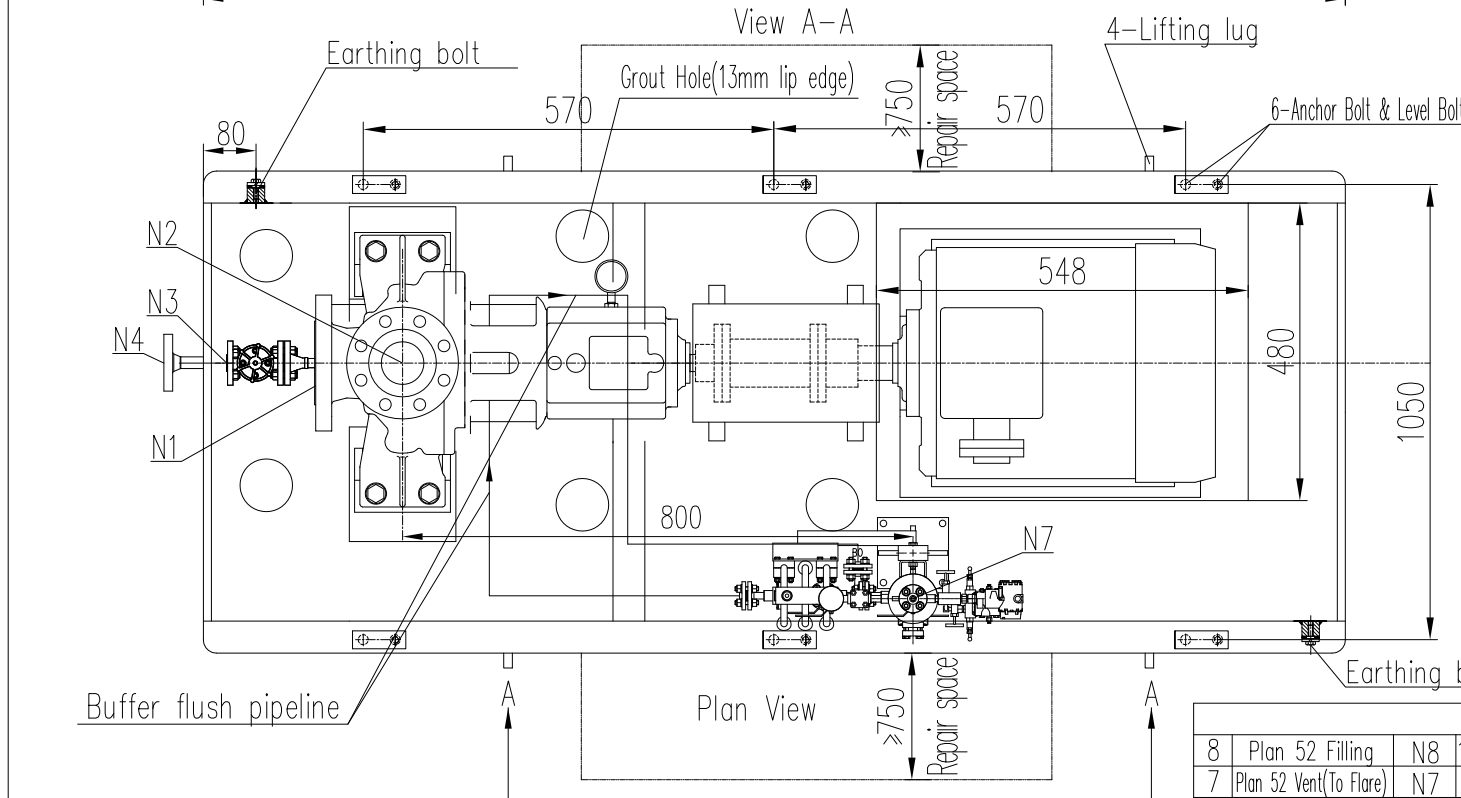
