

- 1. PRIMARY BUDYANCY UNIT
- 2. SECONDARY BUDYANCY UNIT
- 3. CENTRAL STEELWORK
- 4. ELECTRONICS ASSEMBLY
- 5. TOPMARK ASSEMBLY
- 6. EQUIPMENT ARMS
- 7. APPROXIMATE WEIGHT: 1100kg
- 8. APPROXIMATE FREEBOARD (c/w 150kg OF MOORINGS): 0.5m

ALL DIMENSIONS IN mm UNLESS STATED

PART No: N/A

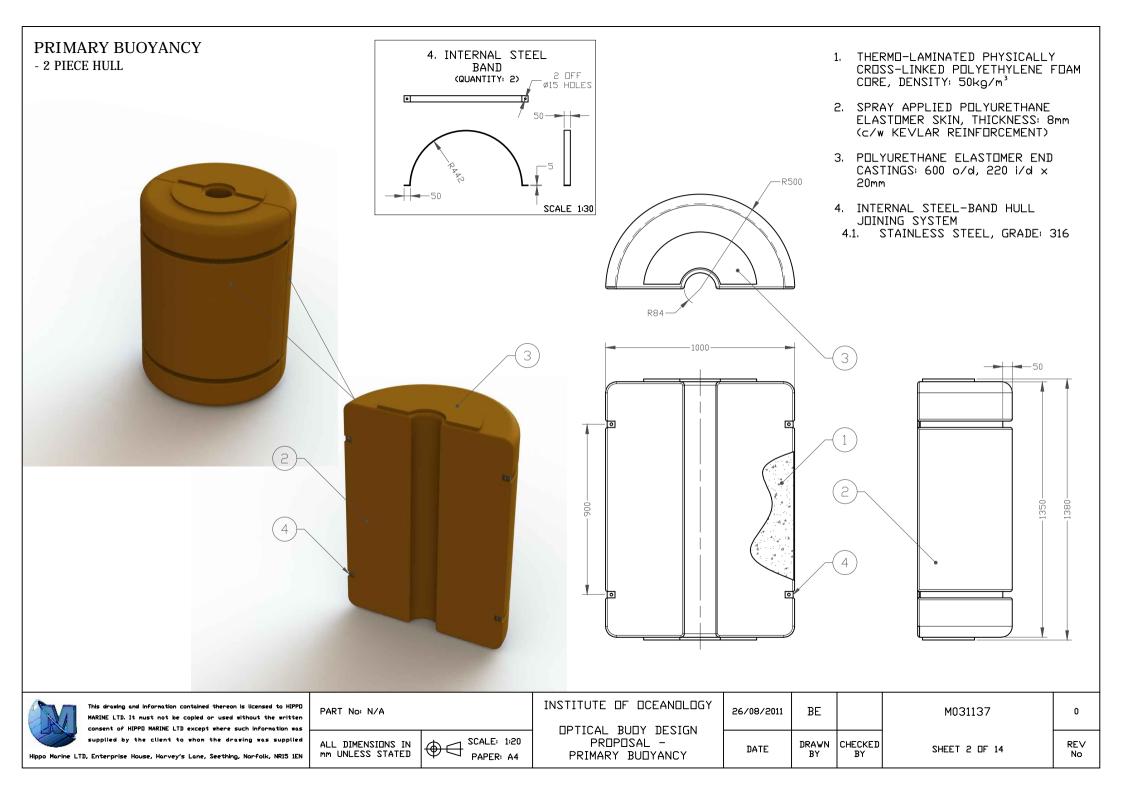
