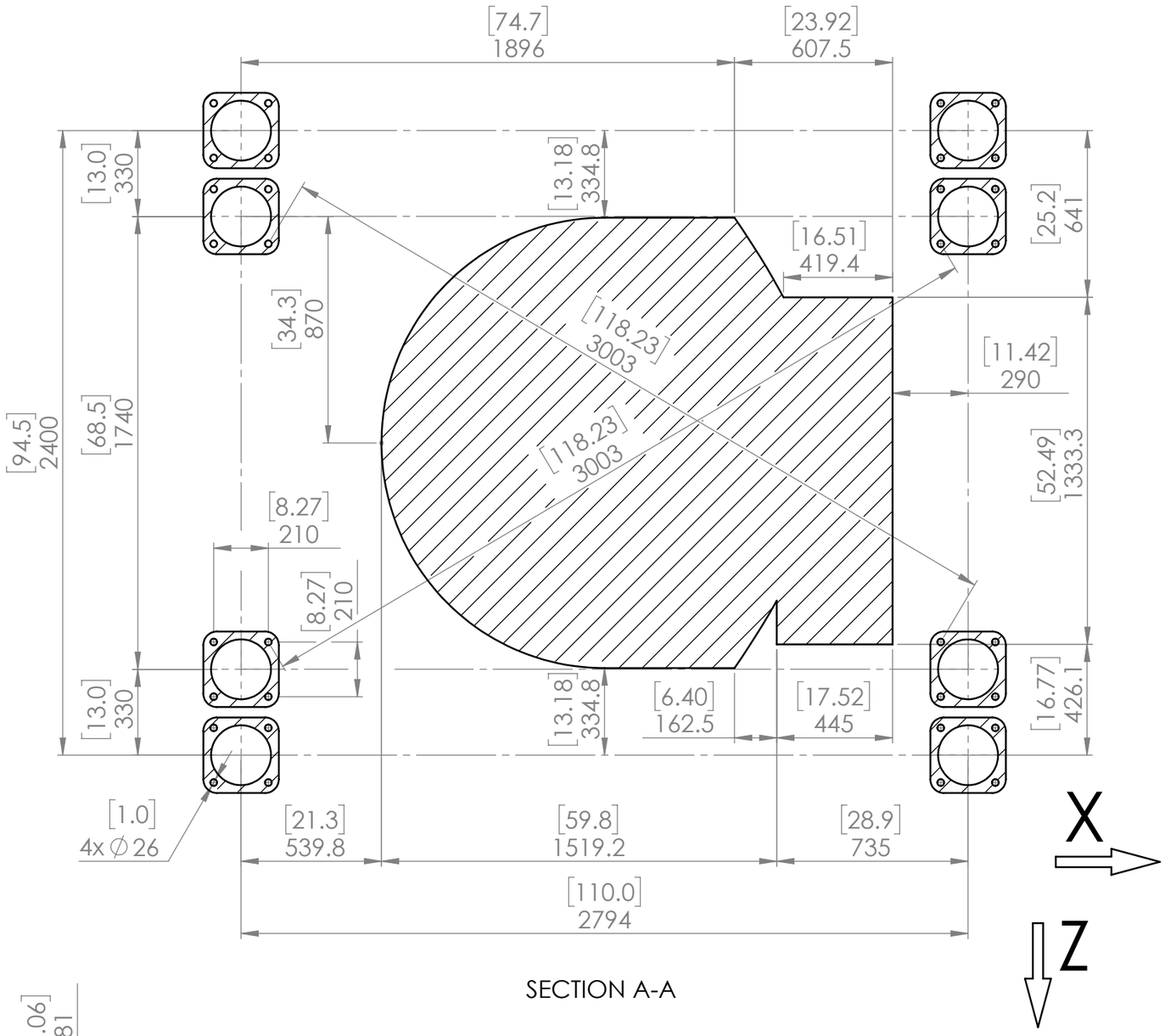
DRG No: 1000-DT-1000.05 REV: 3

MATERIAL: - PROCESS: ASSEMBLY

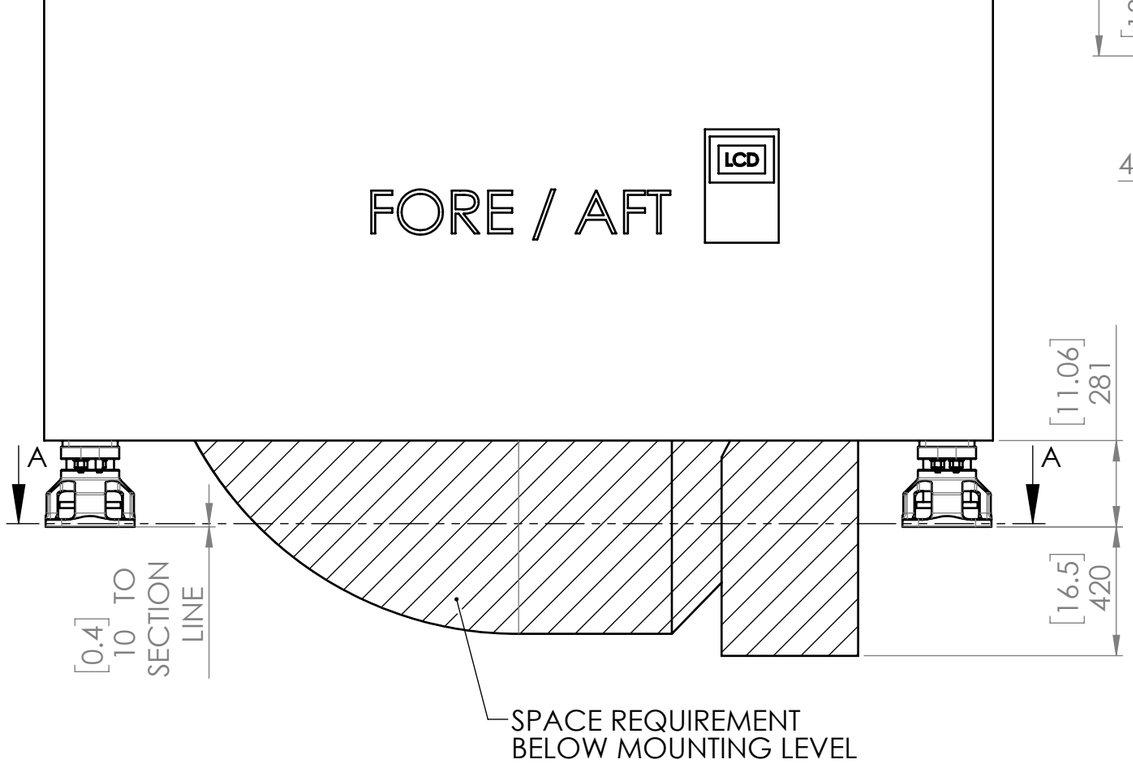
SHEET: 05 OF 13 SCALE: 1:25 SHEET SIZE: A3

NOTES:

- THIS MODEL REPRESENTS THE ACTUAL SIZE ENVELOPE OF THE GYRO STABILISER.
- THE HATCHED AREA IS REQUIRED FOR SAFE OPERATION.
- MOUNTING SURFACES AT EIGHT LOCATIONS TO BE LEVEL WITHIN 1mm ACROSS EACH MOUNT AND WITHIN 5mm ACROSS THE WHOLE FOOTPRINT.
- SEE 3D MODEL FOR DETAILED SPATIAL REQUIREMENTS.
- ALL DIMENSIONS IN: mm AND DIMENSIONS IN BRACKETS: [Inches]



