NOTES:

1. DIMENSIONS FOR REFERENCE ONLY

2. FULL INSTALLATION INSTRUCTIONS CAN BE FOUND AT SEAKEEPER.COM

3. M21000/M21000A GYRO ASSEMBLY WEIGHT 1338 kg (2950 lbs.)
   SEAKEEPER 35 GYRO ASSEMBLY WEIGHT 1778 kg (3920 lbs.)

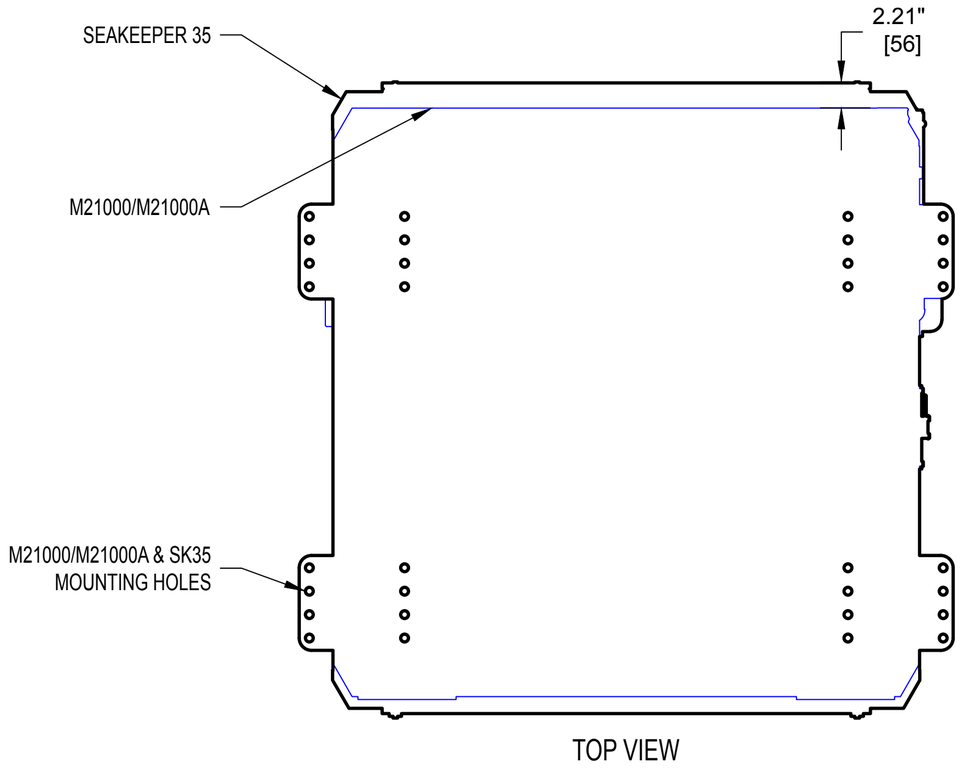
4. INSTALLATION MANUAL
   M21000 - SEAKEEPER MANUAL 90077
   M21000A - SEAKEEPER MANUAL 90144
   SK35 - SEAKEEPER MANUAL 90268

5. STRUCTURAL REQUIREMENTS
   M21000/M21000A - SEAKEEPER DRAWING 90098, SHEET 6
   SK35 - SEAKEEPER DRAWING 90256, SHEET 6
   NOTE: SEAKEEPER RECOMMENDS REVIEWING CHANGES IN STRUCTURAL REQUIREMENTS WITH A NAVAL ARCHITECT

6. ELECTRICAL REQUIREMENTS
   DC POWER (M21000/M21000A AND SK35 SIMILAR): 24 VDC, 10 A
   AC POWER (M21000/M21000A): 208-230 VAC, 50/60 HZ, 20 A, SINGLE PHASE
   AC POWER (SK35): 208-230 VAC, 50/60 HZ, 30 A, SINGLE PHASE
   NOTE: WHEN ORIENTED SIMILARLY, THE ELECTRICAL INPUT CONNECTIONS FOR THE M21000/ M21000A AND SK35 ARE IN APPROXIMATELY THE SAME LOCATION.

