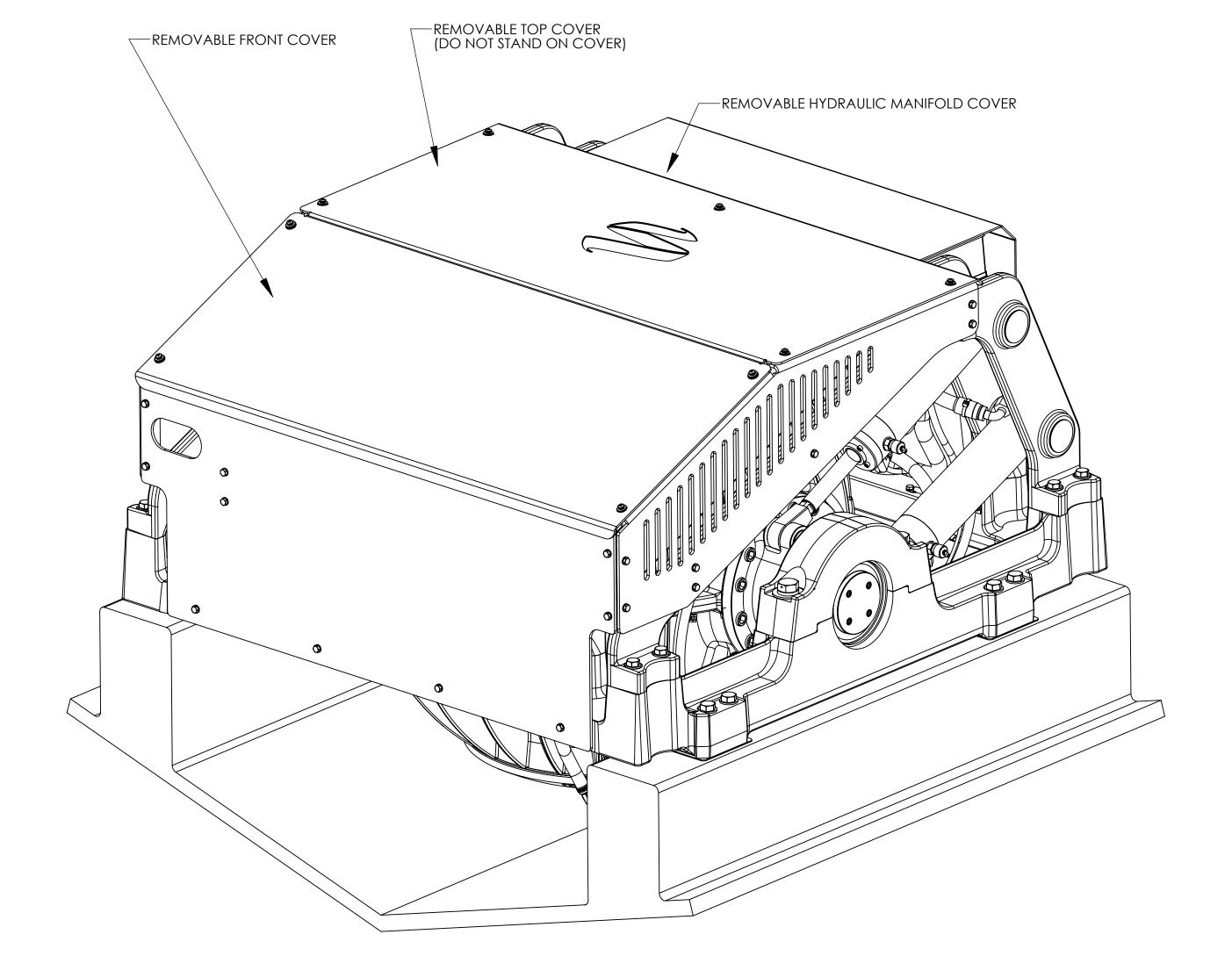
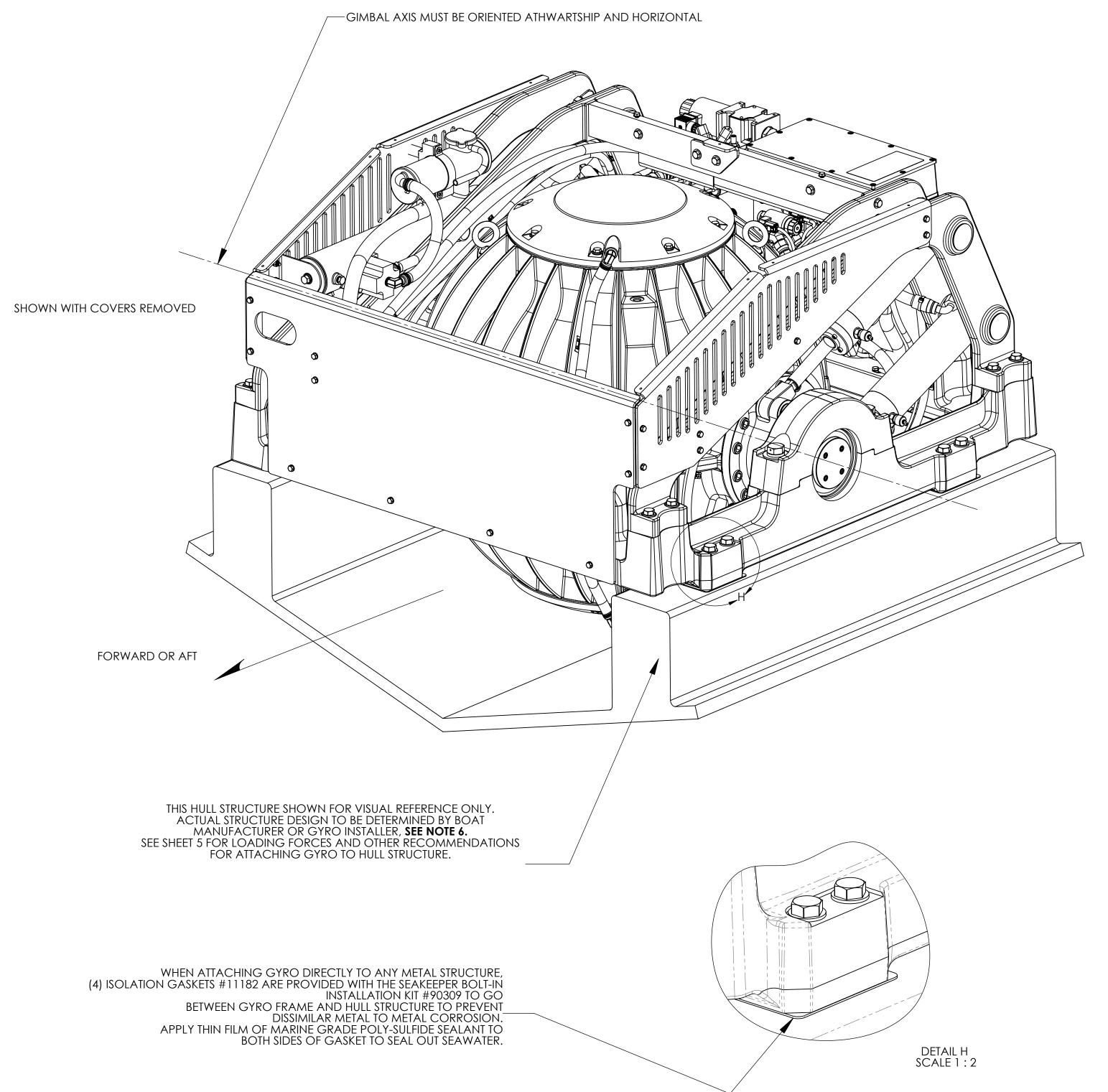
## NOTES:

- 1) SEE REFERENCES 1 THROUGH 5 FOR RELATED INSTALLATION MANUAL AND ELECTRICAL / ELECTRONIC AND COOLING CIRCUIT DRAWINGS.
- 2) GYRO ASSEMBLY WEIGHT = 2,057 LBS. (933 Kg)
- 3) RAW WATER COOLING REQUIREMENT IS 15 LPM (4 GPM) MINIMUM AND 30 LPM (8 GPM) MAXIMUM CONTINUOUS FLOW. PROVIDED CONNECTIONS ARE 19mm (3/4" INCH) HOSE BARB. USE OF RAW WATER STRAINER IS REQUIRED.
- 4) TWO LIFTING EYES ARE PROVIDED ON THE TOP OF THE GYRO SPHERE FOR USE WITH A CHAIN/SPREADER BAR (SEE SHEET 4) TOP COVER MUST BE REMOVED TO ACCESS LIFTING EYES.
- 5) COVERS ARE PROVIDED TO PREVENT PERSONNEL OR EQUIPMENT ENTANGLEMENT WHILE GYRO IS IN OPERATION.
  THESE COVERS ARE NOT TO BE STOOD ON OR TO HAVE ANYTHING STORED ON TOP OF. SEAKEEPER RECOMMENDS THE COVERS TO ALWAYS BE IN PLACE DURING OPERATION.
- 6) THE GYRO MUST BE INSTALLED AFT OF AMIDSHIP TO MINIMIZE HIGH ACCELERATION LOADING DUE TO HULL/WAVE IMPACTS DURING OPERATION AT HIGH SPEED OR IN LARGE WAVES. GYRO DOES **NOT** NEED TO BE MOUNTED ON CENTERLINE OF KEEL. GYRO SUPPORT STRUCTURE MUST BE PARALLEL TO VESSEL WATERLINE.
- 7) GYRO MAY BE INSTALLED FACING FORWARD OR AFT AS SHOWN. GYRO ORIENTATION SHOULD BE SELECTED TO PROVIDE THE MOST ACCESSABILITY FOR FUTURE SERVICE AND MAINTENANCE. INSTALLATION, START-UP, AND OPERATION IS THE SAME REGARDLESS OF GYRO ORIENTATION.
- 8) WHEN INSTALLING GYRO SEAKEEPER RECOMMENDS USING A BOLT HOLE LOCATION FIXTURE # 90282 AVAILABLE FROM SEAKEEPER. THIS FIXTURE WILL PROPERLY SPACE AND LOCATE HOLES TO BE DRILLED IN HULL STRUCTURE FOR BOLT-IN OF GYRO FOUNDATION. SEE REFERENCE 5 FOR DETAILS OF INSTALLATION PROCESS.