SECTION A-A



COPYRIGHT 2021 - ALL RIGHTS RESERVED BY VEEM LTD. THIS DRAWING HAS BEEN PRODUCED BY VEEM LTD. NO PART MAY BE COPIED, MODIFIED OR REPRODUCED IN ANY MANNER WITHOUT PRIOR WRITTEN APPROVAL OF VEEM LTD - www.veem.com.au

VEEM ENGINEERING GROUP
22 BAILE RD
CANNING VALE, WA 6155
TEL: +61 8 9455 9355
FAX: +61 8 9455 9333
email: veem@veem.com.au

DRAFTING TO AS 1100.101 AND 1100.201

TOLERANCES IN ACCORDANCE WITH -

MACHINE SURFACES 3.2 UON

DEBURR ALL SHARP EDGES

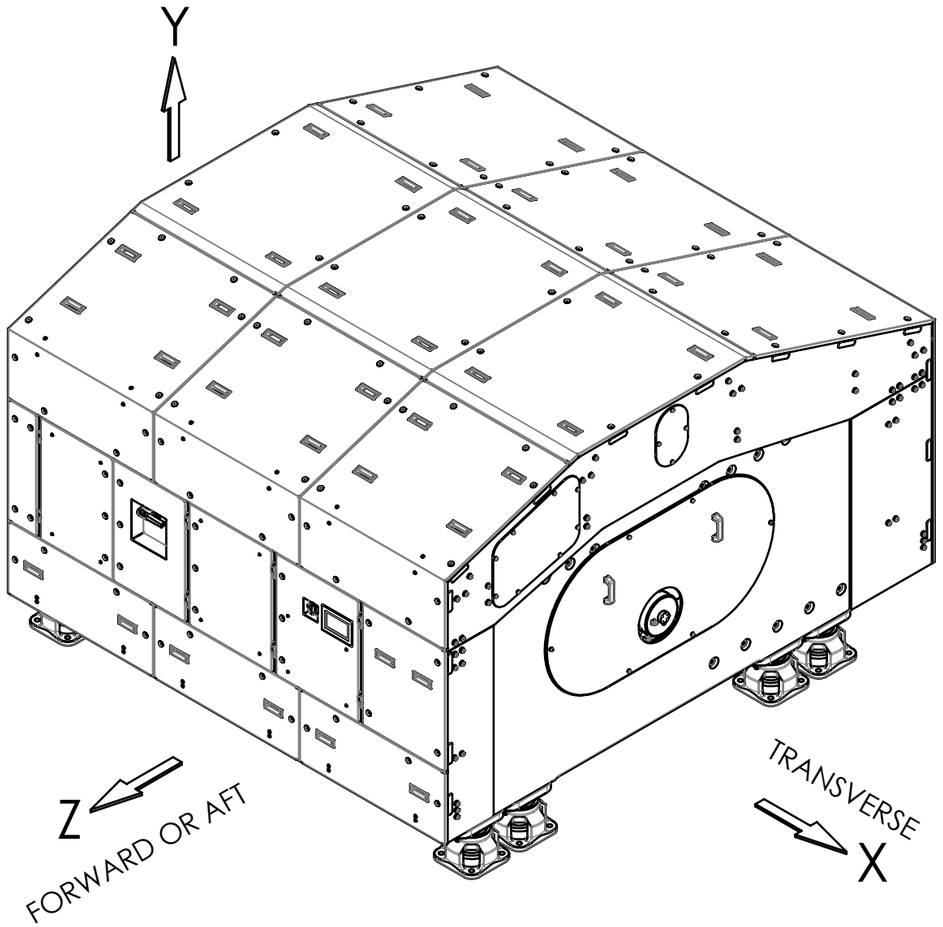
PART/ASSEMBLY No	MASS	TOTAL QTY / GYRO
1000-AT-1000-3	SEE SHEET 2	1

DESCRIPTION: SPACE REQUIREMENTS UNDER STABILISER

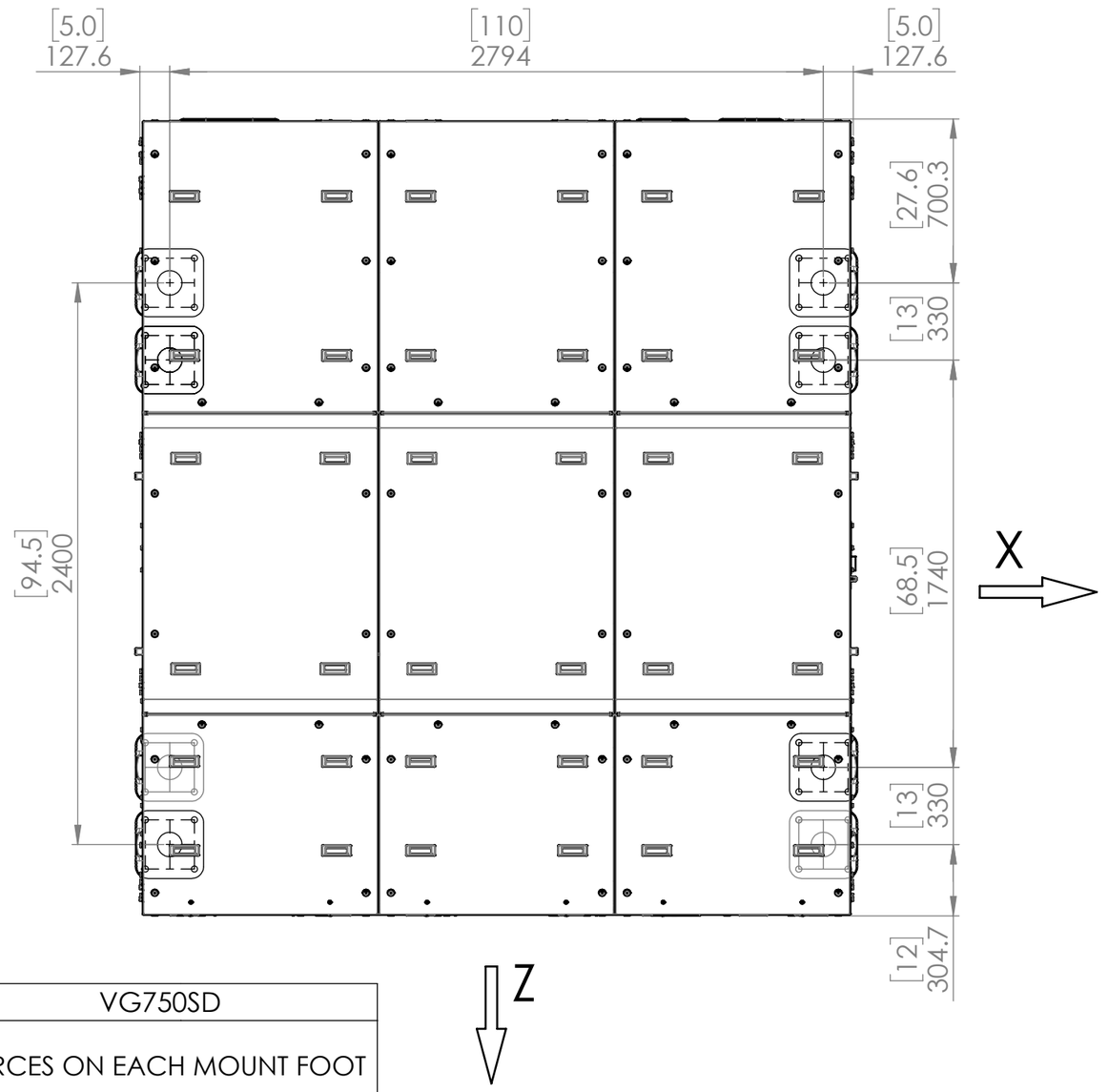
DRG No: 1000-DT-1000.06 REV: 3

MATERIAL: - PROCESS: ASSEMBLY

SHEET: 06 OF 13 SCALE: 1:20 SHEET SIZE: A3



ISOMETRIC VIEW



WARNING !

