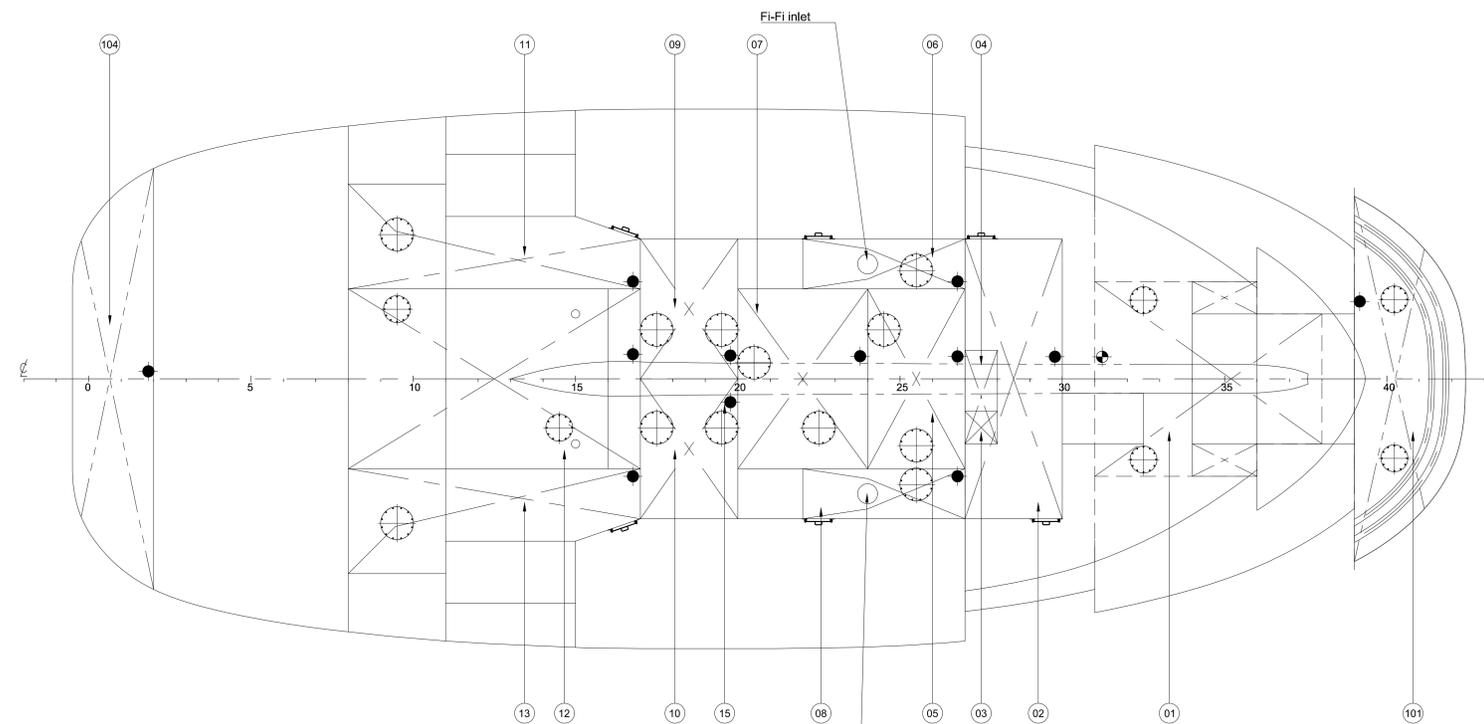
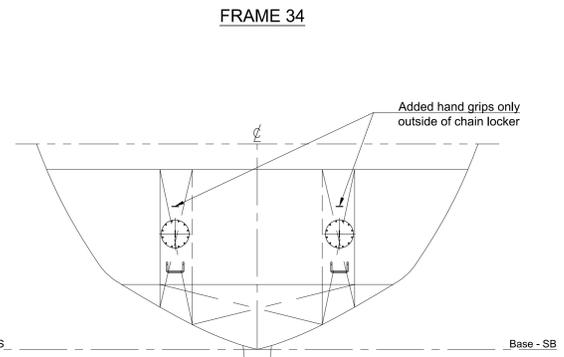
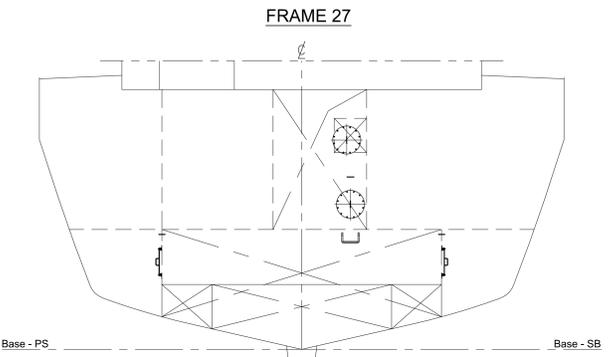
