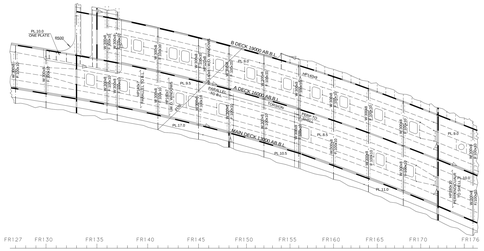
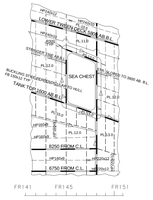



PROFILE PS




PROFILE PS

## MAIN PARTICULARS:

| | | |
|---|---|---|
| LENGTH OVER ALL | : | 146.0 m |
| LENGTH BETW. PERP. | : | 134.3 m |
| RULE LENGTH | : | 134.3 m |
| BREADTH | : | 30.00 m |
| DEPTH TO MAIN DECK | : | 13.00 m |
| DEPTH TO A DECK | : | 16.00 m |
| DEPTH TO B DECK | : | 19.00 m |
| SCANTLING DRAUGHT | : | 8.60 m |
| MIN. BALLAST DRAUGHT | : | 5.50 m |
| FRAME SPACING | : | 0.600,.70 m |
| DISPLACEMENT | : | ~25216 TON (T=8.60 m) |
| BLOCK COEFFICIENT C$_B$ | : | ~0.710 (T=8.60 m) |
| POWER OP PROPULSION | : | 3x3750 kW @ 120 rpm |
| SPEED | : | 14.0 KNOTS (T=8.50 m) |

## CLASS NOTATION:

DnV + 1A1 - E0 - DYNPOS-AUTR - DK(+) - CRANE
HELDK-SH - BIS - ConfrVIS CG1- SPS - SF
CLEAN DESIGN with NAUT-AW and RECYCABLE - BWM-T

## ANCHORING & MOORING EQUIPMENT:

| | | |
|---|---|---|
| EQUIPMENT NUMBER | : | EN = 2831 |
| EQUIPMENT LETTER | : | L sh |
| STOCKLESS ANCHORS | : | 2 x 8300 kg each (SPEK) |
| STUD LINK CHAIN CABLE | : | 70 mm NV K3, 632.5 m (TOTAL LENGTH) |
| TOWLINE | : | 260 m, MIN. BREAKING STRENGTH 1471 kN |
| MOORING LINES | : | 6x200 m, MIN. BREAKING STRENGTH 490 kN |

## MAIN DECK LOADS:

AFT OF FRAME 110 : 10t/m2

## LIQUID DENSITIES FOR SCANTLINGS:

| | |
|---|---|
| SEA WATER | 1.025 t/m3 |
| FRESH WATER | 1.025 t/m3 (1.000t/m3) |
| FUEL OIL | 1.025 t/m3 (0.950t/m3) |
| LUBRICATING OIL | 1.025 t/m3 (0.900t/m3) |
| BASE OIL | 1.025 t/m3 (0.850t/m3) |

## DESIGN BENDING MOMENTS

| | SAGGING | HOGGING |
|---|---|---|
| STILL WATER BENDING MOMENTS (RULE) | 427330 kNm | 521515 kNm |
| STILL WATER BENDING MOMENTS (LOADING CONDITIONS) MAXIMUM VALUE FROM 0.3L TO 0.6L | >/kNm | 925000 kNm* |
| DESIGN STILL WATER BENDING MOMENTS | 427330 kNm | 925000 kNm* |
| DESIGN WAVE BENDING MOMENTS (RULE) | 723174 kNm | 628999 kNm |
| DESIGN WAVE BENDING MOMENTS (BUOKLING) | 723174 kNm | 628999 kNm |
| DESIGN STILL WATER SHEAR FORCE (LOADING COND.) | 30000 kN | 30000 kN |