GYRO-INDUCED LOADS ARE VERY LARGE. FULL STRUCTURAL ANALYSIS IS REQUIRED TO PROVIDE SUFFICIENT SUPPORT.

VG520SD		
FORCES ON EACH MOUNT FOOT		
	MAX	MIN
X	39.16kN	-39.16kN
Y	131.75kN	-174.75kN
Z	47.65kN	-47.65kN

VG750SD		
FORCES ON EACH MOUNT FOOT		
	MAX	MIN
X	39.27kN	-39.27kN
Y	131.75kN	-181.26kN
Z	50.06kN	-50.06kN

NOTES:

- FY (VERTICAL) LOADS SHALL BE CONSIDERED TO FULLY REVERSE AT THE VESSELS NATURAL ROLLING PERIOD.
- FX AND FZ (HORIZONTAL) LOADS SHALL BE CONSIDERED TO FULLY REVERSE AT HALF THE VESSELS NATURAL ROLLING PERIOD.
- EACH LOAD SHALL BE CONSIDERED TO BE INDEPENDENT. ONEROUS LOAD COMBINATIONS SHALL BE CONSIDERED.
- TO BE READ IN CONJUNCTION WITH TECHNICAL NOTE 1404.
- LOADS ARE SAME FOR CW OR CCW ROTATION.
- ONEROUS LOAD COMBINATIONS SHALL BE CONSIDERED.
- ALL DIMENSIONS IN: mm AND DIMENSIONS IN BRACKETS: [Inches]

VEEM MARINE
PROPELLERS AND GYROSTABILIZERS

COPYRIGHT 2021 - ALL RIGHTS RESERVED BY VEEM LTD. THIS DRAWING HAS BEEN PRODUCED BY VEEM LTD. NO PART MAY BE COPIED, MODIFIED OR REPRODUCED IN ANY MANNER WITHOUT PRIOR WRITTEN APPROVAL OF VEEM LTD - www.veem.com.au

VEEM ENGINEERING GROUP
22 BAILE RD
CANNING VALE, WA 6155
TEL: +61 8 9455 9355
FAX: +61 8 9455 9333
email: veem@veem.com.au

DRAFTING TO AS 1100.101 AND 1100.201

TOLERANCES IN ACCORDANCE WITH -

MACHINE SURFACES 3.2 UON

DEBURR ALL SHARP EDGES

PART/ASSEMBLY No	MASS	TOTAL QTY / GYRO
1000-AT-1000-3	SEE SHEET 2	1

DESCRIPTION: FORCES ON MOUNTS

DRG No: 1000-DT-1000.07 REV: 3

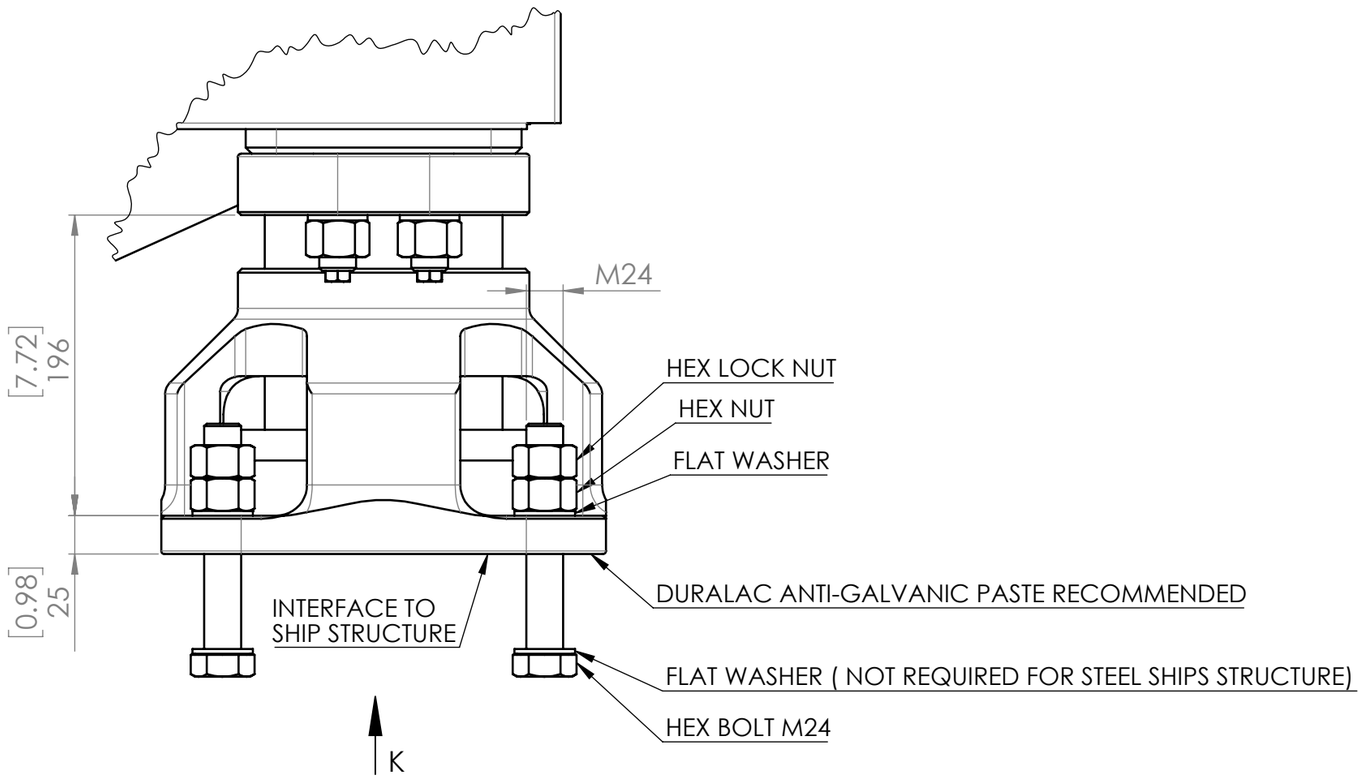
MATERIAL: -

PROCESS: ASSEMBLY

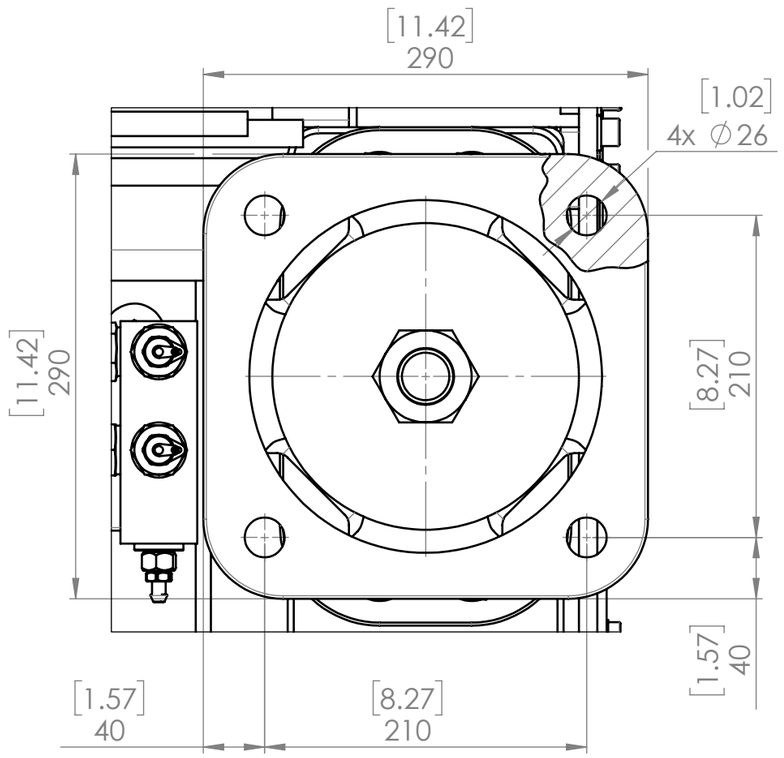
SHEET: 07 OF 13

SCALE: 1:25

SHEET SIZE: A3



VIEW OF VIBRATION MOUNT



VIEW K

NOTES:

- MIN PRE-LOAD 147kN ±10% ON MOUNT BOLTS.
- ENGINEERING OF TIGHTENING METHOD IS THE RESPONSIBILITY OF THE INSTALLER.
- M24 GRADE 8.8, SS A4-80 OR EQUIVALENT RECOMMENDED.
- TRAINED TECHNICIAN WITH MEANS TO MEASURE PRE-LOAD ACHIEVED WITHIN ±10% REQUIRED.
- IF CARBON STEEL FASTENERS USED, PROTECTIVE COATING REQUIRED TO PREVENT CORROSION.
- ALL DIMENSIONS IN: mm AND DIMENSIONS IN BRACKETS: [Inches].

VEEM PROPELLERS AND GYROSTABILIZERS MARINE

COPYRIGHT 2021 - ALL RIGHTS RESERVED BY VEEM LTD. THIS DRAWING HAS BEEN PRODUCED BY VEEM LTD. NO PART MAY BE COPIED, MODIFIED OR REPRODUCED IN ANY MANNER WITHOUT PRIOR WRITTEN APPROVAL OF VEEM LTD - www.veem.com.au

VEEM ENGINEERING GROUP
22 BAILE RD
CANNING VALE, WA 6155
TEL: +61 8 9455 9355
FAX: +61 8 9455 9333
email: veem@veem.com.au

DRAFTING TO AS 1100.101 AND 1100.201

TOLERANCES IN ACCORDANCE WITH -

MACHINE SURFACES 3.2 UON

DEBURR ALL SHARP EDGES

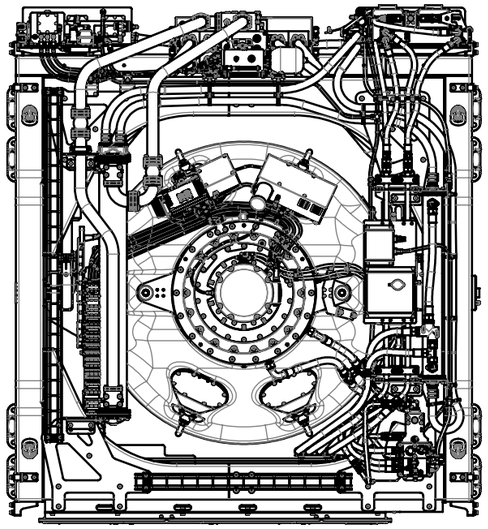
PART/ASSEMBLY No	MASS	TOTAL QTY / GYRO
1000-AT-1000-3	SEE SHEET 2	1

DESCRIPTION: MOUNTING INTERFACE

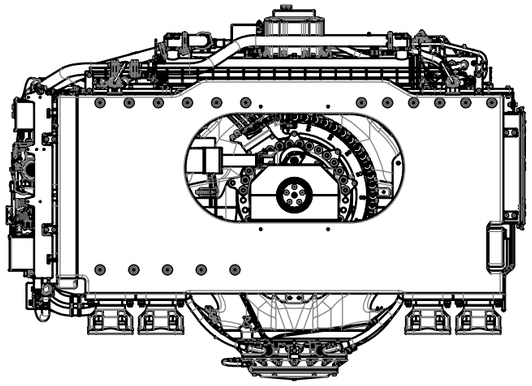
DRG No: 1000-DT-1000.08 | REV: 3

MATERIAL: - | PROCESS: ASSEMBLY

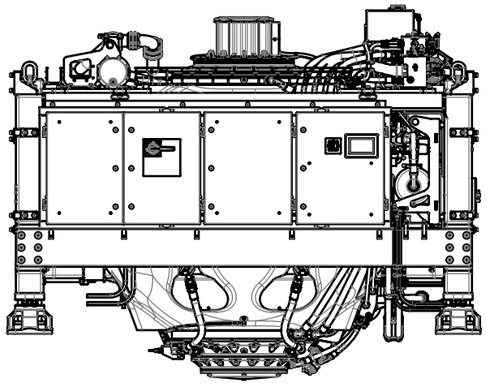
SHEET: 08 OF 13 | SCALE: 1:4 | SHEET SIZE: A3



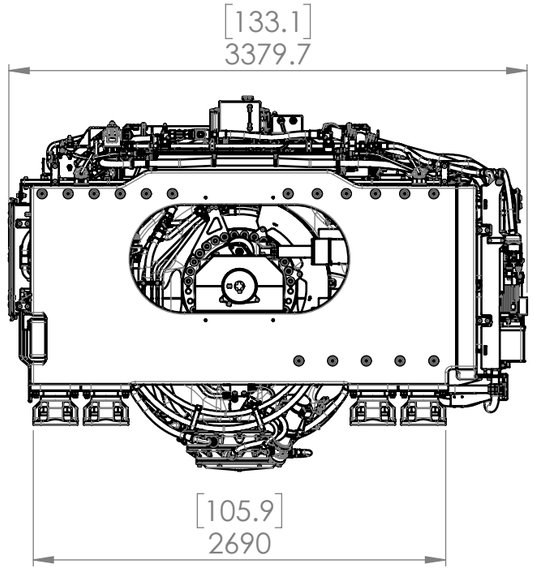
TOP VIEW



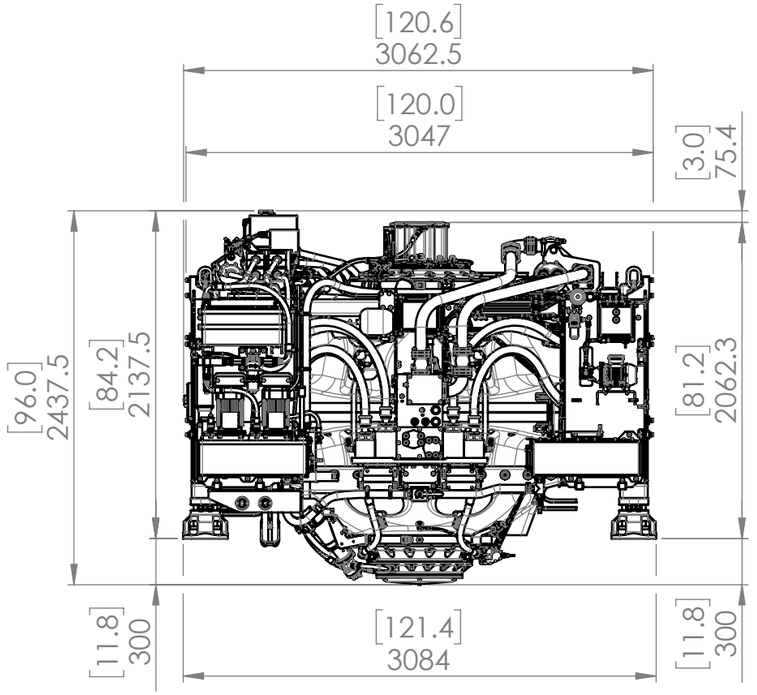
LEFT PANEL VIEW



FRONT PANEL VIEW



RIGHT PANEL VIEW



REAR PANEL VIEW

ELEVATIONS WITH ENCLOSURE REMOVED

NOTES:

- ALL DIMENSIONS IN: mm AND DIMENSIONS IN BRACKETS: [Inches].
- ENCLOSURE PANELS REQUIRED TO PROTECT PERSONNEL FROM INJURY.
- SEE OPERATING MANUAL FOR NOTES ON REMOVING ENCLOSURE PANELS AT OWNERS RISK.