INSTITUTE OF OCEANOLOGY OPTICAL BUDY DESIGN PROPOSAL

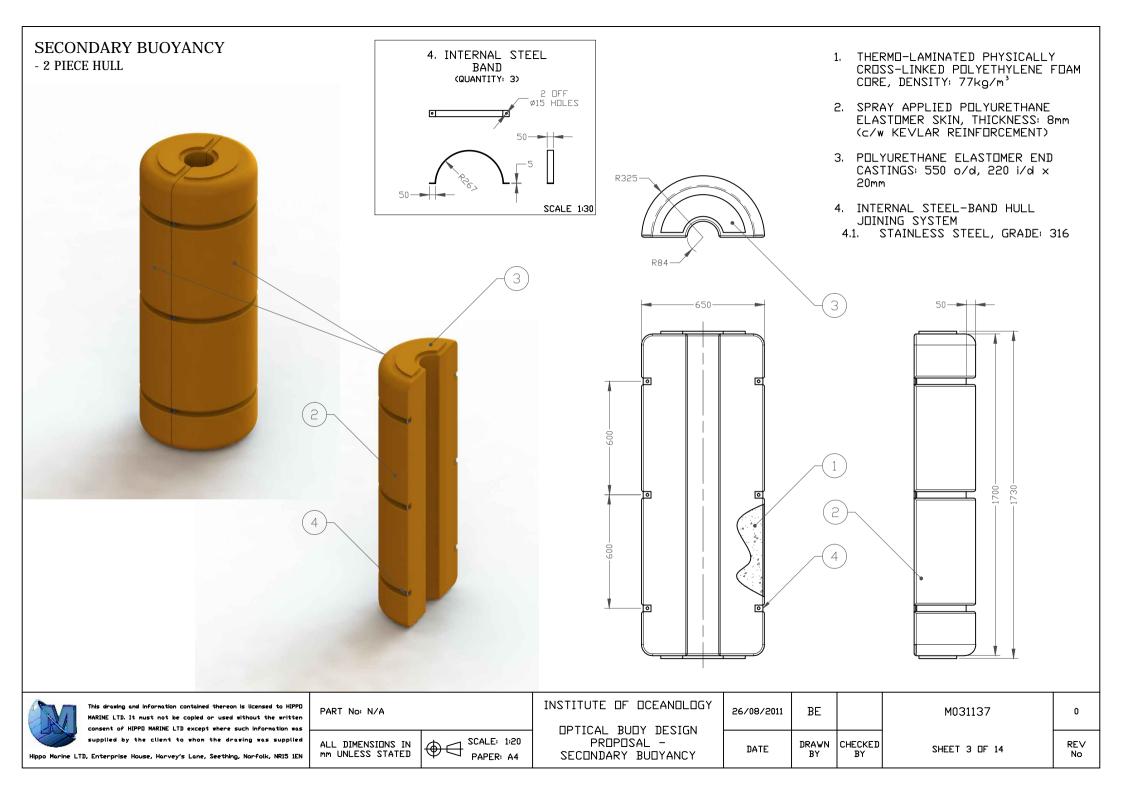
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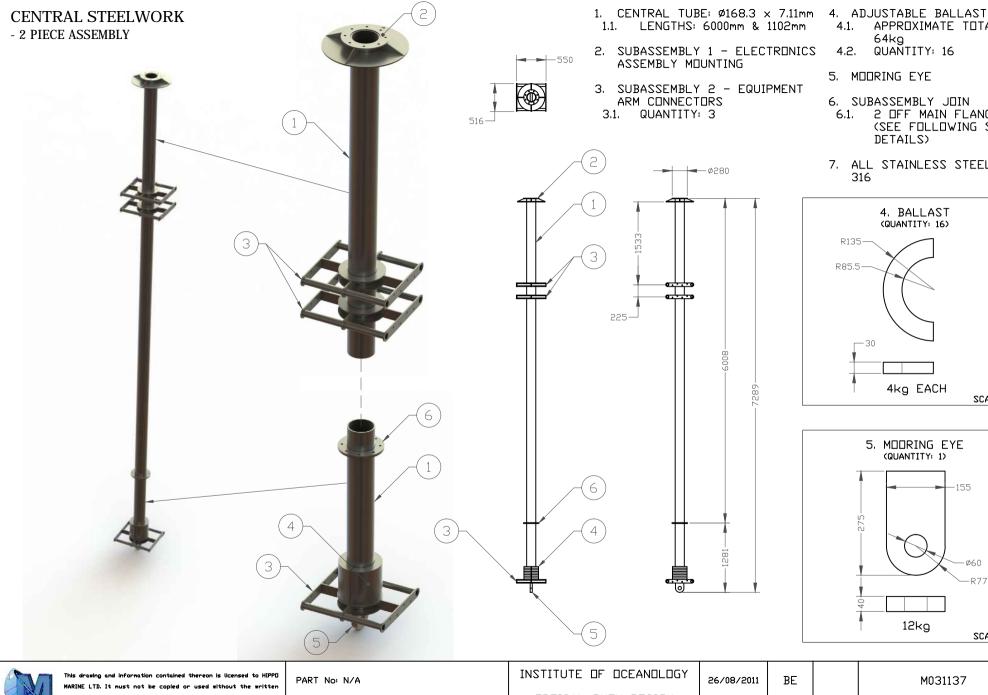
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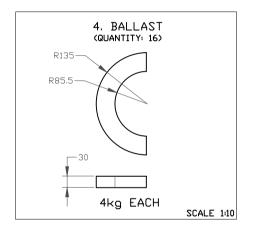
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PAPER: A4