REV NO.	ECN NO.	ZONE	DESCRIPTION	DATE	APPRVD.
1	0178		RELEASED FOR PUBLICATION	8/18/2014	WED
2	0272	SHT 2	REVISED REAR VIEW ON SHT 2, ADDED PROPER HOSE CLEARANCE	1/28/2015	RSK
3	0324		SEAKEEPER BRANDING CHANGE	6/2/2015	SAC
4	0467		ADDED 12HD TO TITLE BLOCK	11/23/2016	BRD



3

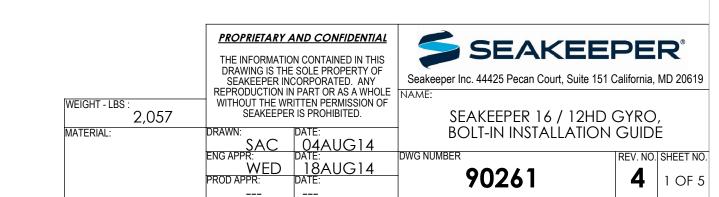
REF.	DWG. NO.	DWG. TITLE		
1	90305	SEAKEEPER 16 GYRO COOLING WATER SCHEMATIC		
2	90306	SEAKEEPER 16 GYRO CABLE BLOCK DIAGRAM		
3	90337	OPERATOR DISPLAY ENVELOPE & MOUNTING DETAILS		
4	90282	SEAKEEPER 16 GYRO INSTALLATION FIXTURE KIT		
5	90308	SEAKEEPER16 GYRO INSTALLATION MANUAL		
6	90309	SEAKEEPER 16 BOLT-IN INSTALLATION KIT		