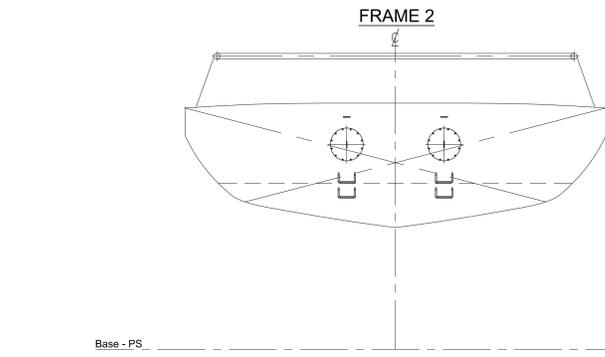
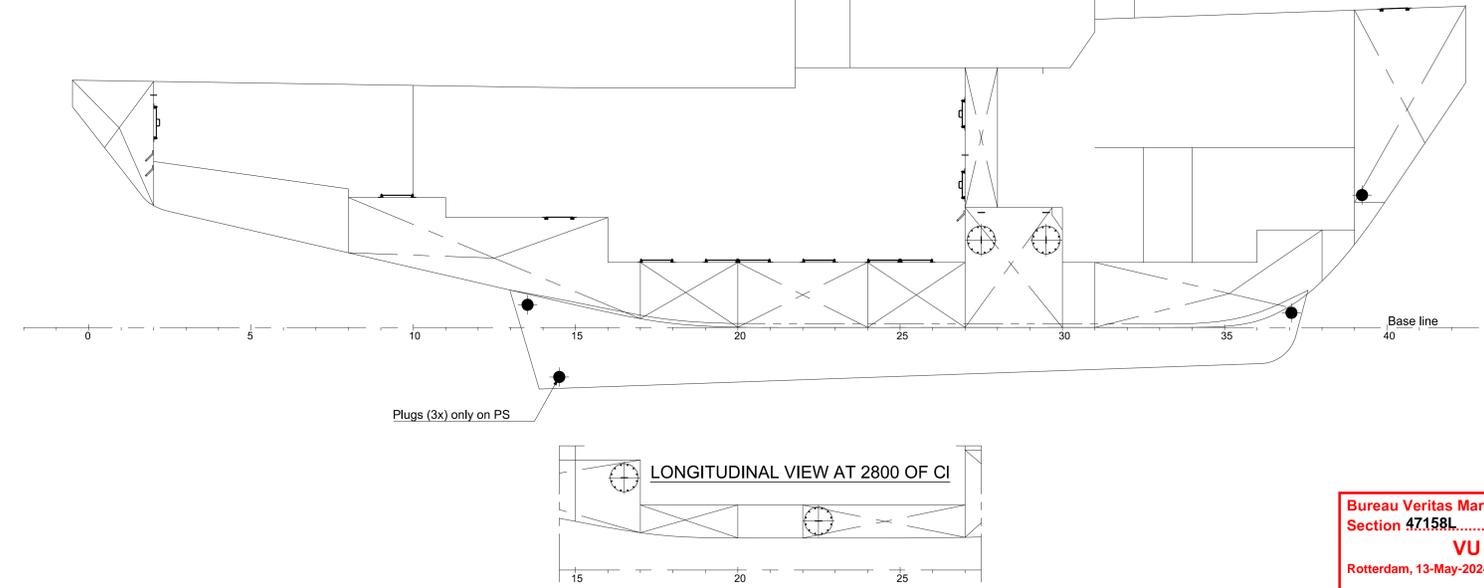