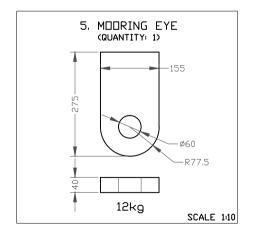






- - 4.1. APPROXIMATE TOTAL WEIGHT: 64kg
- 4.2. QUAŇTITY: 16
- 5. MODRING EYE
- 6. SUBASSEMBLY JOIN
- 6.1. 2 DFF MAIN FLANGE PROFILE (SEE FOLLOWING SHEET FOR DETAILS>
- 7. ALL STAINLESS STEEL, GRADE: 316







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SCALE: 1:70
PAPER: A4

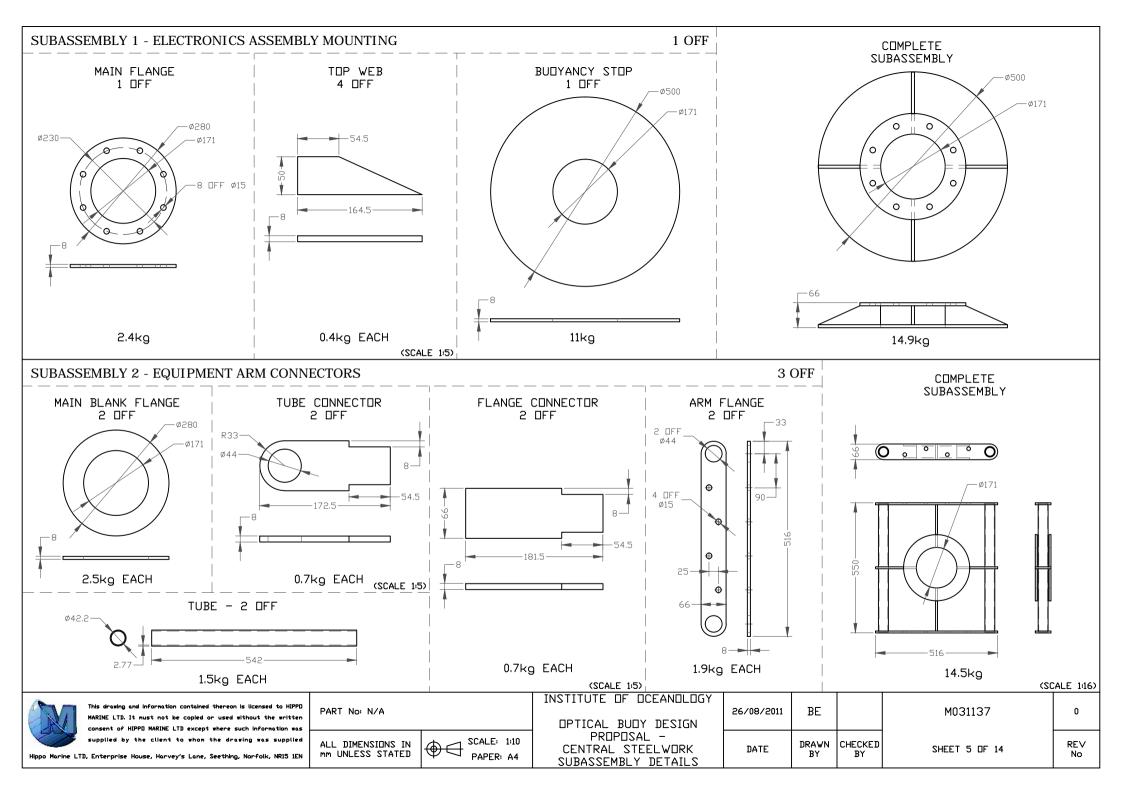
OPTICAL BUDY DESIGN PROPOSAL -CENTRAL STEELWORK

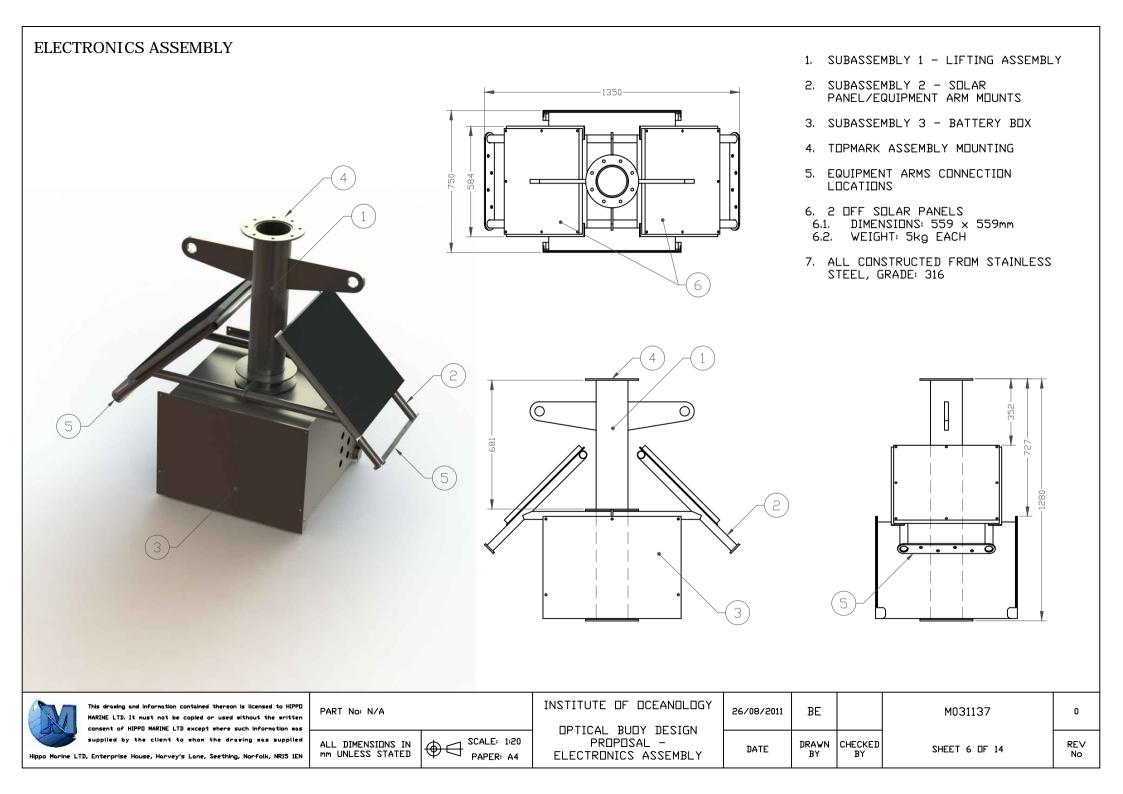
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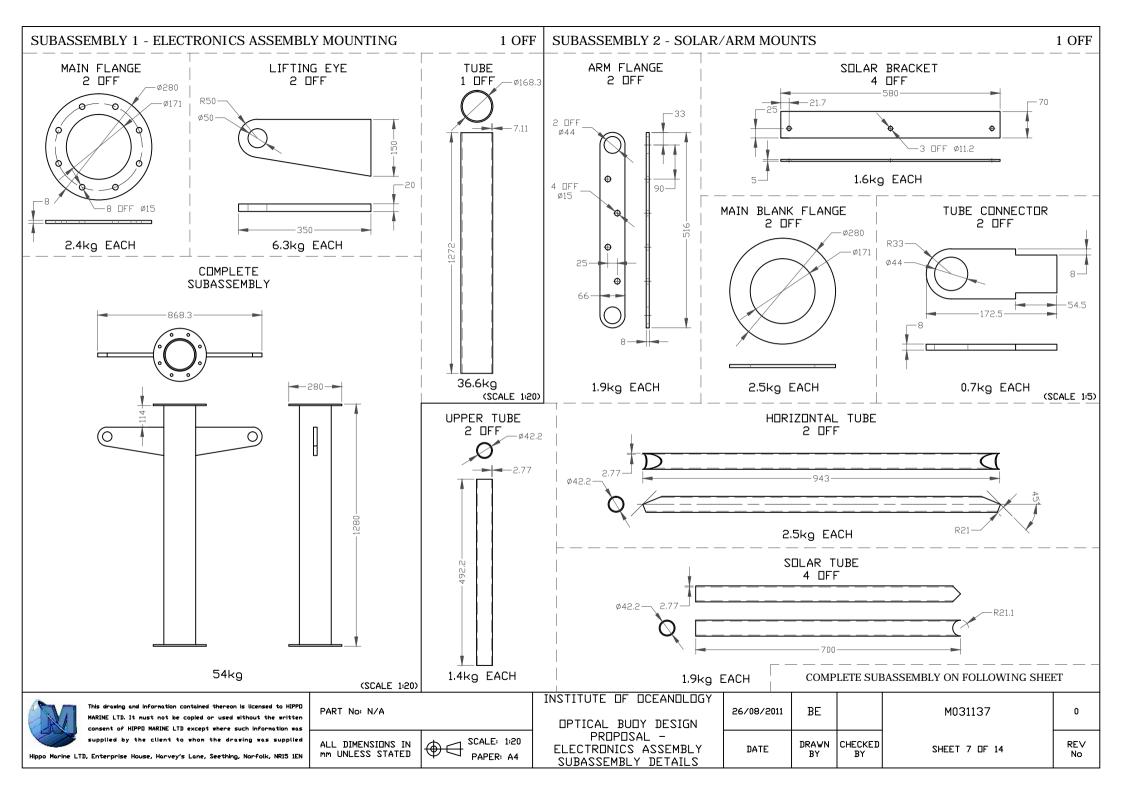
M031137 SHEET 4 DF 14

