NOTE:

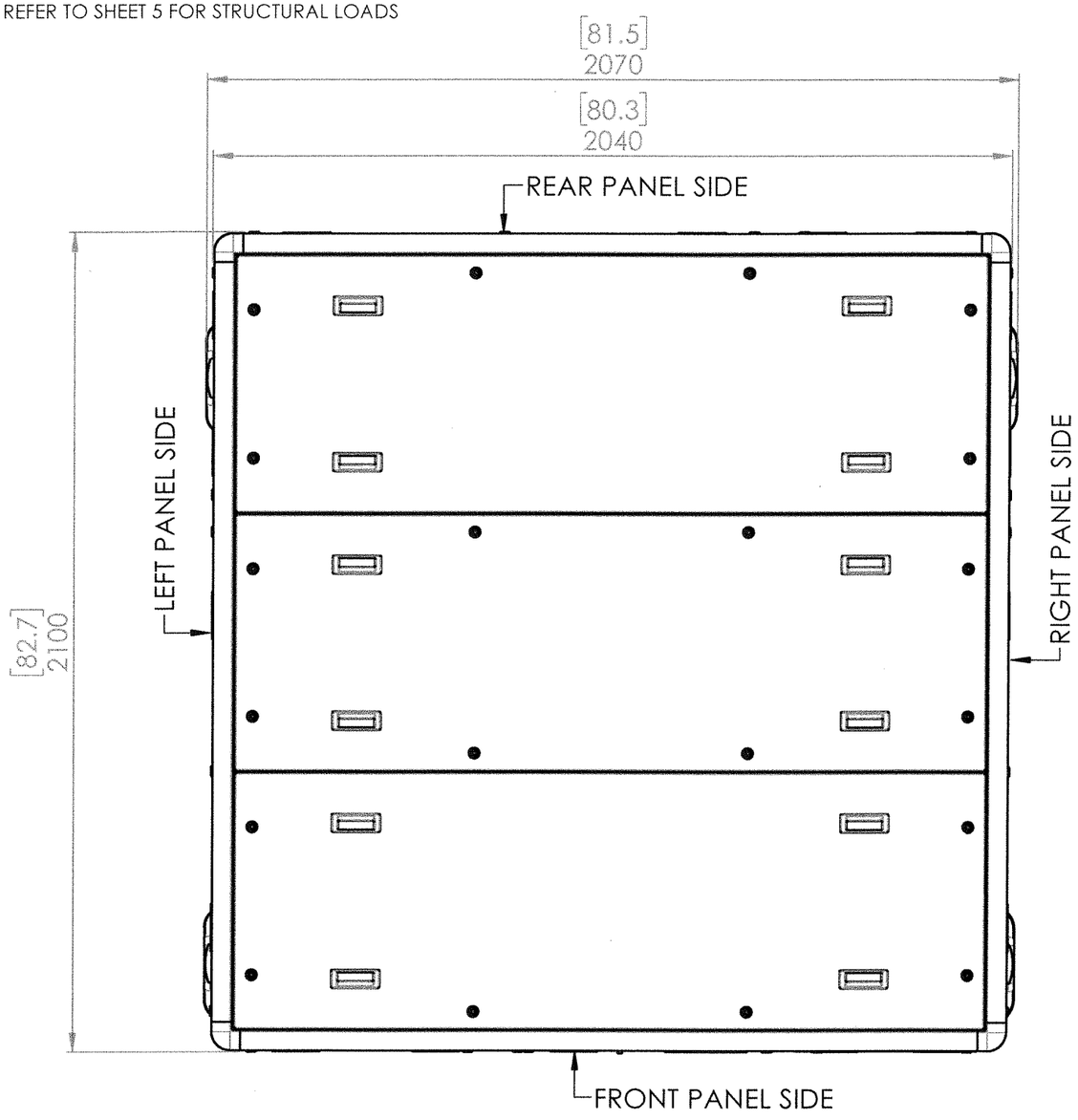
CONTACT VEEM IF GYRO UNIT INTENDED TO BE LOCATED MORE THAN 2m ABOVE DWL OR MORE THEN 70% OF LWL FORWARD OF TRANSOM.

GYRO UNIT MAY BE INSTALLED WITH FRONT PANEL FACING FORWARD OR AFT. FRONT PANEL MUST NOT BE ALIGNED ATHWARTSHIPS.

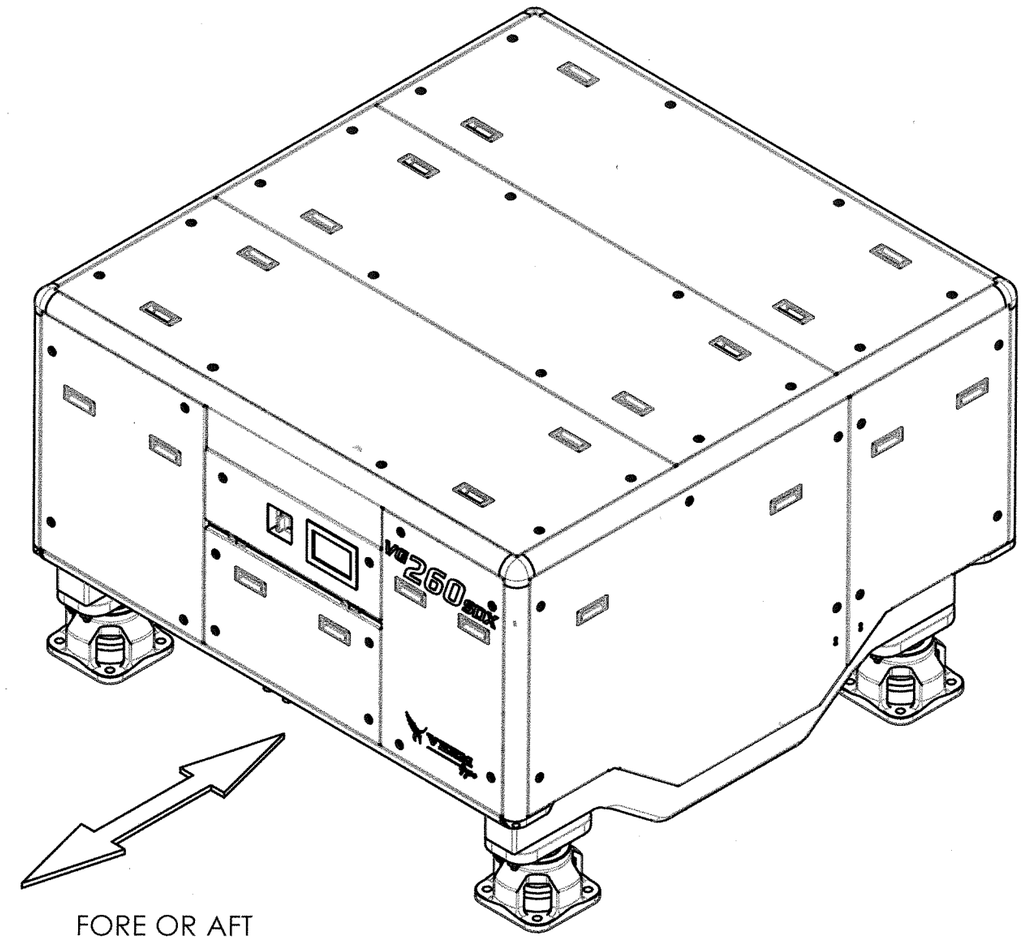
REFER TO SHEET 5 FOR STRUCTURAL LOADS

WARNING !