VEEM MARINE
PROPELLERS AND GYROSTABILIZERS

COPYRIGHT 2021 - ALL RIGHTS RESERVED BY VEEM LTD. THIS DRAWING HAS BEEN PRODUCED BY VEEM LTD. NO PART MAY BE COPIED, MODIFIED OR REPRODUCED IN ANY MANNER WITHOUT PRIOR WRITTEN APPROVAL OF VEEM LTD - www.veem.com.au

VEEM ENGINEERING GROUP
22 BAILE RD
CANNING VALE, WA 6155
TEL: +61 8 9455 9355
FAX: +61 8 9455 9333
email: veem@veem.com.au

DRAFTING TO AS 1100.101 AND 1100.201

TOLERANCES IN ACCORDANCE WITH -

MACHINE SURFACES 3.2 UON
DEBURR ALL SHARP EDGES

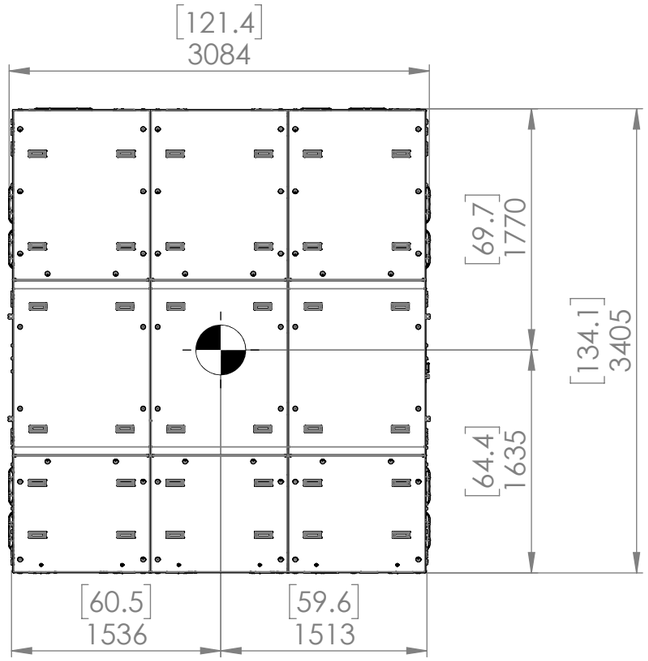
PART/ASSEMBLY No	MASS	TOTAL QTY / GYRO
1000-AT-1000-3	SEE SHEET 2	1

DESCRIPTION: ELEVATIONS WITHOUT ENCLOSURE

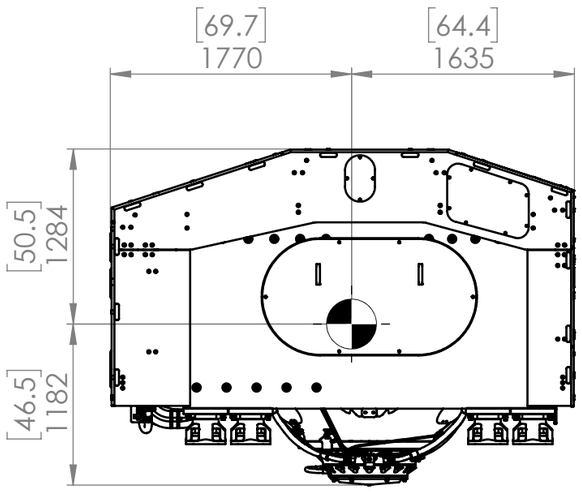
DRG No: 1000-DT-1000.09 | REV: 3

MATERIAL: - | PROCESS: ASSEMBLY

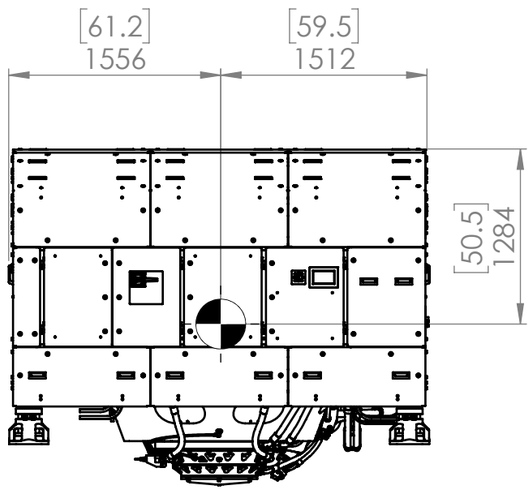
SHEET: 09 OF 13 | SCALE: 1:40 | SHEET SIZE: A3



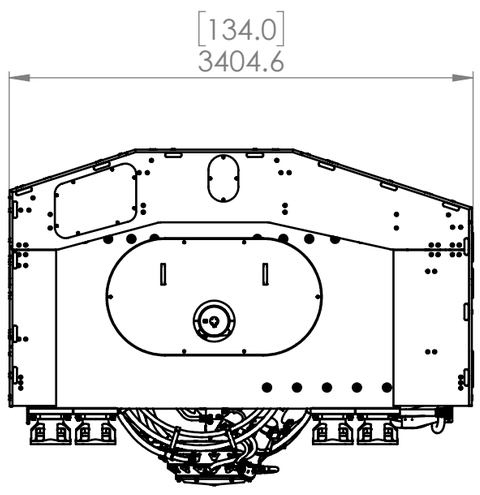
TOP VIEW



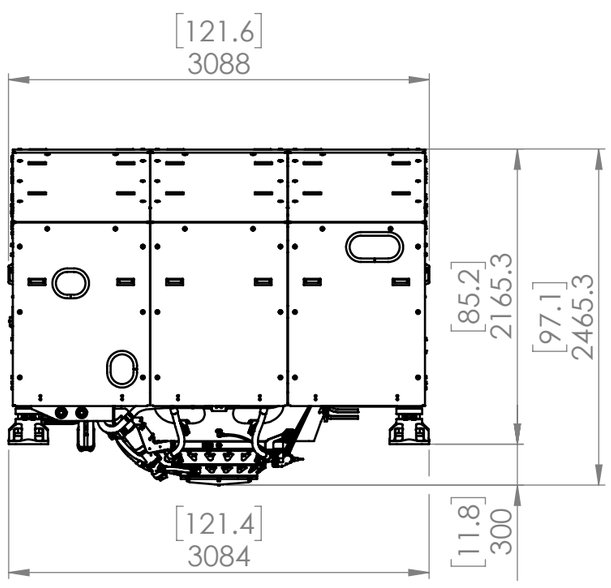
LEFT PANEL VIEW



FRONT PANEL VIEW



RIGHT PANEL VIEW



REAR PANEL VIEW

ELEVATIONS WITH ENCLOSURE INSTALLED

NOTE:

- -⊕- LOCATION CENTRE OF GRAVITY
- ALL DIMENSIONS IN: mm AND DIMENSIONS IN BRACKETS: [Inches]