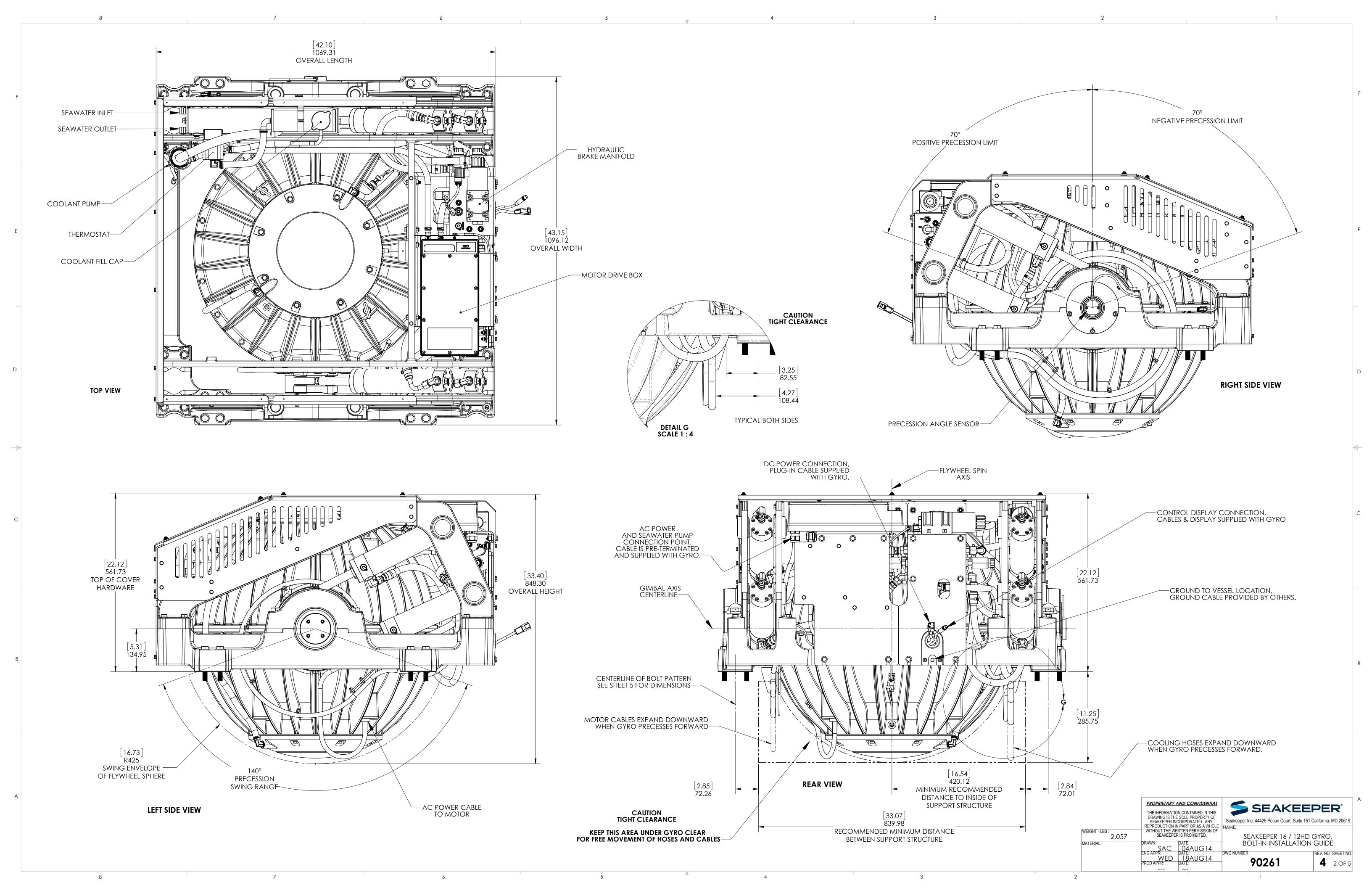
SHEET 2 - GYRO FOUNDATION DIMENSIONS.