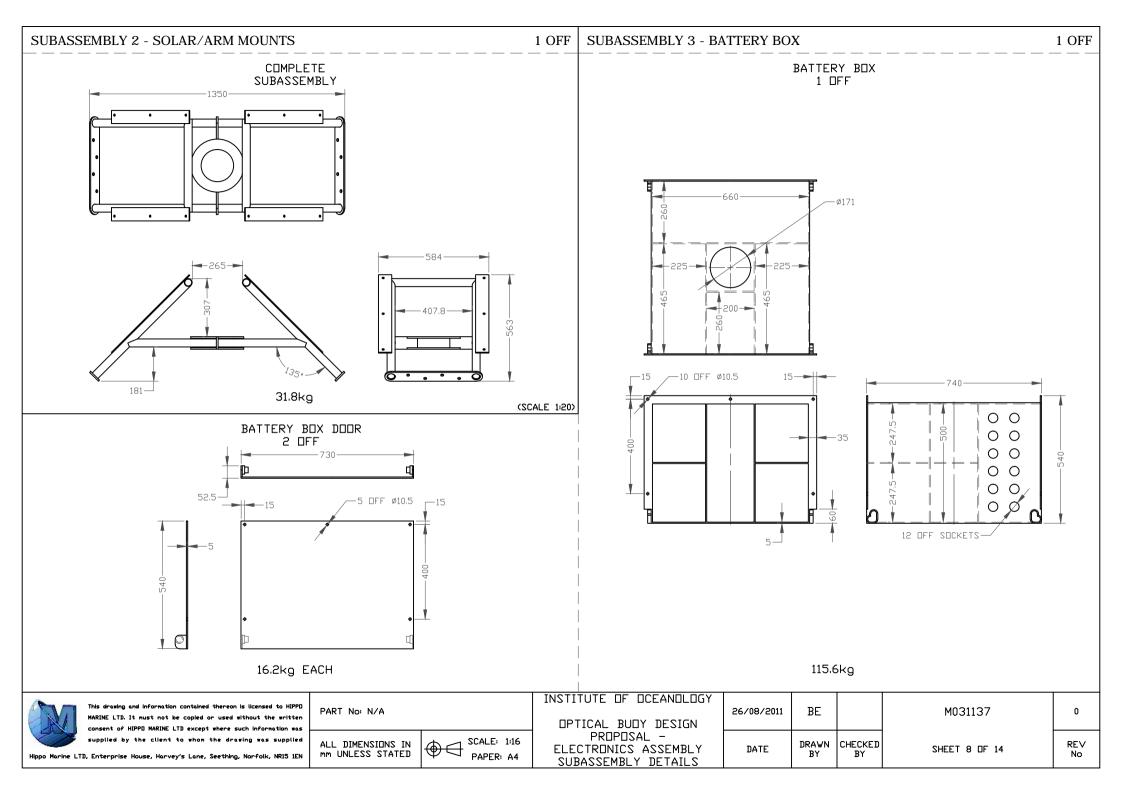
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ELECTRONICS SYSTEM