COPYRIGHT 2021 - ALL RIGHTS RESERVED BY VEEM LTD. THIS DRAWING HAS BEEN PRODUCED BY VEEM LTD. NO PART MAY BE COPIED, MODIFIED OR REPRODUCED IN ANY MANNER WITHOUT PRIOR WRITTEN APPROVAL OF VEEM LTD - www.veem.com.au

VEEM ENGINEERING GROUP
22 BAILE RD
CANNING VALE, WA 6155
TEL: +61 8 9455 9355
FAX: +61 8 9455 9333
email: veem@veem.com.au

DRAFTING TO AS 1100.101 AND 1100.201

TOLERANCES IN ACCORDANCE WITH -

MACHINE SURFACES 3.2 UON

DEBURR ALL SHARP EDGES

PART/ASSEMBLY No	MASS	TOTAL QTY / GYRO
1000-AT-1000-3	SEE SHEET 2	1

DESCRIPTION: ELEVATION WITH ENCLOSURE

DRG No: 1000-DT-1000.10 | REV: 3

MATERIAL: - | PROCESS: ASSEMBLY

SHEET: 10 OF 13 | SCALE: 1:45 | SHEET SIZE: A3

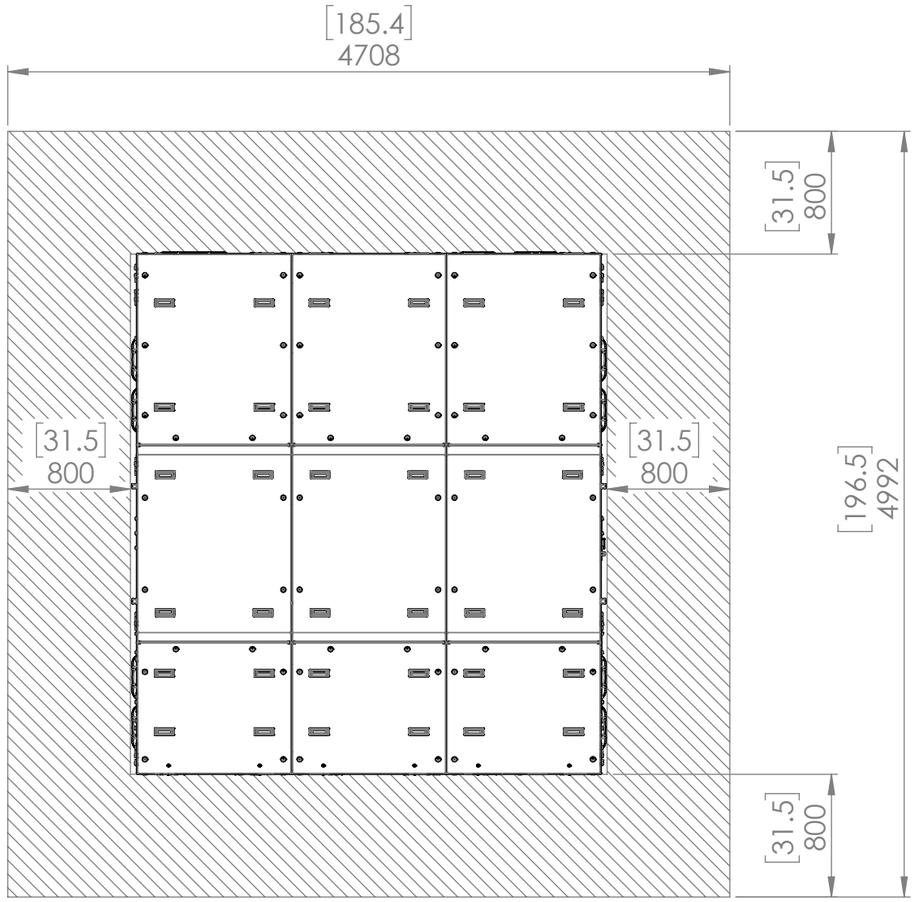
NOTES:

- ACCESS TO NUTS UNDER VIBRATION MOUNTS IS REQUIRED EXCEPT WHERE BONDED SADDLE IS USED, REFER TO SHEETS 6 & 8
- ALL DIMENSIONS IN: mm AND DIMENSIONS IN BRACKETS: [Inches]

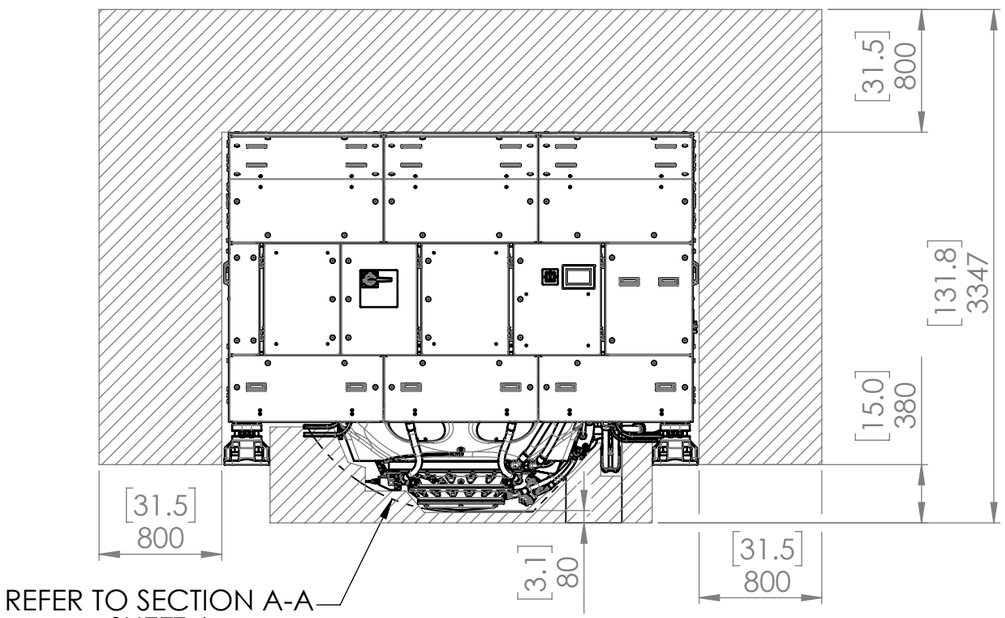
IMPORTANT:

IF THE MINIMUM MAINTENANCE ENVELOPE
IS NOT PROVIDED, SOME MAINTENANCE AND OVER-HAUL ACTIVITIES
MAY NOT BE POSSIBLE TO COMPLETE WITHOUT REMOVING
THE GYRO FROM THE VESSEL.