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



TOP VIEW



ISOMETRIC VIEW

ALL DIMENSIONS IN: mm
DIMENSIONS IN BRACKETS: [Inches]

REV.	DESCRIPTION	DRN	INITL	DATE	ENG CHK	INITL	DATE	MAN APP	INITL	DATE	CAST APP	INITL	DATE	MACH APP	INITL	DATE
0	UPDATED MODEL	AS	AS	09/10/19	MA	[illegible]	10/10/19	PS	[illegible]	10/10/19	-			-		

REVISIONS

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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 -

VEEM GYRO 260 SDX

MASS 6570kg

TOTAL QTY / GYRO 1

DESCRIPTION INSTALLATION DRAWING

DRG No 0261-DT-1000.01

REV 0

MATERIAL -

PROCESS -

SHEET 01 OF 7

SCALE 1:15

SHEET SIZE A3

NOTE:

CONTACT VEEM IF GYRO UNIT INTENDED TO BE LOCATED MORE THAN 2m ABOVE DWL
OR MORE THEN 70% OF LWL FORWARD OF TRANSOM.

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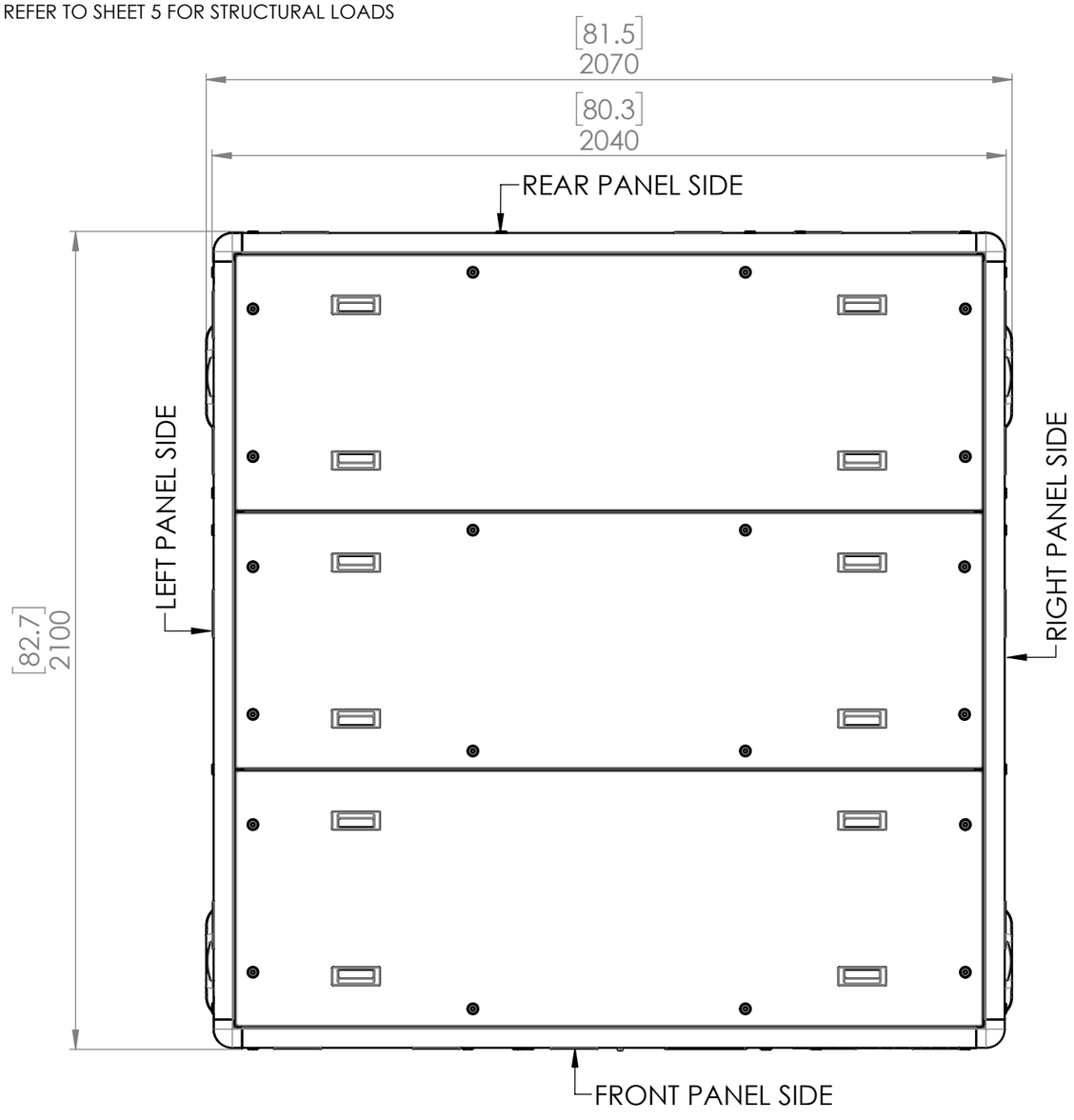
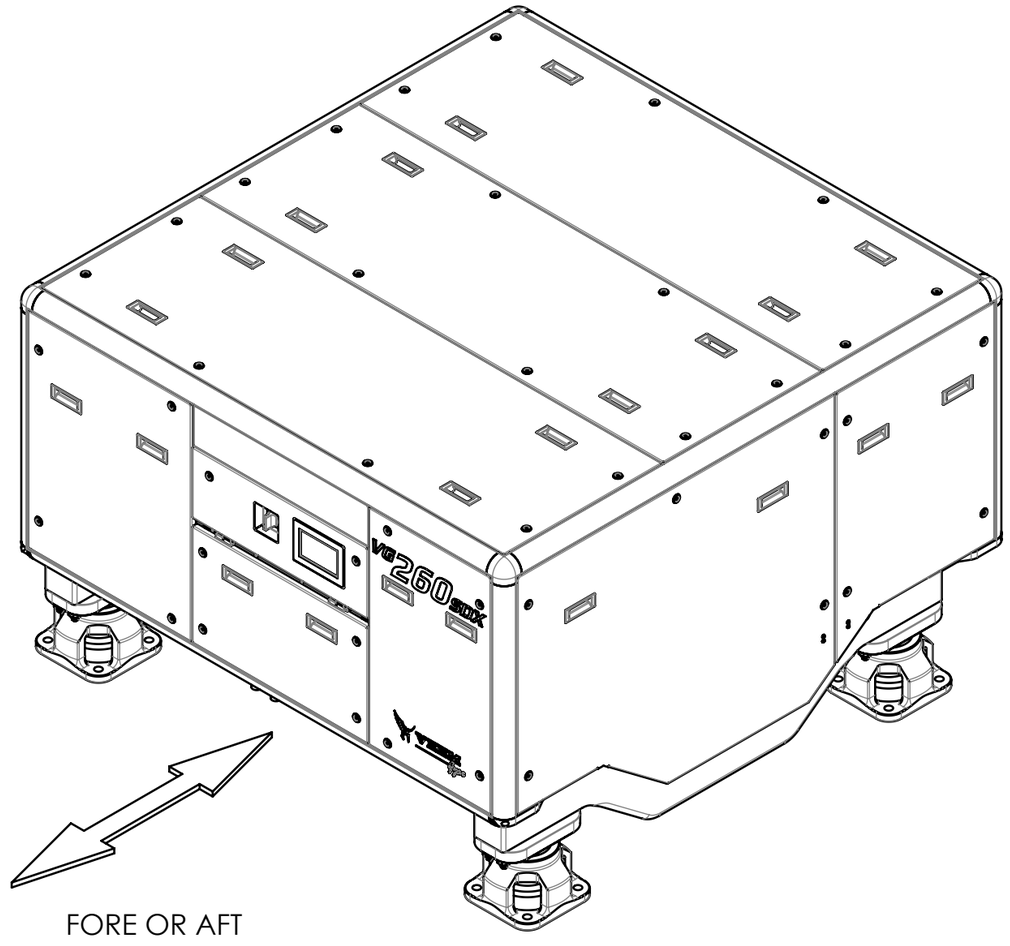