7. SEAWATER FLOW REQUIREMENTS
   M21000/M21000A - 15 LPM (4 GPM) MINIMUM, 30 LPM (8 GPM) MAXIMUM CONTINUOUS FLOW.
   SK35 - 38 LPM (10 GPM) MINIMUM, 53 LPM (14 GPM) MAXIMUM CONTINUOUS FLOW.
   PROVIDED CONNECTIONS ARE: M21000/M21000A - 19mm (3/4") HOSE BARB, SK35 - 25mm (1") HOSE BARB.
   USE OF RAW WATER STRAINER IS REQUIRED
   NOTE: WHEN ORIENTED SIMILARLY, THE SEAWATER INPUT CONNECTIONS FOR THE M21000/ M21000A AND SK35 ARE IN APPROXIMATELY THE SAME LOCATION.

8. SEAWATER PUMP ELECTRICAL
   AN OUTPUT IS AVAILABLE FROM MOTOR DRIVE TO POWER AND AUTOMATICALLY CONTROL SEAWATER PUMP. THIS PUMP MUST OPERATE ON 230 VAC SINGLE PHASE AND CONSUME LESS THAN 5 AMPS. PUMPS REQUIRING OTHER VOLTAGES OR HIGHER CURRENT CAN STILL BE CONTROLLED BY USING THIS SUPPLY FROM MOTOR DRIVE TO TRIGGER AN INSTALLER-SUPPLIED CONTACTOR BUT A SEPARATE SOURCE OF POWER MUST BE PROVIDED.



TOP VIEW

PROCEDURE NOTES:

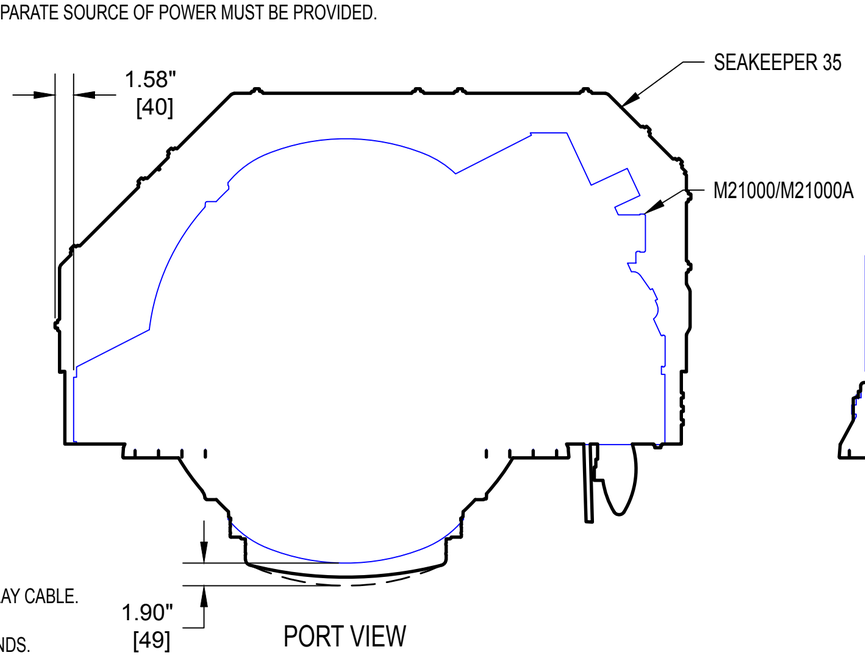
1. UNBOLT AND REMOVE M21000/M21000A GYRO FROM EXISTING FOUNDATION ON VESSEL.

2. INSPECT FOUNDATION FOR STRUCTURAL INTEGRITY, USING A NAVAL ARCHITECT TO DETERMINE IF ANY STRUCTURAL MODIFICATIONS ARE NECESSARY TO ACCOMMODATE THE INCREASED LOADS OF THE SEAKEEPER 35.