TOP VIEW TANK TOP



TOP VIEW FORECASTLE DECK

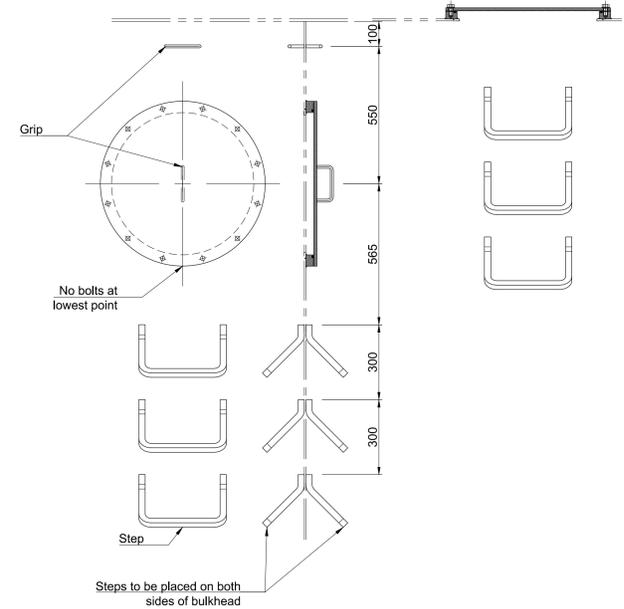
LONGITUDINAL VIEW



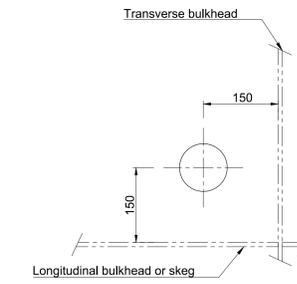
Bureau Veritas Marine & Offshore
 Section 47.158L.....
VU
 Rotterdam, 13-May-2024
 [Electronic document]
 The plan approval office

| Part No. | 008-01 | 008-02 | 007-01 | 005-01 005-02 | 004-01 | 003-01 | 010-01 | 009-01 | |
|---------------|-------------------|--------------|------------------------|------------------------|-------------|----------|-----------|------------------------|---------------------------|
| | | | | | | | | | |
| | C.o.550 | C.o.550 | C.o.450 | C.o.450 | | | | | |
| Nr. | Contents | Steel raised | Steel raised With grip | Steel raised With grip | Steel flush | Steps | Grips | Drainplugs Fresh Water | Drainplugs Oil/Fuel/Other |
| 01 | Fresh water | | | | 2 | | | 1 | |
| 02 | Fuel oil | | | 2 | | | 6 | | 1 |
| 03 | Fuel oil overflow | | | 1 | | | 1 | | |
| 04 | Fuel oil header | | | 1 | | 1 | 3 | | |
| 05 | Sewage | 2 | | | | | | | 1 |
| 06 | Lubrication oil | 1 | | 1 | | | 1 | | 1 |
| 07 | Foam | 2 | | | | | | | 1 |
| 08 | Dirty oil | 1 | | 1 | | | 1 | | 1 |
| 09 | Dispersant | 2 | | | | | | | 1 |
| 10 | Bilge water | 2 | | | | | | | 1 |
| 11 | Fuel oil PS | 1 | | 1 | | | 1 | | 1 |
| 12 | Fuel oil CL | | | | 2 | | | | 1 |
| 13 | Fuel oil SB | 1 | | 1 | | | 1 | | 1 |
| | Chain Locker PS | | | 1 | | 1 | 1 | | |
| | Chain Locker SB | | | 1 | | 1 | 1 | | |
| | Skeg | | | | | | | | 3 |
| 101 | Void (FWD) | | | | 2 | | | | 1 |
| 104 | Void (AFT) | | 2 | | | 4 | 6 | | 1 |
| Total: | | 12 | 2 | 10 | 6 | 7 | 22 | 1 | 15 |