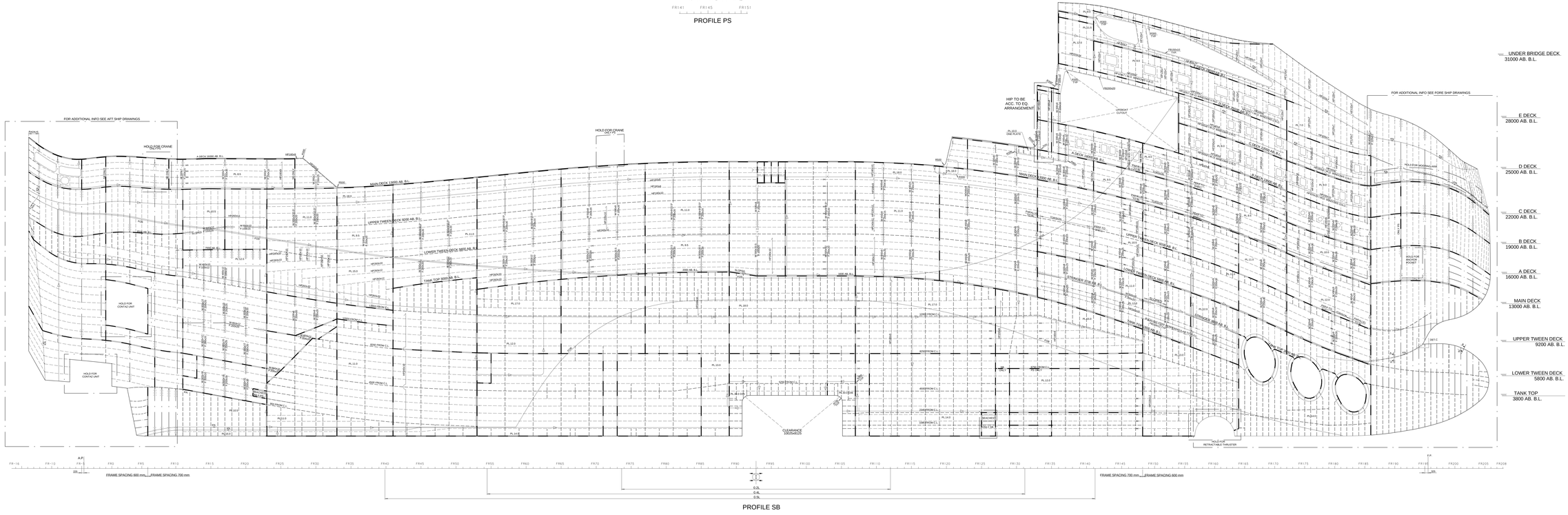
BENDING MOMENT DISTRIBUTION ACCORDING CLASSIFICATION SOCIETY RULES,
BUT NOT BELOW 10 % OF MAXIMUM WITHIN THE ENTIRE LENGTH OF THE SHIP.
HOGGING MOMENT DISTRIBUTION TO BE LINEARLY REDUCED FROM MAXIMUM AT 0.3L TO 15 % OF MAXIMUM AT 0.05L.

SHEAR FORCE DISTRIBUTION ACCORDING CLASSIFICATION SOCIETY RULES,
BUT NEVER BELOW 30 % OF MAXIMUM TOWARDS ENDS.
SHEAR FORCE TO BE LINEARLY REDUCED FROM 0.2L TO STERN.

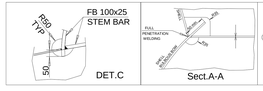
## HULL MATERIALS:

| | |
|---|---|
| STEEL IN GENERAL | : NVA |
| HEAVY BED PLATES t>=30mm | : NVD |

ALL MATERIAL FROM B-DECK AND BELOW IS TO BE NV-36 (355 N/mm²) U.N.O.
ALL MATERIAL ABOVE B-DECK IS TO BE NV-NS (235 N/mm²) U.N.O.



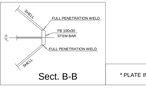

PROFILE SB




DET.C




Sect.A-A




Sect. B-B

* PLATE INSERT 1.5 M BELOW MAIN DECK

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|---|---|---|
| | | |
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| | | |
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| | | |
| | | |
| | | |
| CLASS ID: | D33802 | |
| IMO NUMBER: | | |

CLASS : DET NORSKE VERITAS (JAN 2013)
★1A1, DG SHIP(SLAUTR) DK(+) CRANE
HELDK-SH, BIS,ConfrVIS CG1, SPS,BF CLEAN
DESIGN with NAUT-AW and RECYCLABLE,BWM-T

| REV. | DATE | TEXT |
|---|---|---|
| | 13.12.2013 | ISSUED FOR APPROVAL |

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| | | | Reviewed | Checked | Appr |

| | | | |
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| TYP. | 823-350-003 | SHEET | 1 of 1 |
| DATE | 13.12.2013 | DRAWN | JES |
| DATE | 13.12.2013 | CHKD BY | JES |
| DATE | | APPRD | |

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