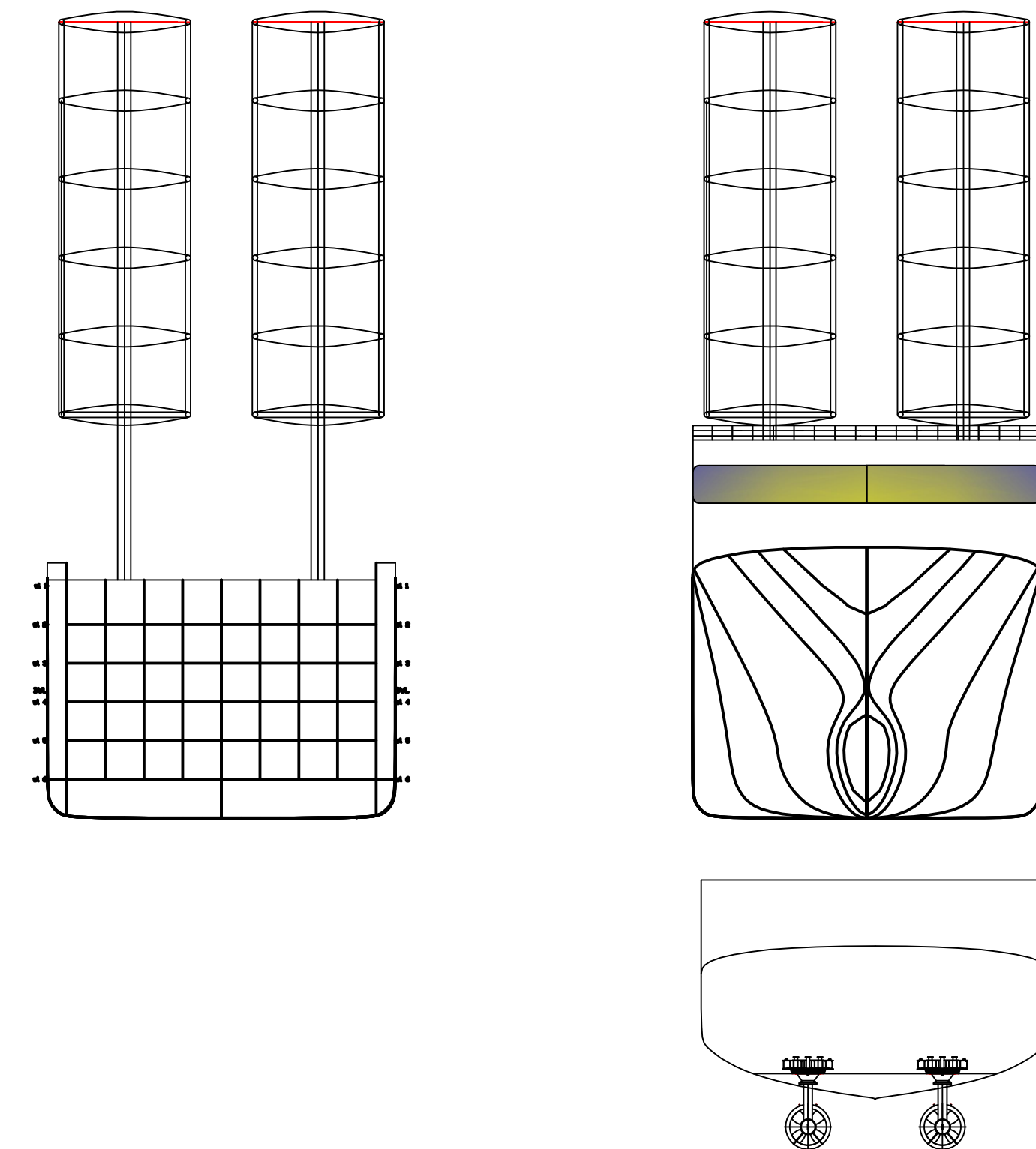
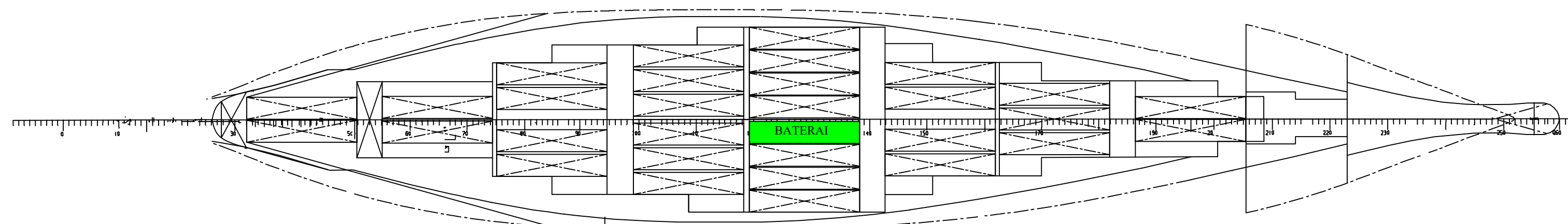
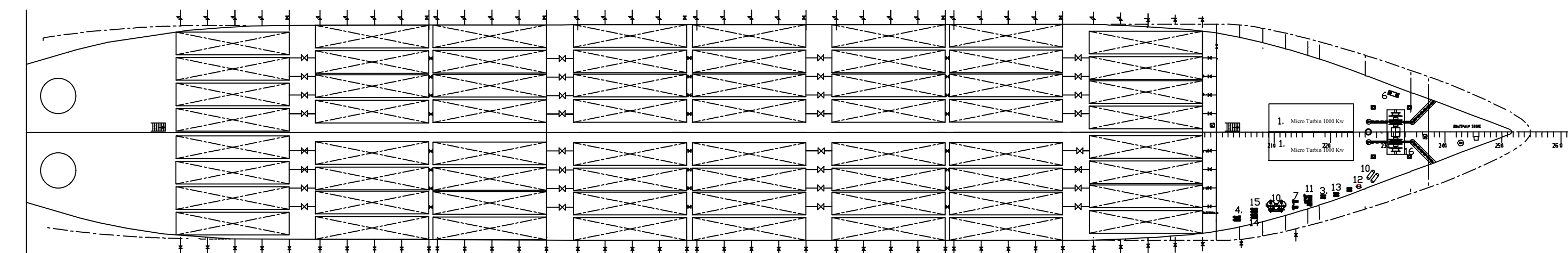
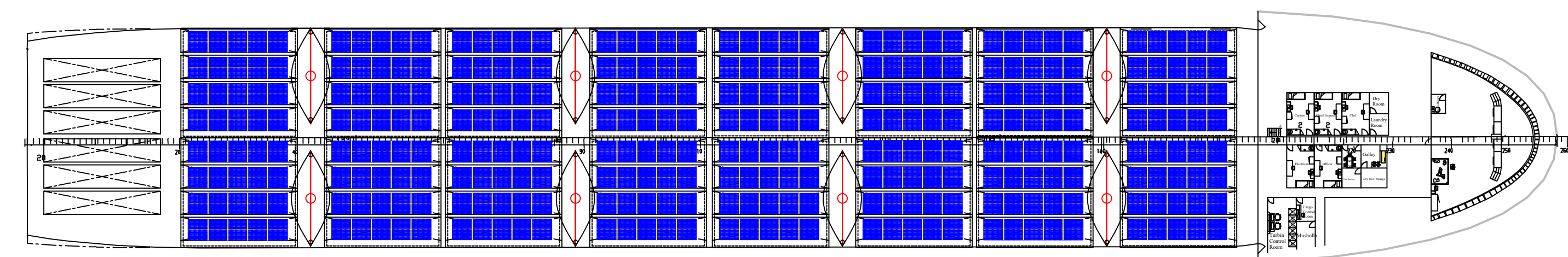
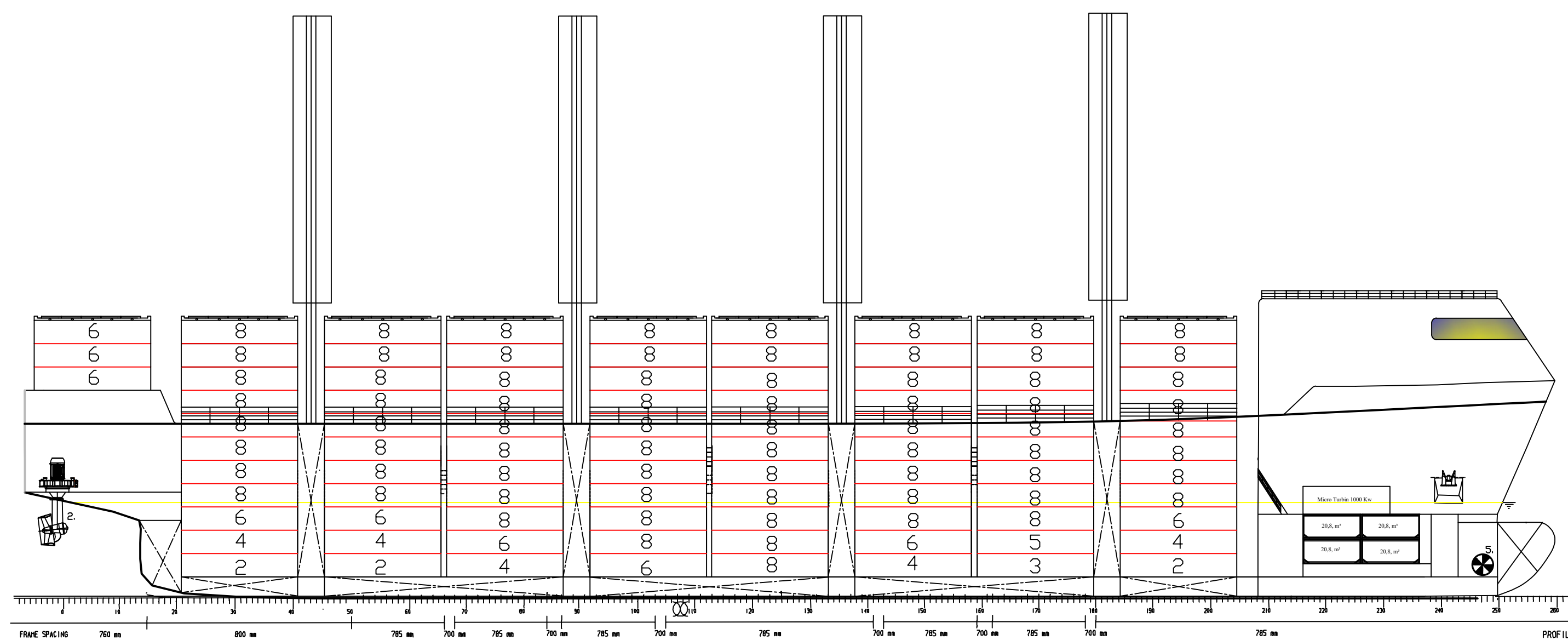
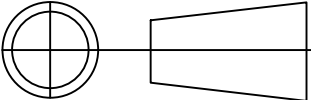




LIST OF MACHINE

|     |                      |     |                                          |
|-----|----------------------|-----|------------------------------------------|
| 20  |                      |     |                                          |
| 19  |                      |     |                                          |
| 18  |                      |     |                                          |
| 17  | PANEL SURYA          | 640 | 2,22 m <sup>2</sup>                      |
| 16  | WINDLASS             | 1   | 180 kW                                   |
| 15  | F/W SANITARY PUMP    | 2   | CENTR. 2 - 6.5 m <sup>3</sup> /h 0.75 kW |
| 14  | SW SANITARY PUMP     | 2   | CENTR. 2 - 6.5 m <sup>3</sup> /h 0.75 kW |
| 13  | BILGE PUMP           | 2   | 11 kW                                    |
| 12  | HYDROPHORE SPRINKLER | 2   | 1.5 kW 80 m <sup>3</sup> /h              |
| 11  | SEWAGE TREATMENT     | 1   | 5 m <sup>3</sup>                         |
| 10  | MAIN AIR RECEIVED    | 2   | 0,2145 m <sup>3</sup>                    |
| 9   | LAYAR                | 8   | 300 m <sup>2</sup>                       |
| 8   | Battery              | 1   | 1000 kWh                                 |
| 7   | AIR COMPRESSOR       | 2   | 5.5 kW                                   |
| 6   | CAPSTAN              | 2   | 6 kW                                     |
| 5   | BOW THRUSTER         | 1   | 393 kW                                   |
| 4   | BALLAST PUMP         | 2   | 100 kW                                   |
| 3   | FIRE & GS PUMP       | 2   | 9 kW                                     |
| 2   | DUCTED PROPELLER     | 2   | 500 kW, 1600 RPM                         |
| 1   | MICRO TURBIN         | 2   | 1000 kW                                  |
| No. | DESCRIPTION          | QTY | REMARKS                                  |

| PRINCIPAL PARTICULARS                                |                                                                                |
|------------------------------------------------------|--------------------------------------------------------------------------------|