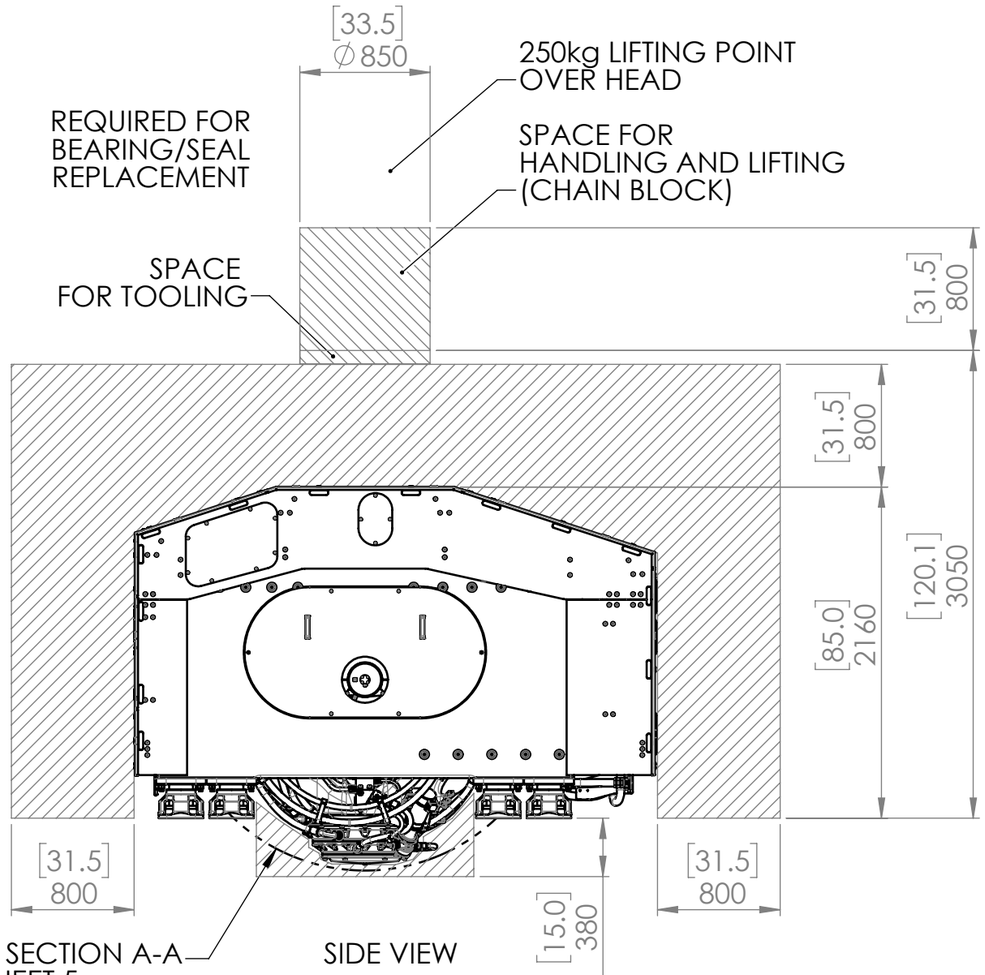
REFER TO THE WARRANTY STATEMENT



TOP VIEW



FRONT PANEL VIEW



SIDE VIEW

PART/ASSEMBLY No	MASS	TOTAL QTY / GYRO
1000-AT-1000-3	SEE SHEET 2	1

VEEM MARINE
PROPELLERS AND GYROSTABILIZERS

COPYRIGHT 2021 - ALL RIGHTS RESERVED BY VEEM LTD. THIS DRAWING HAS BEEN PRODUCED BY VEEM LTD. NO PART MAY BE COPIED, MODIFIED OR REPRODUCED IN ANY MANNER WITHOUT PRIOR WRITTEN APPROVAL OF VEEM LTD - www.veem.com.au

VEEM ENGINEERING GROUP
22 BAILE RD
CANNING VALE, WA 6155
TEL: +61 8 9455 9355
FAX: +61 8 9455 9333
email: veem@veem.com.au

DRAFTING TO
AS 1100.101 AND 1100.201

TOLERANCES
IN ACCORDANCE WITH
-

MACHINE SURFACES
3.2 UON
DEBURR ALL SHARP EDGES

DESCRIPTION
MINIMUM SERVICE ACCESS SPACE

DRG No
1000-DT-1000.11

REV
3

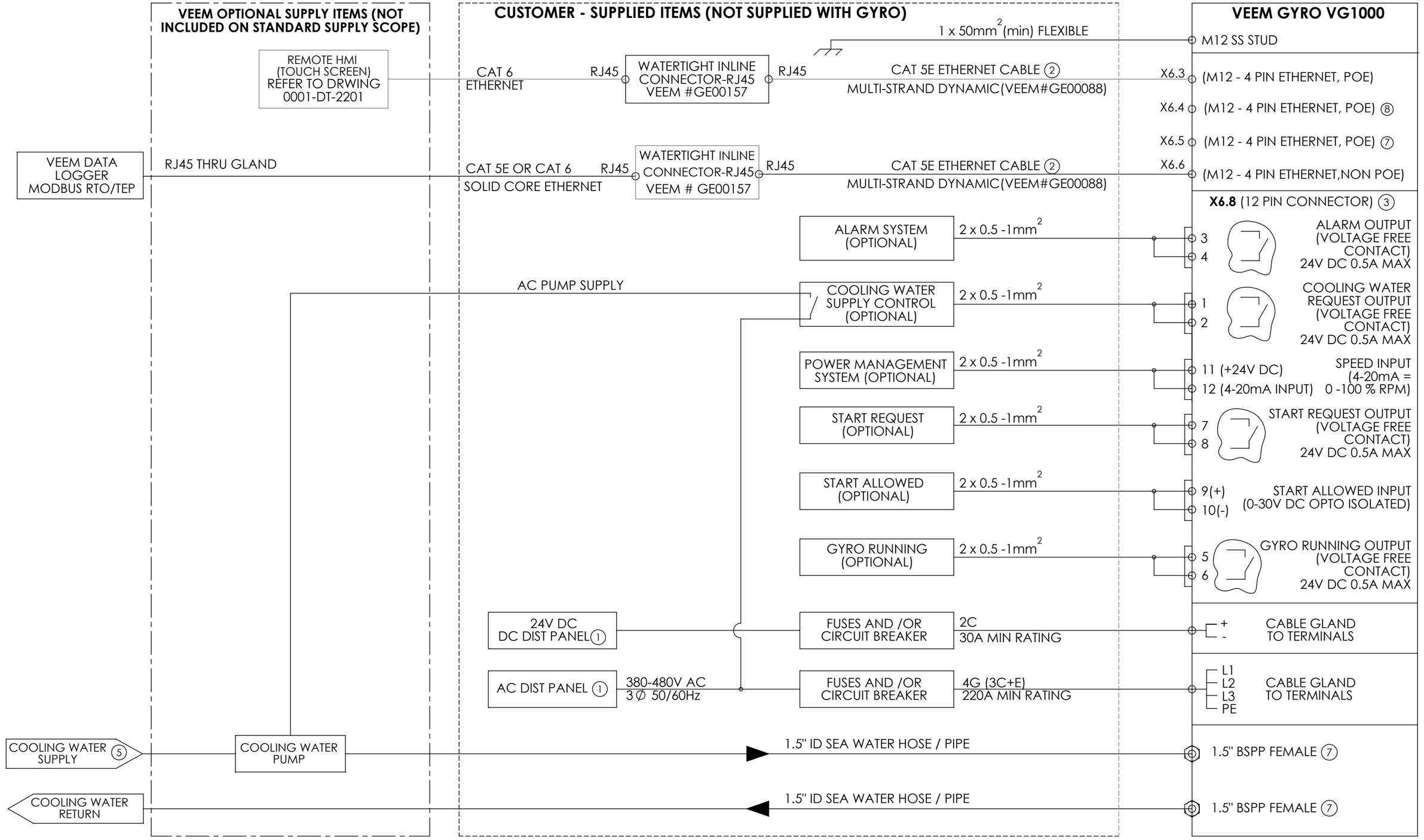
MATERIAL
-

PROCESS
ASSEMBLY

SHEET
11 OF 13

SCALE
1:40

SHEET SIZE
A3



THREE PHASE SUPPLY

(1) CABLES AND CONNECTIONS TO BE SUPPLIED BY THE CUSTOMER UNLESS NOTED OTHERWISE
(2) SUPPLIED BY VEEM AS OPTION IN 5m, 10m or 20m LENGTH - FITTED WITH GYRO CONNECTORS AT ONE END, RJ45 AT OTHER END
(3) MATING CONNECTOR SUPPLIED BY VEEM (DEUTSCH DT06-12)
(4) REMOTE ACCESS REQUIRED FOR DIAGNOSTIC REPORTING & SUPPORT(REFER WARRANTY STATEMENT)
(5) FILTRATION. REFER TO VG1000SD INSTALLATION MANUAL
(6) 24 V DC SUPPLY TO BE UNINTERRUPTED FOR 60mins IN CASE OF LOSS OF MAIN POWER
(7) REFER TO INSTALLATION DRAWING (1000-DT-1000)