- The electronic system as outlined on this sheet has the capability to run autonomously for 4 weeks between the months of March & October. The system consists of:

1. 4 off YC45-12 lead-acid batteries

1.1. Producing a total of 180Ah

2. 2 off BP 525MM solar panels

2.1. Producing a total of 50W

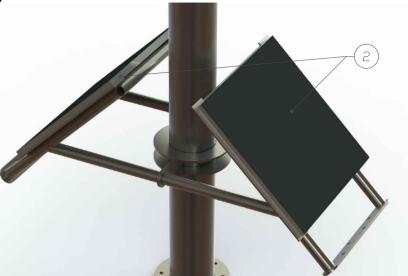
3. Sunsaver regulator

4. MAWS420 system controller

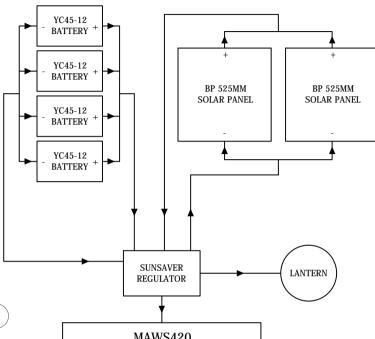
4.1. c/w 12 off equipment sockets

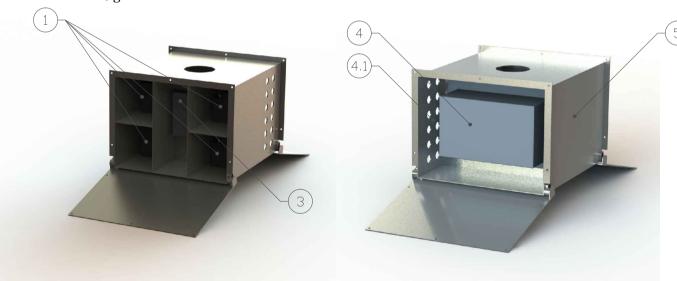
5. Battery Box

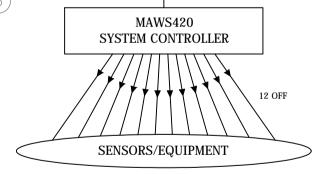
- 5.1. Access front and back for batteries/system controller
- 5.2. Rated to IP68
- 5.3. Constructed from stainless steel, grade: 316



SYSTEM SCHEMATIC





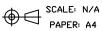




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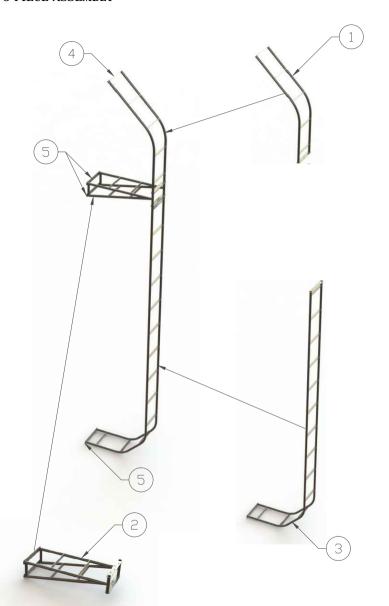