| LENGTH O.A.                                          | 160.00 m                                                                       |
| LENGTH B.P.                                          | 147.60 m                                                                       |
| LENGTH W.L                                           | 147.87 m                                                                       |
| BREADTH MLD.                                         | 26.50 m                                                                        |
| DEPTH MLD.                                           | 17.70 m                                                                        |
| DRAFT DESIGN/SCANTLING                               | 9.75 m                                                                         |
| DISPLACEMENT (DESIGN/SCANTLING)                      | 26540.54 T                                                                     |
| CONTAINER CAPACITY (TOTAL/DECK/HOLD)                 | 664/274/390TUE                                                                 |
| MICRO TURBIN                                         | CAPSTONE C1000S                                                                |
| POWER                                                | 2 X 1000 kW                                                                    |
| COMPLEMENT                                           | 5 P.                                                                           |
| SERVICE SPEED (design draft/90% MCR, 15% sea margin) | abt 8.00 knots                                                                 |
| CLASS:                                               | 90 +100 AS A CONTAINER SHIP, SOLAS II-2, REG. 19 DANGEROUS GOODS +MC AUT NAV-0 |

|                                                                                       |                                                         |                                                                                       |                                                             |         |                                               |                                           |          |    |                |
|---------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------|---------|-----------------------------------------------|-------------------------------------------|----------|----|----------------|
|                                                                                       | METRIC                                                  |  | SHIP YARD                                                   |         |                                               |                                           |          |    |                |
|                                                                                       | HYBRID<br>METRIC/INCH                                   |                                                                                       | NAME                                                        | INITIAL | DATE                                          | <u>MV. UNSADA INDAH</u><br>CONTAINER SHIP |          |    |                |
|  | FAKULTAS TEKNOLOGI KELAUTAN<br>Teknik Sistem Perkapalan |                                                                                       | DRAWING BY :<br>ANDRIKA BUDI AGUNG W.S<br>JACKSON ROBERTO W |         |                                               | GENERAL ARRANGEMENT                       |          |    |                |
|                                                                                       |                                                         |                                                                                       | DRAWING BY :<br>ANDRIKA BUDI AGUNG W.S<br>JACKSON ROBERTO W |         |                                               |                                           |          |    |                |
|                                                                                       |                                                         |                                                                                       | CHECKED BY                                                  |         |                                               | TUGAS AKHIR/28/01/2020                    |          |    |                |
|                                                                                       |                                                         |                                                                                       | Ir. AYOM BUWONO, M.Si                                       |         |                                               |                                           |          |    |                |
|                                                                                       |                                                         |                                                                                       | Mutawar Munim, S.T M.Sc                                     |         |                                               | BALTI                                     |          |    |                |
|                                                                                       |                                                         |                                                                                       | APPROVED BY                                                 |         |                                               |                                           |          |    |                |
|                                                                                       |                                                         |                                                                                       | Ir. AYOM BUWONO, M.Si                                       |         |                                               |                                           |          |    |                |
|                                                                                       |                                                         |                                                                                       | Mutawar Munim, S.T M.Sc                                     |         |                                               |                                           |          |    |                |
| NEXT ASSY                                                                             |                                                         | USED ON                                                                               |                                                             |         | CODE : TSP/TA/2013/20009<br>TSP/TA/2013/20015 |                                           | NO SCALE | WT | SH 2 OF 3 / A1 |