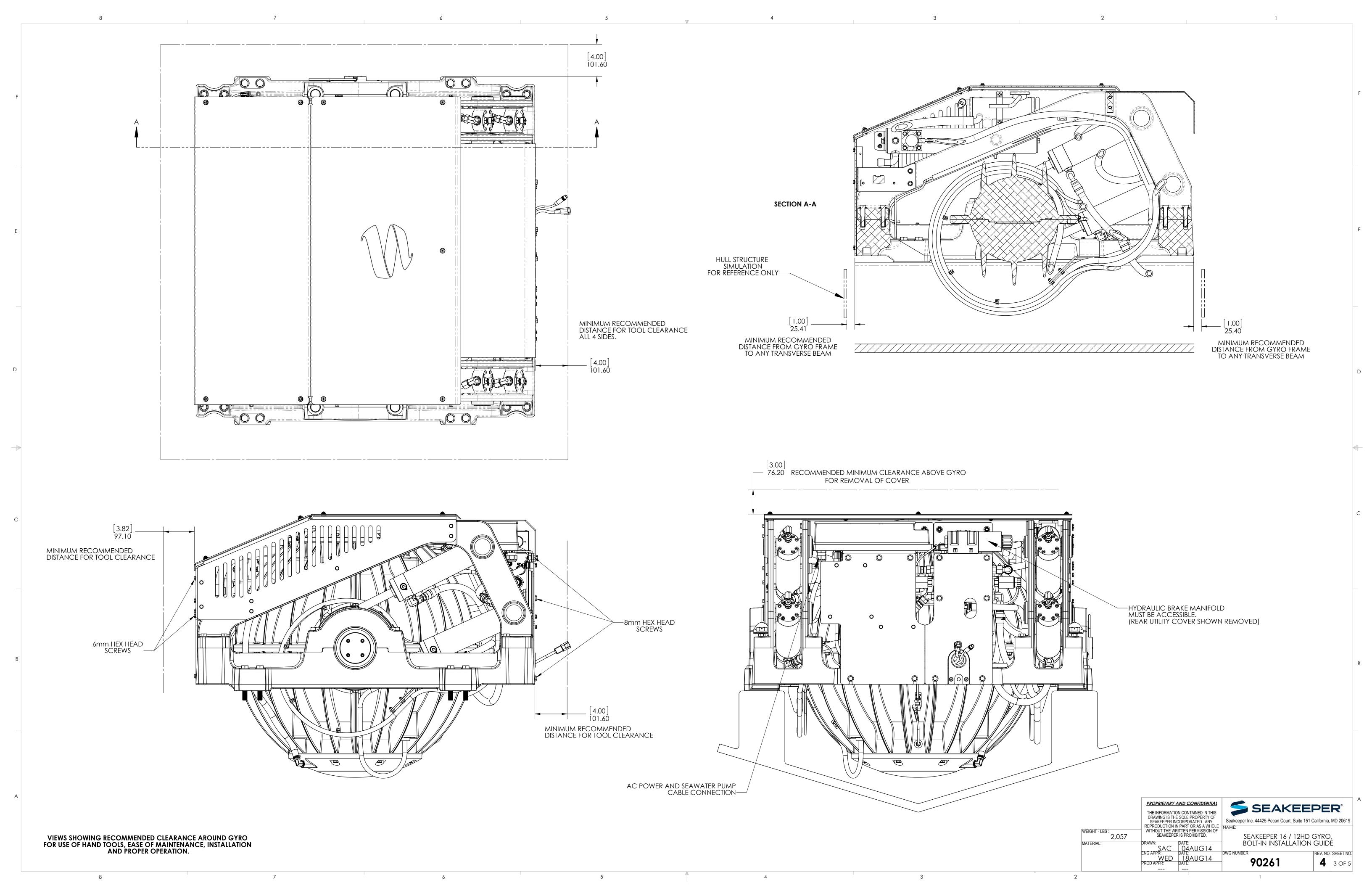
SHEET 3 - RECOMMENDED CLEARANCES TO HULL STRUCTURE.