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OPTICAL BUDY DESIGN
PROPOSAL - ELECTRONICS SYSTEM

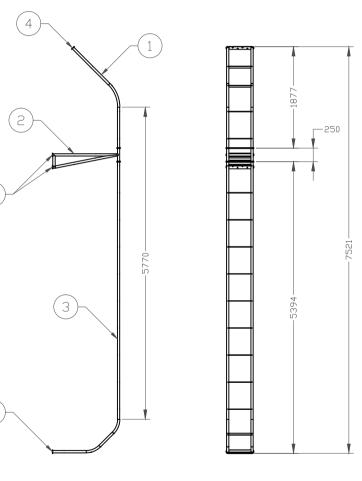
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EQUIPMENT ARMS (2 OFF)

- 3 PIECE ASSEMBLY



- 1. SUBASSEMBLY 1 UPPER EQUIPMENT ARM
- 2. SUBASSEMBLY 2 MID EQUIPMENT ARM
- 3. SUBASSEMBLY 3 LOWER EQUIPMENT ARM
- 4. ELECTRONICS ASSEMBLY CONNECTION LOCATION
- 5. CENTRAL STEELWORK CONNECTION LOCATIONS
- 6. ALL CONSTRUCTED FROM STAINLESS STEEL, GRADE: 316