TOP VIEW



ISOMETRIC VIEW

ALL DIMENSIONS IN: mm
DIMENSIONS IN BRACKETS: [Inches]

REV.	DESCRIPTION	DRN	INITL	DATE	ENG CHK	INITL	DATE	MAN APP	INITL	DATE	CAST APP	INITL	DATE	MACH APP	INITL	DATE
0	UPDATED MODEL	AS			MA			PS			-			-		

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email: veem@veem.com.au

DRAFTING TO AS 1100.101 AND 1100.201

TOLERANCES IN ACCORDANCE WITH -

VEEM GYRO 260 SDX

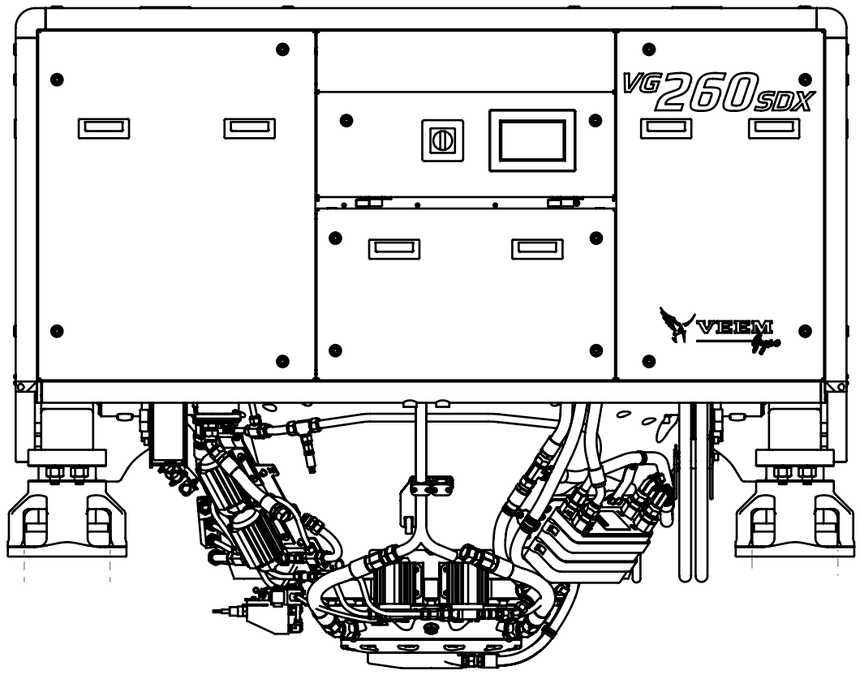
MASS		TOTAL QTY / GYRO
6570kg		1

DESCRIPTION: INSTALLATION DRAWING

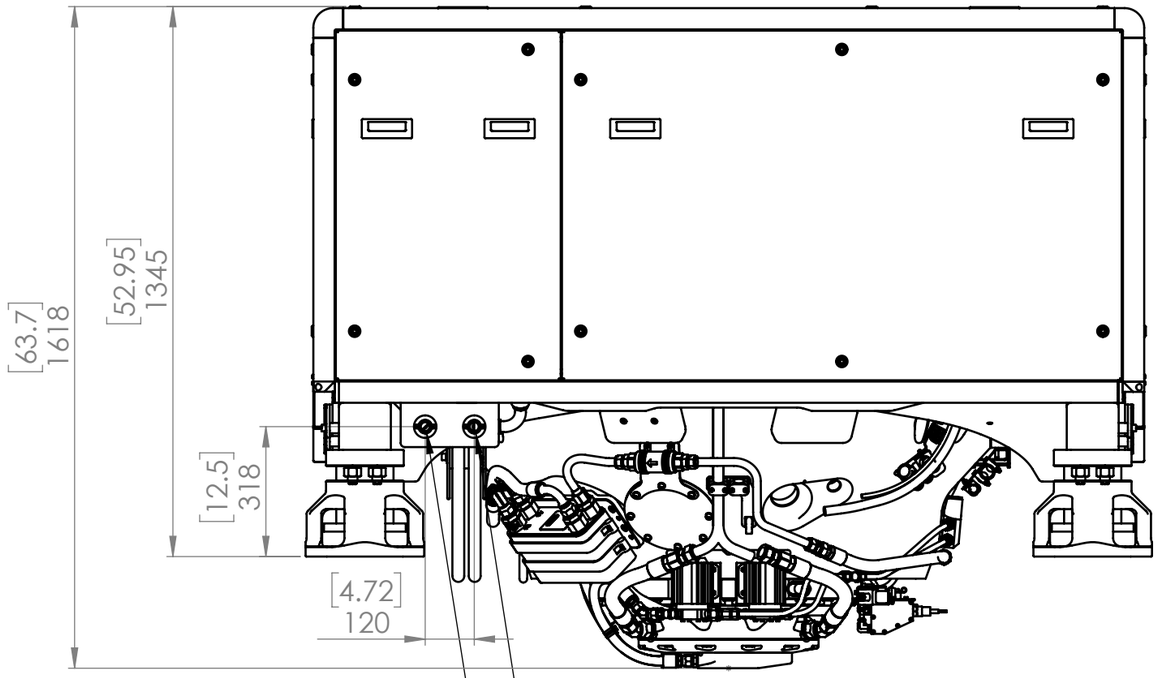
DRG No: 0261-DT-1000.01 REV: 0

MATERIAL: - PROCESS: -

SHEET: 01 OF 7 SCALE: 1:15 SHEET SIZE: A3



FRONT PANEL VIEW



REAR PANEL VIEW

POWER SUPPLY REQUIRED 35ekW			
THREE PHASE SUPPLY (3Ø) 380/480V 50/60Hz			
VOLTAGE:	380V	415V	480V
CURRENT:	63Arms	57Arms	50Arms
DC SUPPLY: 24V, 32A (MAX 33Ah UNINTERRUPTED SUPPLY OF 24V DC REQUIRED IN THE EVENT OF LOSS OF AC POWER)			
ELECTRICAL & DATA CABLES TERMINATED THROUGH GLANDS IN CABINET SEE DRAWING 0260-DT-1002			

NOTE:

COOLING WATER TO BE FRESH WATER WITH CORROSION INHIBITORS, OR RAW SEAWATER. #16-20 MESH FILTER RECOMMENDED FOR RAW SEAWATER.