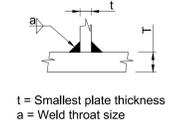
TYPICAL POSITION OF GRIPS AND STEPS
 Final position of steps also in consultation with Damen surveyor



POSITION OF DRAIN PLUGS



| t | a |
|-------------|-----|
| t ≤ 8 | 3.5 |
| 8 < t ≤ 10 | 4.5 |
| 10 < t ≤ 12 | 5 |
| 12 < t ≤ 14 | 6 |
| 14 < t ≤ 15 | 6.5 |
| 15 < t ≤ 18 | 7 |
| 18 < t ≤ 20 | 8 |



NOTE
 - All welding according welding table unless stated otherwise;
 - Sharp edges to be removed.

REFERENCE DOCUMENTS

| Function | Doc.nr | Class | Title |
|----------|-----------|---------|------------------------|
| 159 | 2684642 | INS-EXT | Bead weld marking plan |
| Function | Func.seq. | Class | Title |
| 110 | 010 | DRAW-2D | Tank arrangement |

| Rev | Date | Drawn | Checked | Revision text |
|-----|------------|-------|---------|-------------------|
| A01 | 26-10-2023 | NCO | LBL | Initially created |

Projection: **DAMEN** DAMEN SHIPYARDS GORINCHEM
 Format: A0
 Scale: 1:50
 Units: mm

Arrangement manholes and bottom plugs including steps and handgrips

Doc class DRAW-2D Drawn NCO Derived from
 Project No: 513233 Function 132 Sequence 001 Checked LBL Date 17-11-2023
 Yield No. Section/Compartment Document number Sheet Revision
 HB COPYRIGHT DAMEN SHIPYARDS GROUP 5498007 1 A01



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www.damen.com

The Netherlands

BILL OF MATERIAL

| | | | | | |
|--|---------------------|----------|-----------------|----------|------------|
| Arrangement manholes and bottom plugs | | | | Top Part | M132 |
| Project No. | 513233 | Function | 132 | Drawn | NCO |
| Yard No. | Section/Compartment | | Document number | 5498007 | Sheet |
| COPYRIGHT DAMEN SHIPYARDS GROUP | | | 5498007 | 1 | Revision |
| | | | | | A01 |
| | | | Check | LBL | Date |
| | | | | | 17-11-2023 |

| POS | PART | | DESCRIPTION | DOC NO |
|-----|---------|-------|---|---------|
| | QT. | UNITS | | SHT |
| 003 | 1005713 | | Step/handgrip, W=135mm, H=60mm, Round bar, Dbar=12mm, Welding, Steel S235JR (1.0038) | 1000140 |
| | 22 | pcs | | 1 |
| 004 | 1007320 | | Step, U-form, Square 25, Width int 300, Depth int 150, Steel S235JR (1.0038) | 1213198 |
| | 7 | pcs | | 1 |
| 005 | 1405290 | | ASSY, Manhole, Ring and cover, Round, D CO=450mm, t cover=10mm, Flush, PCD=500mm, n=12x, 14mm, 20mWc, Steel, Incl. O-ring and fas | 2782798 |
| | 6 | pcs | | 1 |
| 007 | 1405286 | | ASSY, Manhole, Ring and cover, Round, D CO=470mm, t cover=10mm, Surface mounting, PCD=520mm, n=12x, 14mm, 20mWc, Steel, Incl. O-r | 2782704 |
| | 10 | pcs | | 1 |
| 008 | 1405297 | | ASSY, Manhole, Ring and cover, Round, D CO=570mm, t cover=10mm, Surface mounting, PCD=620mm, n=12x, 14mm, 20mWc, Steel, Incl. O-r | 2782865 |
| | 14 | pcs | | 1 |
| 009 | 1468139 | | [W], Bottom Drain Plug, M42 x 2, Fuel and Oil Tanks, Housing, Steel | 3333247 |
| | 15 | pcs | | 1 |
| 010 | 1468140 | | [W], Bottom Drain Plug, M42 x 2, Water Tanks, Housing, Steel | 3333292 |
| | 1 | pcs | | 1 |

TransNo: TE-513233-00012-01 / Issue: For Approval / Date: 22-01-2024