VEEM MARINE
PROPELLERS AND GYROSTABILIZERS

COPYRIGHT 2021 - ALL RIGHTS RESERVED BY VEEM LTD. THIS DRAWING HAS BEEN PRODUCED BY VEEM LTD. NO PART MAY BE COPIED, MODIFIED OR REPRODUCED IN ANY MANNER WITHOUT PRIOR WRITTEN APPROVAL OF VEEM LTD - www.veem.com.au

VEEM ENGINEERING GROUP
22 BAILE RD
CANNING VALE, WA 6155
TEL: +61 8 9455 9355
FAX: +61 8 9455 9333
email: veem@veem.com.au

DRAFTING TO AS 1100.101 AND 1100.201
TOLERANCES IN ACCORDANCE WITH -
MACHINE SURFACES 3.2 UON
DEBURR ALL SHARP EDGES

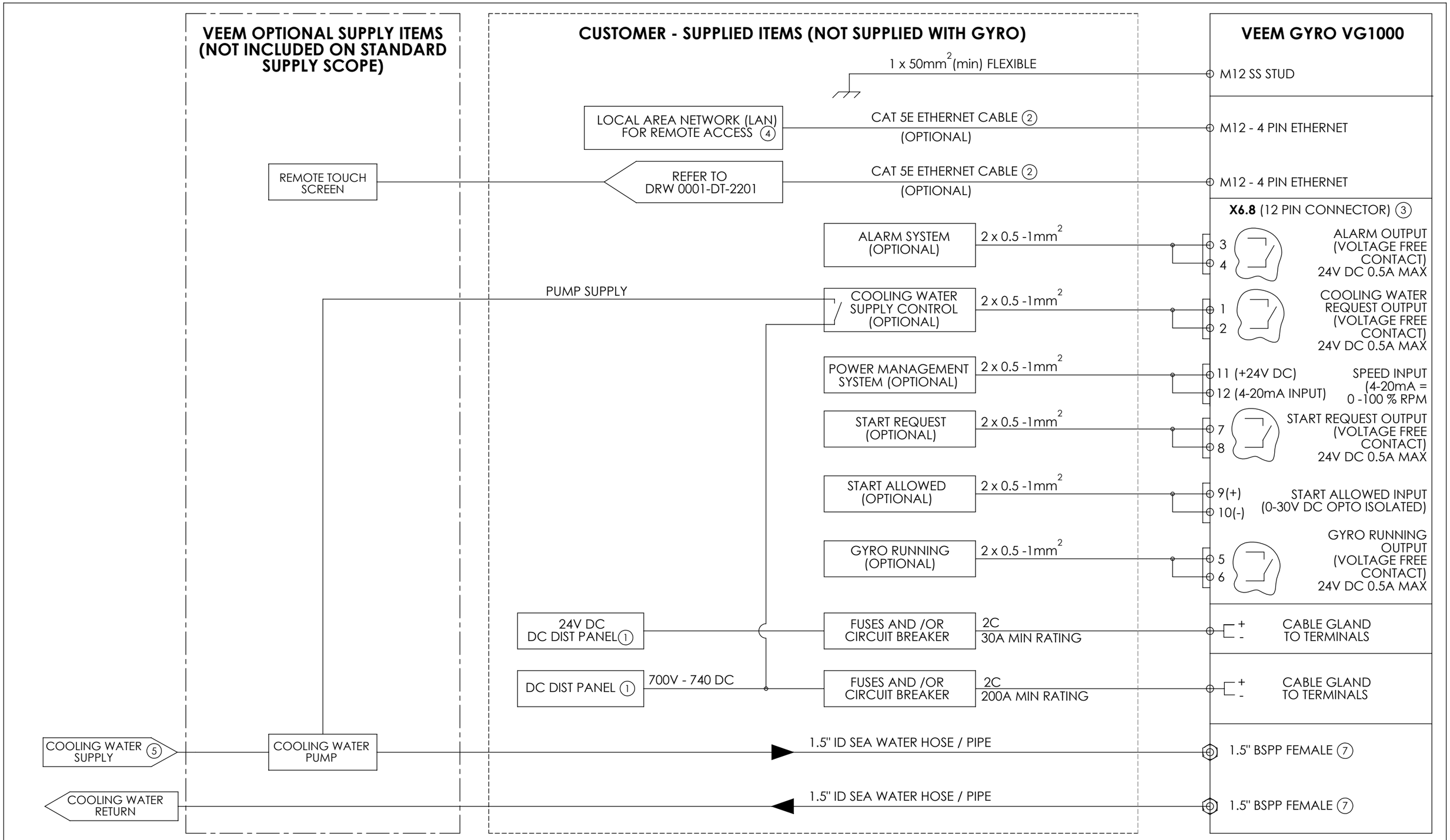
PART/ASSEMBLY No	MASS	TOTAL QTY / GYRO
1000-AT-100-3	SEE SHEET 2	1

DESCRIPTION: INTERFACE DIAGRAM (SCOPE OF SUPPLY)

DRG No	REV
1000-DT-1000.12	3

MATERIAL	PROCESS
-	ASSEMBLY

SHEET	SCALE	SHEET SIZE
12 OF 13	1:10	A3



(1) CABLES AND CONNECTIONS TO BE SUPPLIED BY THE CUSTOMER UNLESS NOTED OTHERWISE
(2) SUPPLIED BY VEEM IN 5m, 10m or 20m LENGTH - FITTED WITH GYRO CONNECTORS AT ONE END, RJ45 AT OTHER END
(3) MATING CONNECTOR SUPPLIED BY VEEM (DEUTSCH DT06-12)
(4) REMOTE ACCESS REQUIRED FOR DIAGNOSTIC REPORTING & SUPPORT
(5) RAW SEAWATER TO BE FILTERED
(6) 24 V DC SUPPLY TO BE UNINTERRUPTED FOR 60mins IN CASE OF LOSS OF MAIN POWER
(7) REFER TO INSTALLATION DRAWING (1000-DT-1000)

DC SUPPLY

VEEM MARINE
PROPELLERS AND GYROSTABILIZERS

COPYRIGHT 2021 - ALL RIGHTS RESERVED BY VEEM LTD. THIS DRAWING HAS BEEN PRODUCED BY VEEM LTD. NO PART MAY BE COPIED, MODIFIED OR REPRODUCED IN ANY MANNER WITHOUT PRIOR WRITTEN APPROVAL OF VEEM LTD - www.veem.com.au

VEEM ENGINEERING GROUP
22 BAILE RD
CANNING VALE, WA 6155
TEL: +61 8 9455 9355
FAX: +61 8 9455 9333
email: veem@veem.com.au

DRAFTING TO AS 1100.101 AND 1100.201
TOLERANCES IN ACCORDANCE WITH -
MACHINE SURFACES 3.2 UON
DEBURR ALL SHARP EDGES

PART/ASSEMBLY No	MASS	TOTAL QTY / GYRO
1000-AT-1000-3	SEE SHEET 2	1

DESCRIPTION: INTERFACE DIAGRAM (SCOPE OF SUPPLY)
DRG No: 1000-DT-1000.13
REV: 3
MATERIAL: -
PROCESS: ASSEMBLY
SHEET: 13 OF 13
SCALE: 1:10
SHEET SIZE: A3