HEAT REJECTION TO AMBIENT
IS 2000W IN 20°C COMPARTMENT.
AIR HANDLING MAY BE REQUIRED

COOLING WATER TEMP [°C]	REQUIRED FLOW [L/min]	COOLING WATER EXIT TEMP [°C]
35	120 *	47
30	100	44
25	80	43
20	70	40
* PRESSURE DROP OF 1.5bar @ 120L/min		
COOLING WATER HEAT LOAD 86kW MAXIMUM. MINIMUM TEMPERATURE 12°C. MINIMUM FLOW RATE 10L/min.		
DATA FOR MAX LOADING CONDITIONS AND AT 55°C AIR		

ALL DIMENSIONS IN: mm
DIMENSIONS IN BRACKETS: [Inches]

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VEEM ENGINEERING GROUP
22 BAILE RD
CANNING VALE, WA 6155
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FAX: +61 8 9455 9333
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DRAFTING TO AS 1100.101 AND 1100.201

TOLERANCES IN ACCORDANCE WITH -

VEEM GYRO 260 SDX

MASS 6570kg | TOTAL QTY / GYRO 1

DESCRIPTION: EXTERNAL CONNECTIONS

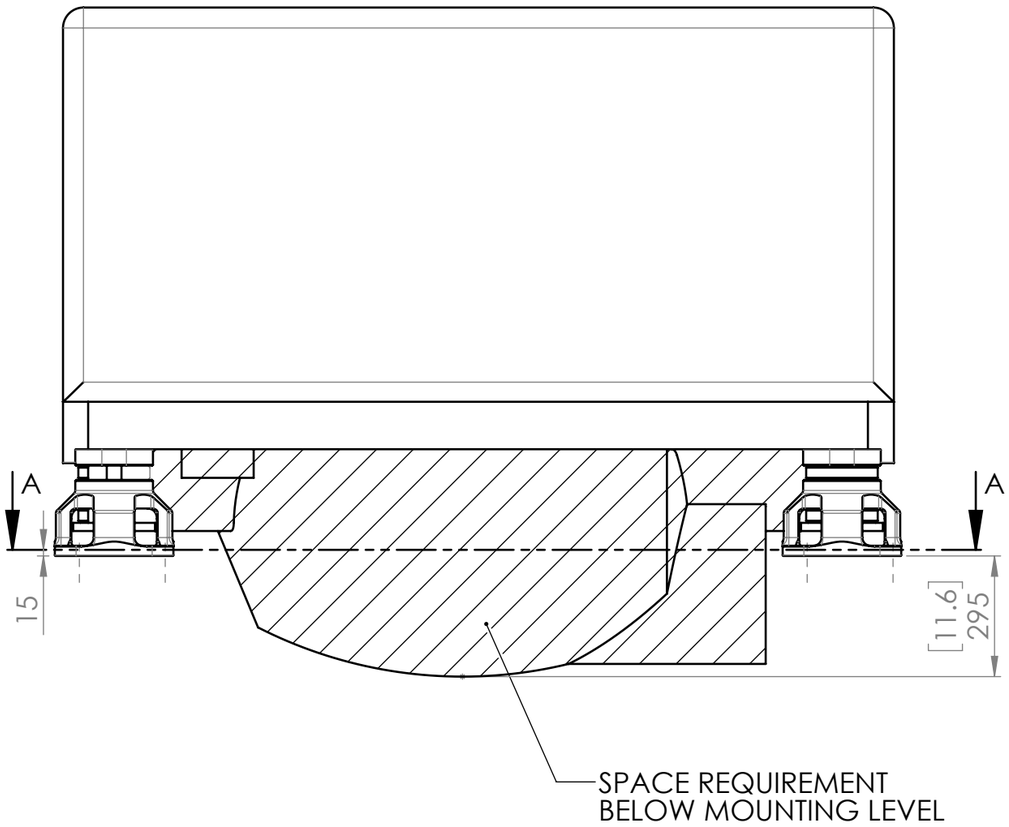
DRG No 0261-DT-1000.02 | REV 0

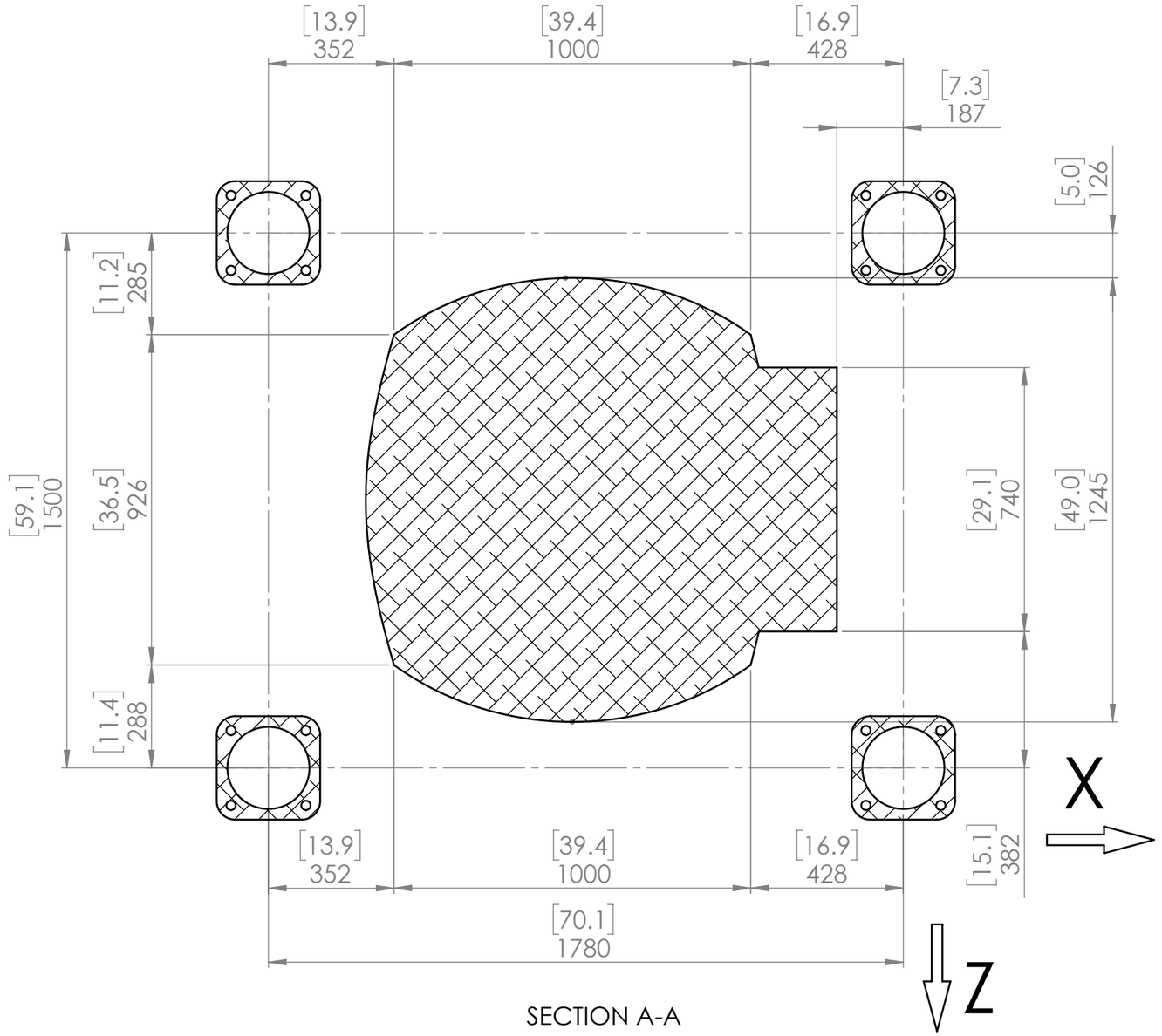
MATERIAL - | PROCESS -

SHEET 02 OF 7 | SCALE 1:15 | SHEET SIZE A3

NOTE:

THIS MODEL REPRESENTS THE ACTUAL SIZE ENVELOPE OF THE GYRO STABILISER
A MINIMUM CLEARANCE OF 40mm ON THE HATCHED AREA IS REQUIRED FOR SAFE OPERATION.
MOUNTING SURFACES AT FOUR LOCATIONS TO BE LEVEL WITHIN 1mm ACROSS EACH MOUNT AND
WITHIN 4mm ACROSS THE WHOLE FOOTPRINT.