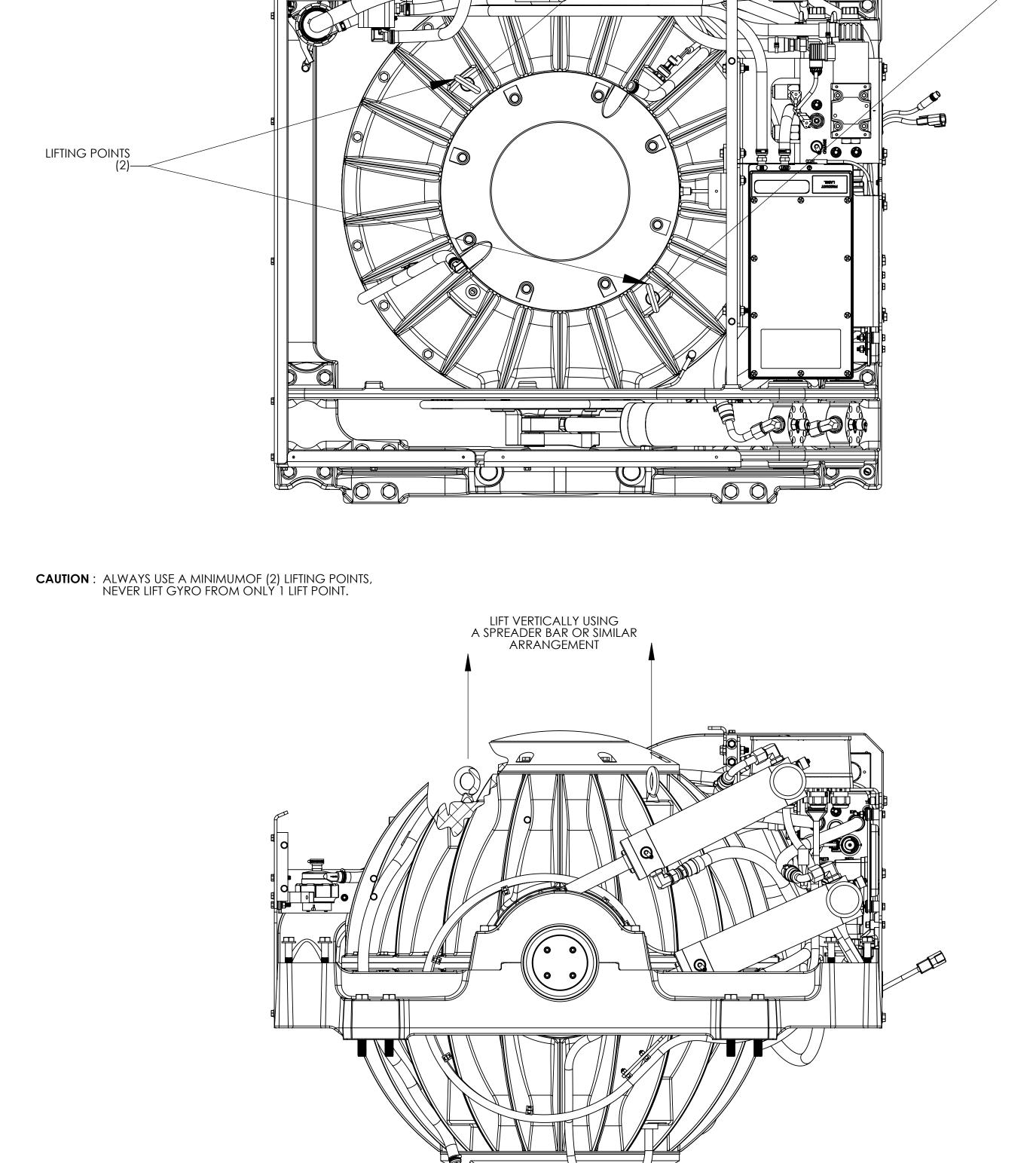
SHEET 4 - RECOMMENDED LIFTING POINTS.

SHEET 5 - GYRO LOADS FOR HULL STRUCTURE DESIGN.