PART No: N/A

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OPTICAL BUDY DESIGN PROPOSAL -**EQUIPMENT ARMS**

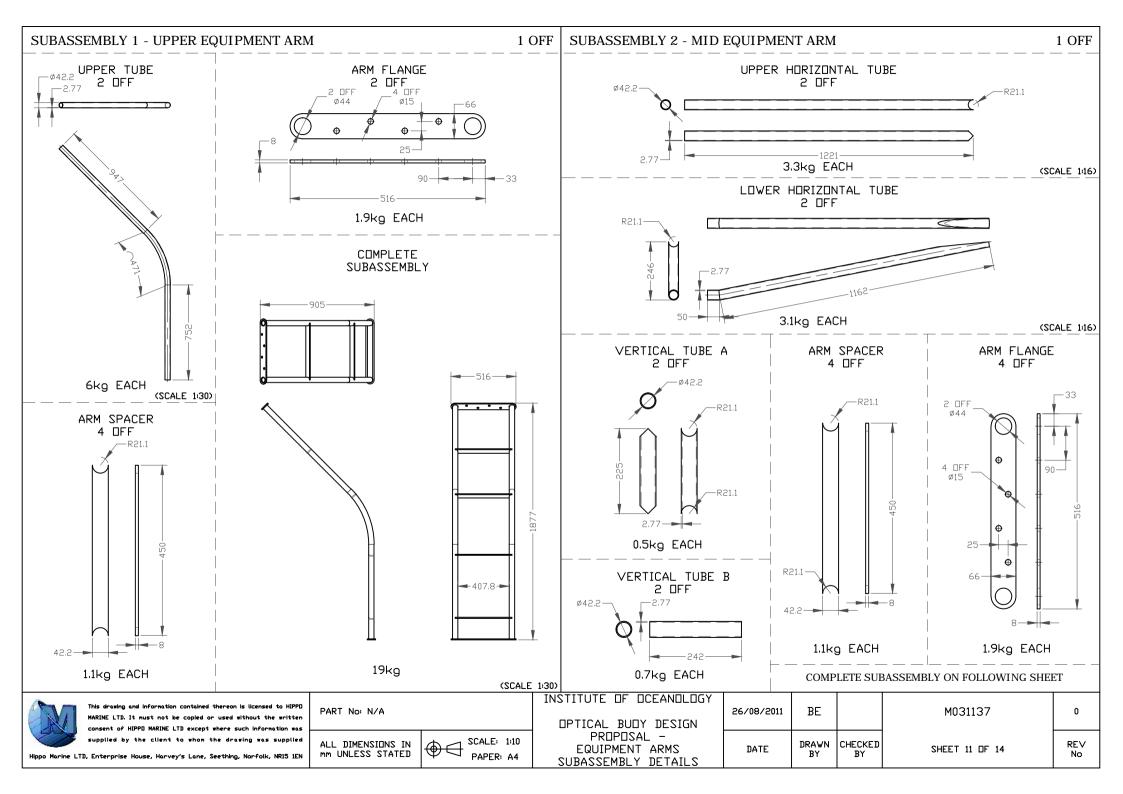
INSTITUTE OF OCEANOLOGY

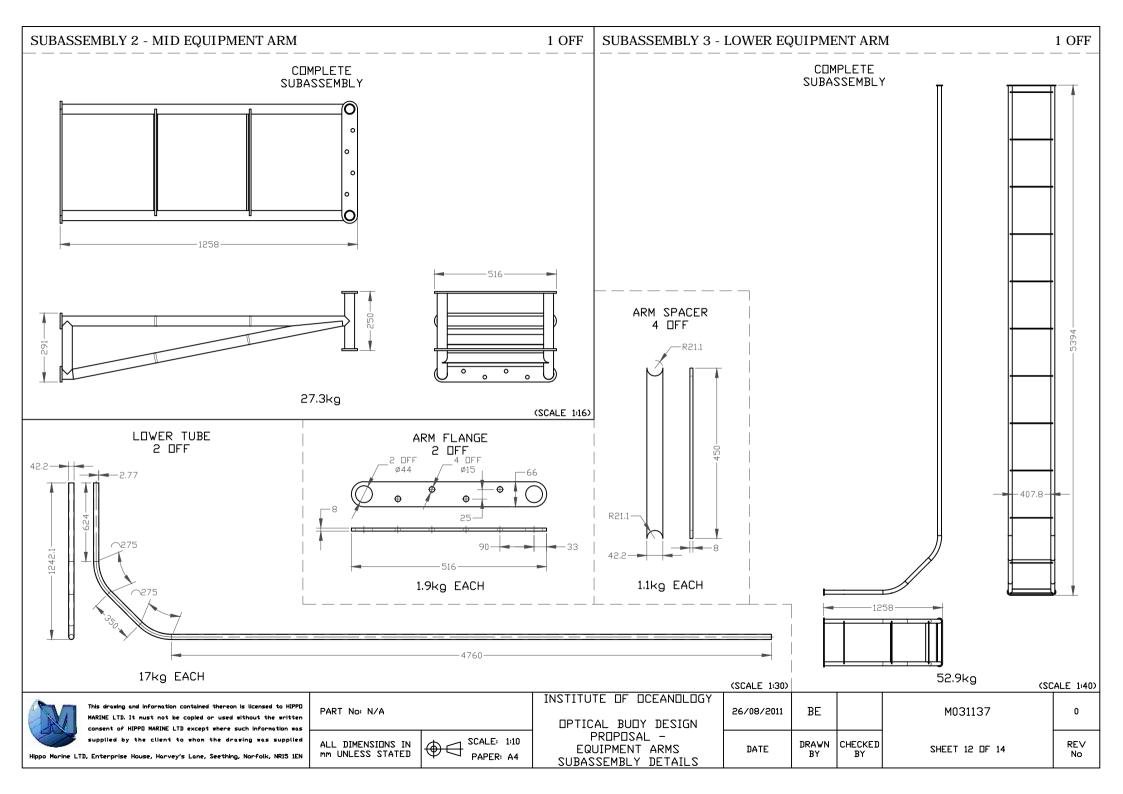
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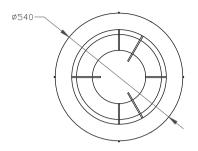
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PAPER: A4

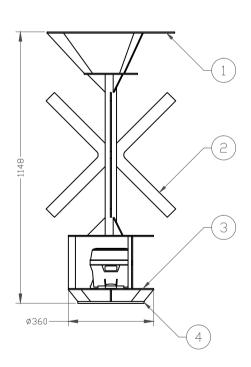




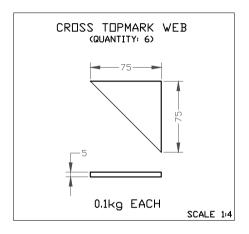
TOPMARK ASSEMBLY







- 1. SUBASSEMBLY 1 EQUIPMENT HALD
- 2. SUBASSEMBLY 2 SPECIAL MARK CROSS TOPMARK
- 3. SUBASSEMBLY 3 LANTERN PEDESTAL
- 3.1. SHOWN c/w CARMANAH M650 LANTERN (4NM RANGE)
- 4. ELECTRONICS ASSEMBLY MOUNTING
- 5. ALL CONSTRUCTED FROM STAINLESS STEEL, GRADE: 316



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PAPER: A4

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OPTICAL BUDY DESIGN
PROPOSAL TOPMARK ASSEMBLY

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