SECTION A-A

ALL DIMENSIONS IN: mm
DIMENSIONS IN BRACKETS: [Inches]

VEEM GYRO 260 SDX

MASS		TOTAL QTY / GYRO
6570kg		1

DRAFTING TO AS 1100.101 AND 1100.201

TOLERANCES IN ACCORDANCE WITH -

DESCRIPTION: SPACE REQUIREMENTS UNDER STABILISER

DRG No: 0261-DT-1000.03 | REV: 0

MATERIAL: | PROCESS: -

SHEET: 03 OF 7 | SCALE: 1:10 | SHEET SIZE: A3

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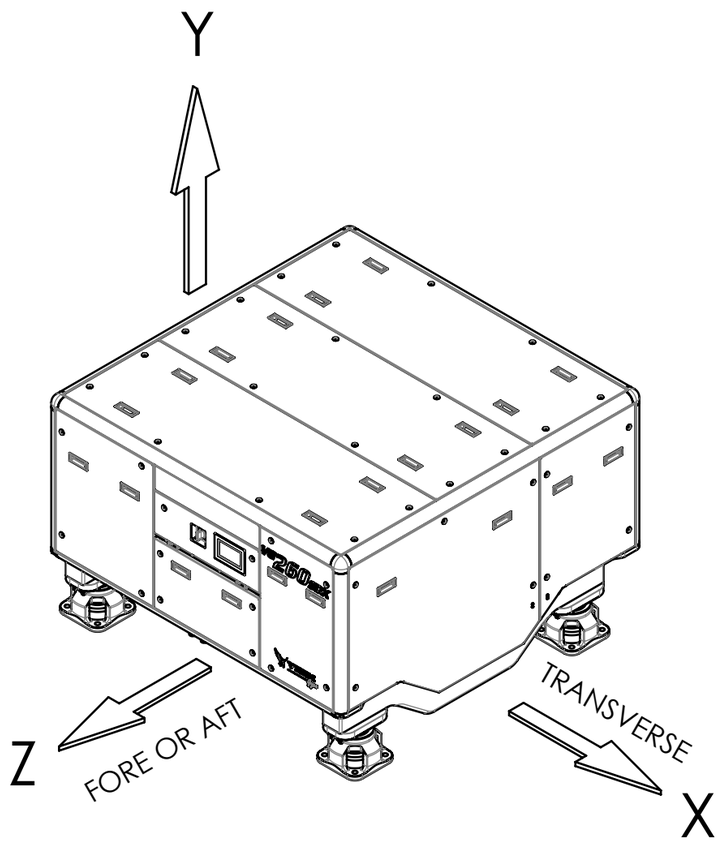
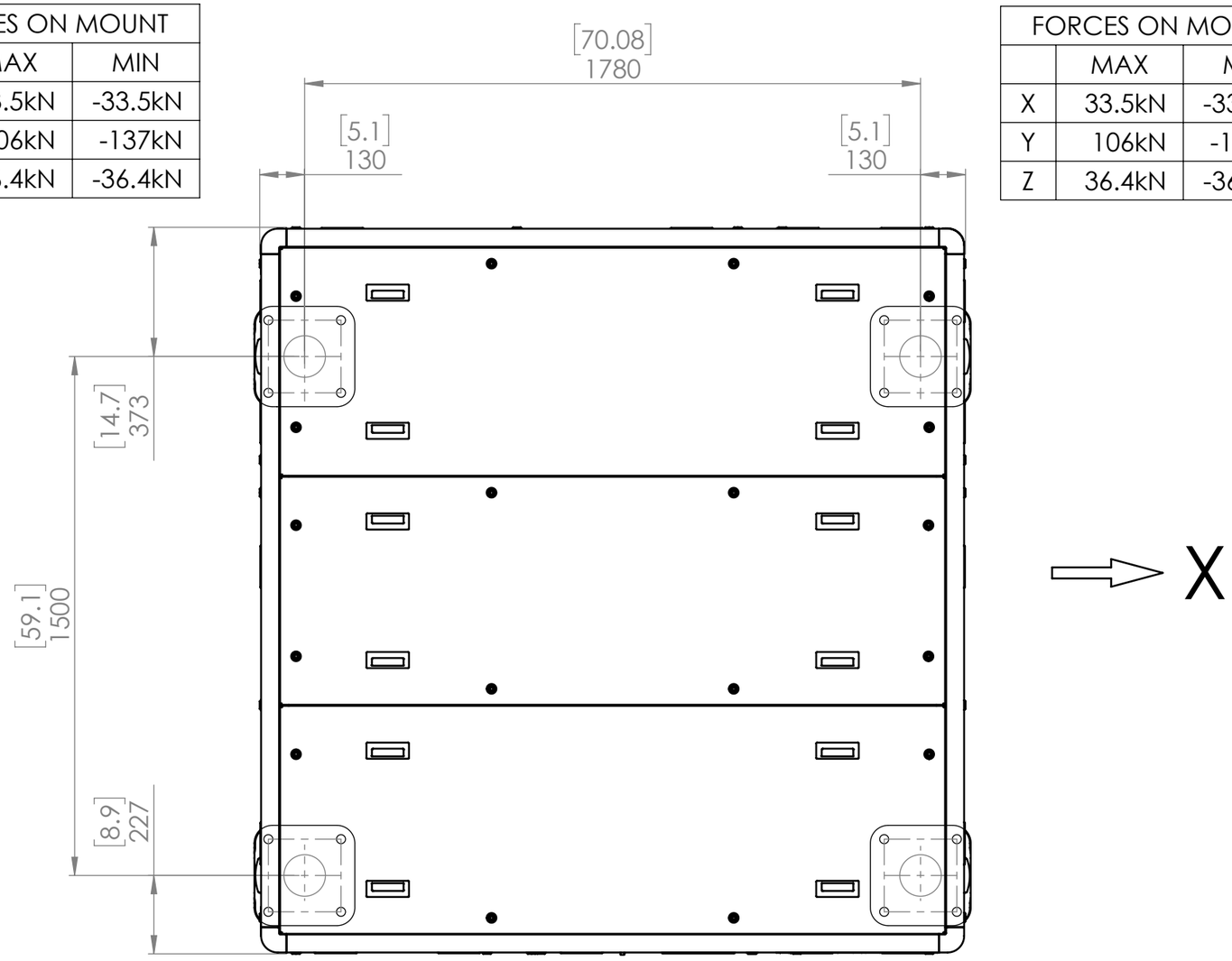
ALL DIMENSIONS IN: mm
DIMENSIONS IN BRACKETS: [Inches]

FORCES ON MOUNT		
	MAX	MIN
X	33.5kN	-33.5kN
Y	106kN	-137kN
Z	36.4kN	-36.4kN



ISOMETRIC VIEW



FORCES ON MOUNT		
	MAX	MIN
X	33.5kN	-33.5kN
Y	106kN	-137kN
Z	36.4kN	-36.4kN

FORCES ON MOUNT		
	MAX	MIN
X	33.5kN	-33.5kN
Y	106kN	-137kN
Z	36.4kN	-36.4kN

FORCES ON MOUNT		
	MAX	MIN
X	33.5kN	-33.5kN
Y	106kN	-137kN
Z	36.4kN	-36.4kN

WARNING !