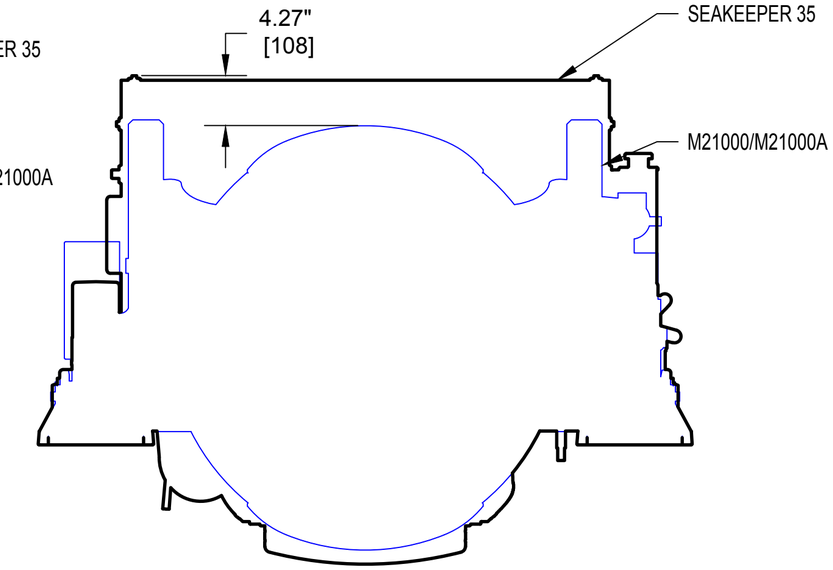
3. UPON SUCCESSFUL INSPECTION AND/OR MODIFICATION TO FOUNDATION, INSTALL SEAKEEPER 35 ONTO EXISTING BOLT PATTERN, AS PER SEAKEEPER INSTALLATION MANUAL 90268.

4. AC OVER-CURRENT PROTECTION IS TO BE INCREASED FROM 20-AMPS TO 30-AMPS AS PER NOTE 6 ABOVE.

5. SEAWATER FLOW IS TO BE INCREASED FROM 4-8 GPM TO 10-14 GPM. SEAWATER SUPPLY AND DISCHARGE HOSES ARE TO BE INCREASED FROM 3/4" TO 1" AS PER NOTE 7 ABOVE.



PORT VIEW



FRONT VIEW

DISPLAY UPGRADE NOTES:

1. M21000 UTILIZES AN 8-CONDUCTOR DISPLAY CABLE. SK35 UTILIZES A 4-CONDUCTOR DISPLAY CABLE.

2. TO USE EXISTING DISPLAY CABLE, FIRST CUT OFF CONNECTORS AT GYRO AND DISPLAY ENDS.

3. SELECT 4 CONDUCTORS FROM CABLE AND INSTALL A FIELD-ATTACHABLE NMEA 2000 CONNECTOR ON EACH END (GYRO: MALE CONNECTOR, DISPLAY: FEMALE CONNECTOR). THE REMAINING 4 CONDUCTORS WILL NOT BE USED.

4. CONNECT NEW CABLE TO SK35 AND NEW DISPLAY.

REF.	DWG. NO.	DWG TITLE
1	90290	SEAKEEPER 35 GYRO COOLING WATER SCHEMATIC
2	90288	SEAKEEPER 35 GYRO CABLE BLOCK DIAGRAM
3	90337	OPERATOR DISPLAY ENVELOPE & MOUNTING DETAILS
4	90089	SEAKEEPER 35 GYRO BOLT-IN INSTALLATION FIXTURE KIT
5	90268	SEAKEEPER 35 GYRO INSTALLATION MANUAL
6	90086	SEAKEEPER 35 GYRO BOLT-IN INSTALLATION KIT

	NAME	DATE
DRAWN	CJB	19JAN17
CHECKED	BRD	
ENG APPR.		
COMMENTS:		

SEAKEEPER
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CALIFORNIA, MARYLAND 20619, USA
PH: (410) 326-1590 FAX: (410) 326-1199

TITLE
OVERLAY DRAWING
M21000, M21000A / SK35

SIZE	DWG NO.	REV
C	90411	2

SCALE	WEIGHT	SHEET
1:10	N/A	1 OF 1