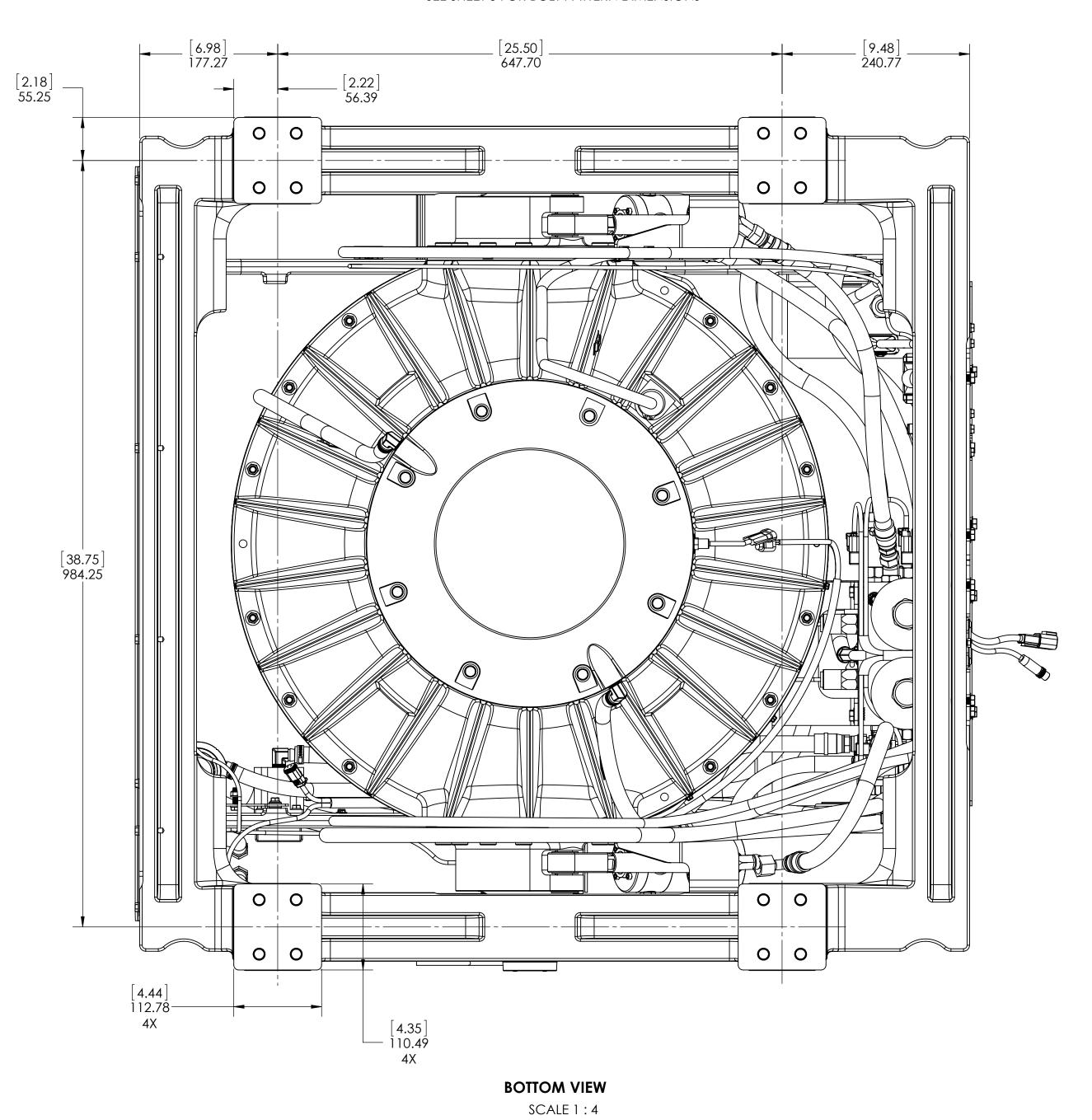




8

[19.56] 496.89

## SEE SHEET 5 FOR BOLT PATTERN DIMENSIONS



3

4

WEIGHT - LBS:

2,057

MATERIAL:

DRAWN:

DATE:

SAC

O4AUG14

ENG APPR:

DATE:

WED 18AUG14

PROD APPR:

DATE:

WED 18AUG14

PROD APPR:

DATE:

WEIGHT - LBS :

SEAKEEPER INC. QOAPIBITED.

SEAKEEPER IS PROHIBITED.

SEAKEEPER IS / 12HD GYRO,
BOLT-IN INSTALLATION GUIDE

REV. NO. SHEET NO.
4 OF 5