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

NOTE:
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.
FOR MORE INFORMATION CONSULT TECHNICAL NOTE 1404.

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DRAFTING TO AS 1100.101 AND 1100.201
TOLERANCES IN ACCORDANCE WITH -

VEEM GYRO 260 SDX

MASS		TOTAL QTY / GYRO
6570kg		1

DESCRIPTION: FORCES ON MOUNTS

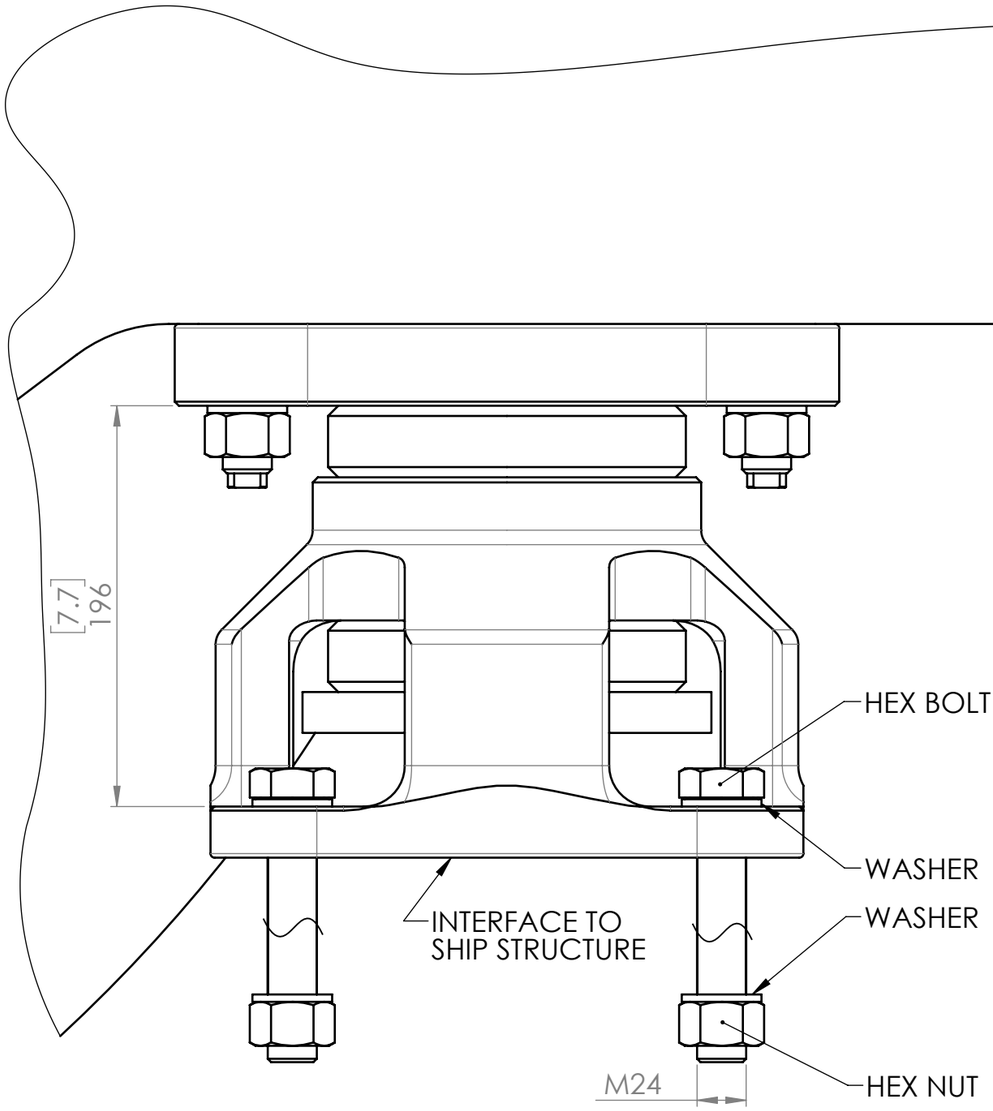
DRG No	REV
0261-DT-1000.04	0

MATERIAL	PROCESS
-	-

SHEET	SCALE	SHEET SIZE
04 OF 7	1:10	A3

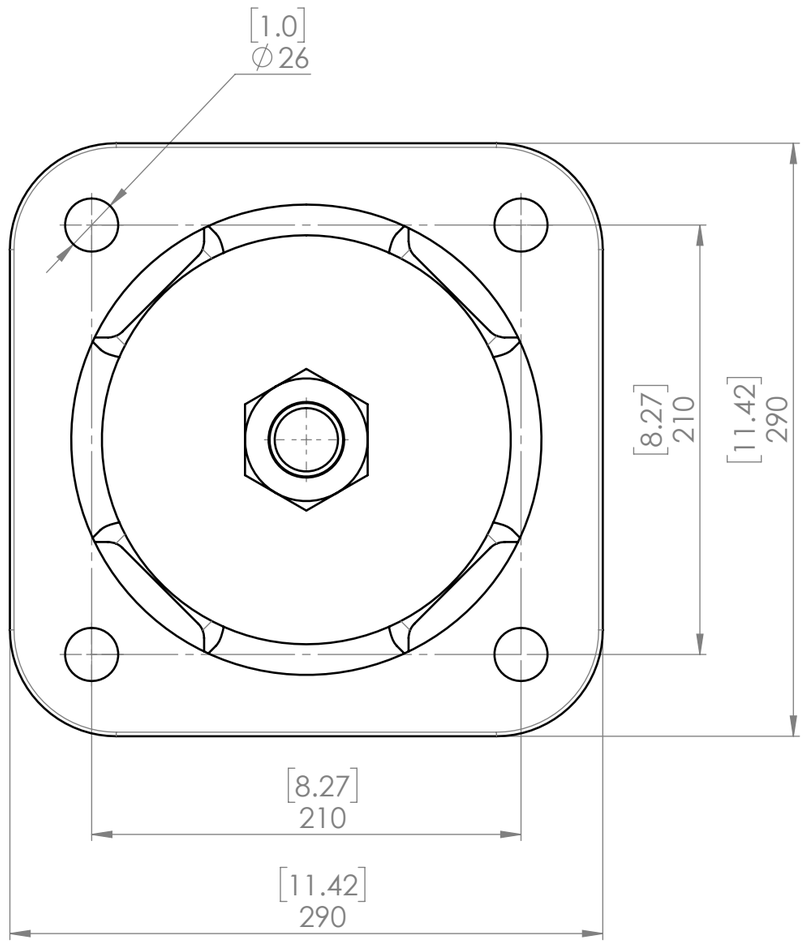
NOTE:

MIN PRE-LOAD 147kN ±10% ON MOUNT BOLTS, M24 GRADE 8.8 OR EQUIVALENT RECOMMENDED
TRAINED TECHNICIAN WITH MEANS TO MEASURE PRE-LOAD ACHIEVED WIITHIN ±10% REQUIRED.
IF CARBON STEEL FASTENERS USED, PROTECTIVE COATING REQUIRED TO PREVENT CORROSION.



VIEW OF VIBRATION MOUNT

BOTTOM VIEW



BOTTOM VIEW

ALL DIMENSIONS IN: mm
DIMENSIONS IN BRACKETS: [Inches]

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DRAFTING TO AS 1100.101 AND 1100.201

TOLERANCES IN ACCORDANCE WITH -

VEEM GYRO 260 SDX

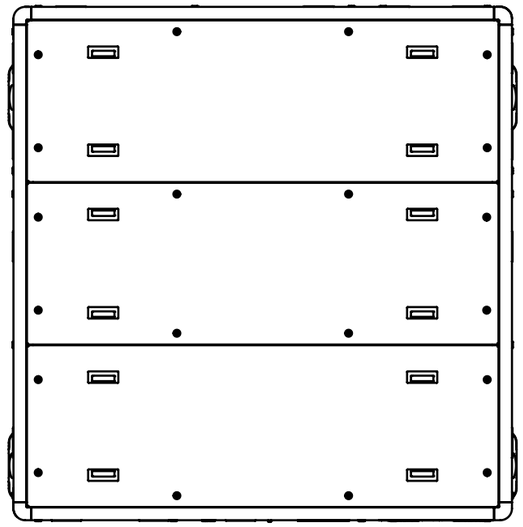
MASS		TOTAL QTY / GYRO
6570kg		1

DESCRIPTION: MOUNTING INTERFACE

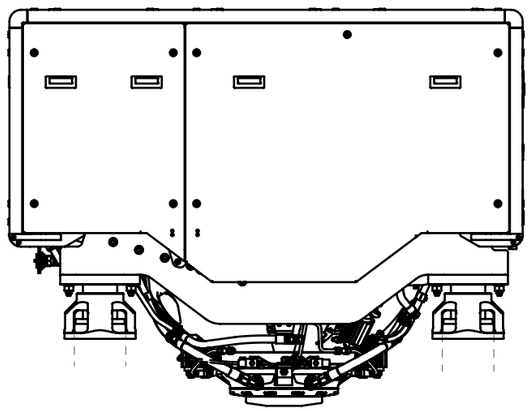
DRG No: 0261-DT-1000.05 | REV: 0

MATERIAL: - | PROCESS: -

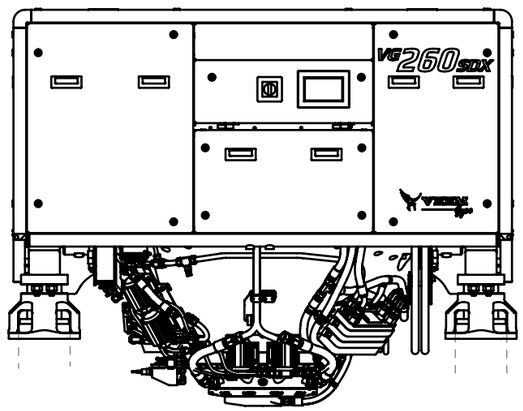
SHEET: 05 OF 7 | SCALE: 1:2 | SHEET SIZE: A3



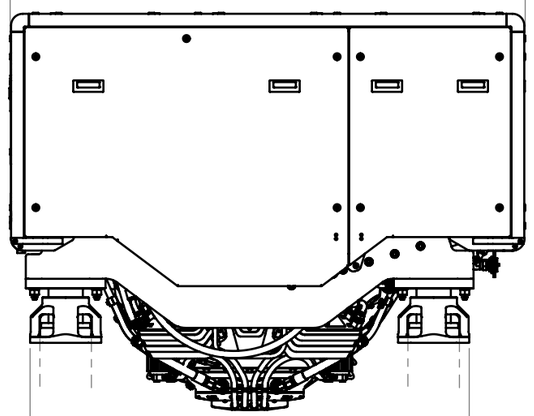
TOP VIEW



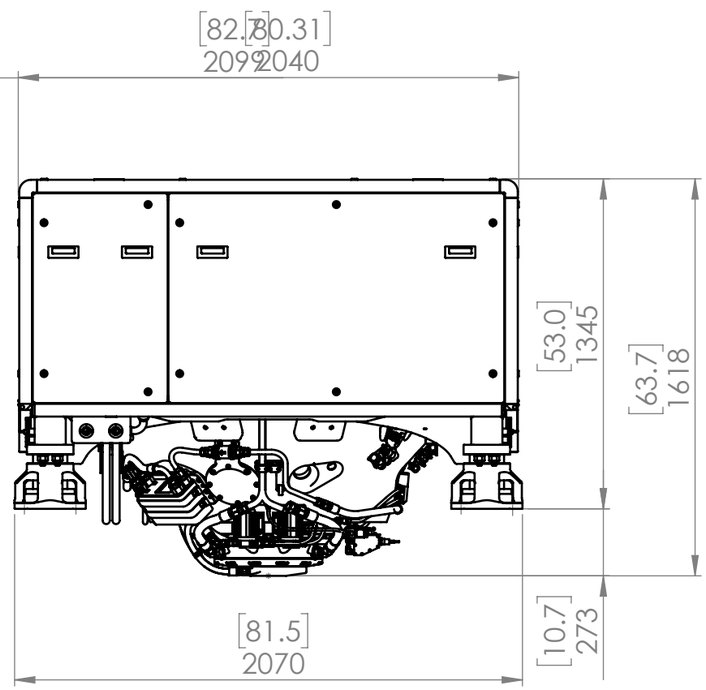
LEFT PANEL VIEW



FRONT PANEL VIEW



RIGHT PANEL VIEW



REAR PANEL VIEW

ALL DIMENSIONS IN: mm
DIMENSIONS IN BRACKETS: [Inches]

VEEM GYRO 260 SDX

MASS		TOTAL QTY / GYRO
6570kg		1

DRAFTING TO AS 1100.101 AND 1100.201

TOLERANCES IN ACCORDANCE WITH -

DESCRIPTION: INSTALLATION DRAWING

DRG No: 0261-DT-1000.06 REV: 0

MATERIAL: - PROCESS: -

SHEET: 06 OF 7 SCALE: 1:10 SHEET SIZE: A3

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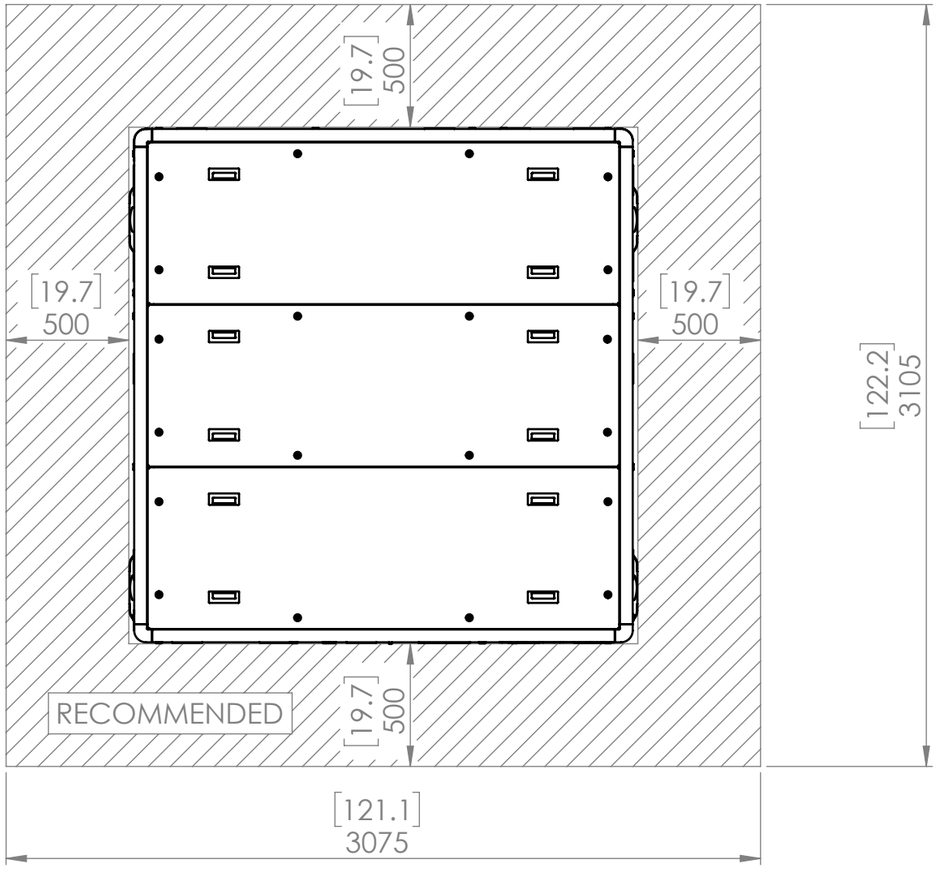
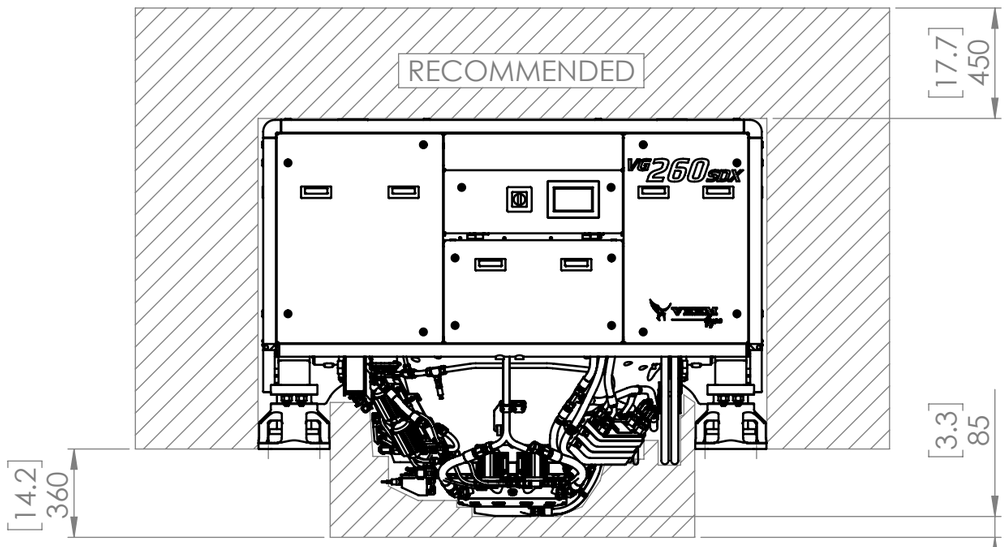
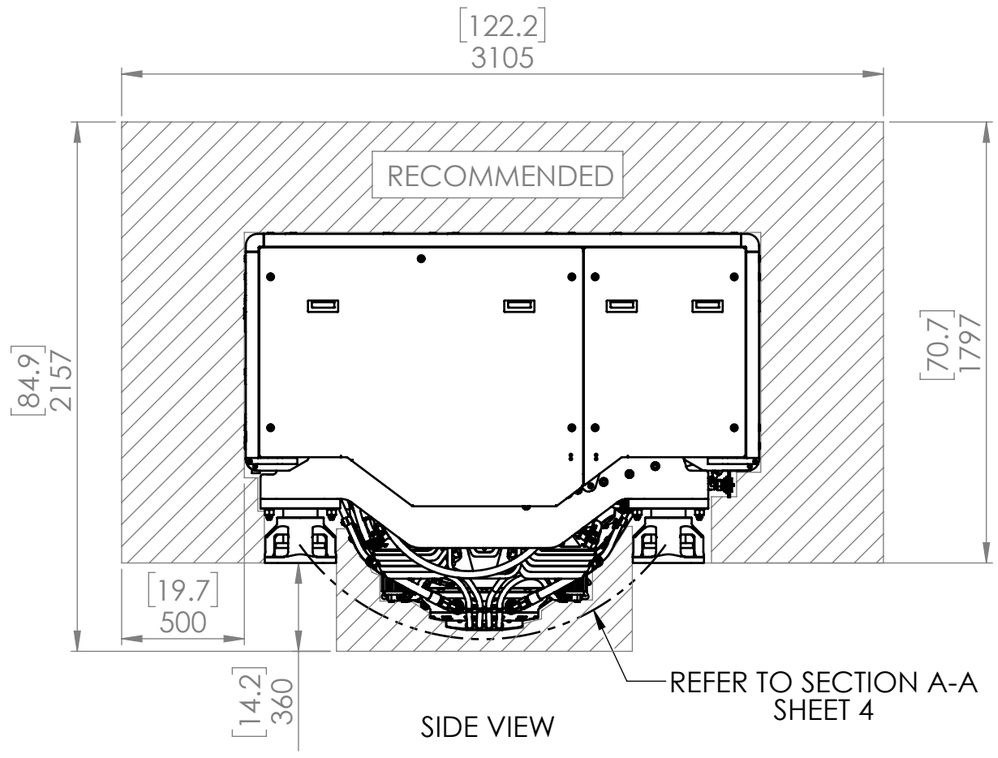
CAUTION: IF THE MINIMUM MAINTENANCE ENVELOPE
IS NOT PROVIDED, SOME MAINTENANCE AND OVER-HAUL ACTIVITIES
MAY NOT BE POSSIBLE TO COMPLETE WITHOUT REMOVING
THE GYRO FROM THE VESSEL. REFER TO THE WARRANTY STATEMENT

RECOMMENDED

OPERATING AND MAINTENANCE
SPACE REQUIREMENTS







SIDE VIEW

NOTE:

ACCESS TO NUTS UNDER VIBRATION MOUNTS IS REQUIRED
EXCEPT WHERE BONDED SADDLE IS USED, REFER TO SHEETS 4 & 6

ALL DIMENSIONS IN: mm
DIMENSIONS IN BRACKETS: [Inches]

VEEM GYRO 260 SDX

MASS		TOTAL QTY / GYRO
6570kg		1

DRAFTING TO AS 1100.101 AND 1100.201

TOLERANCES IN ACCORDANCE WITH -

DESCRIPTION: INSTALLATION DRAWING

DRG No: 0261-DT-1000.07 | REV: 0

MATERIAL: - | PROCESS: -

SHEET: 07 OF 7 | SCALE: 1:10 | SHEET SIZE: A3

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