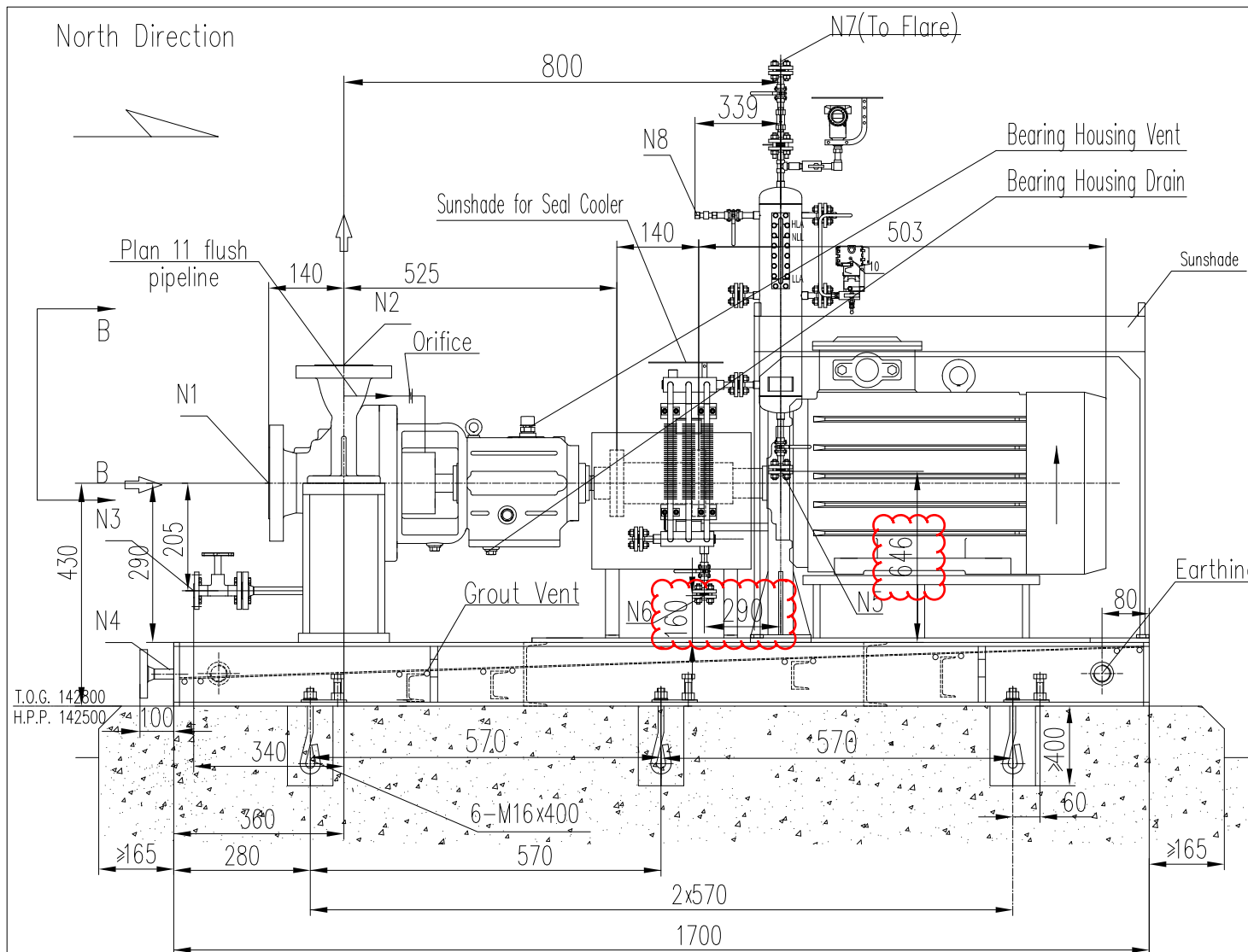
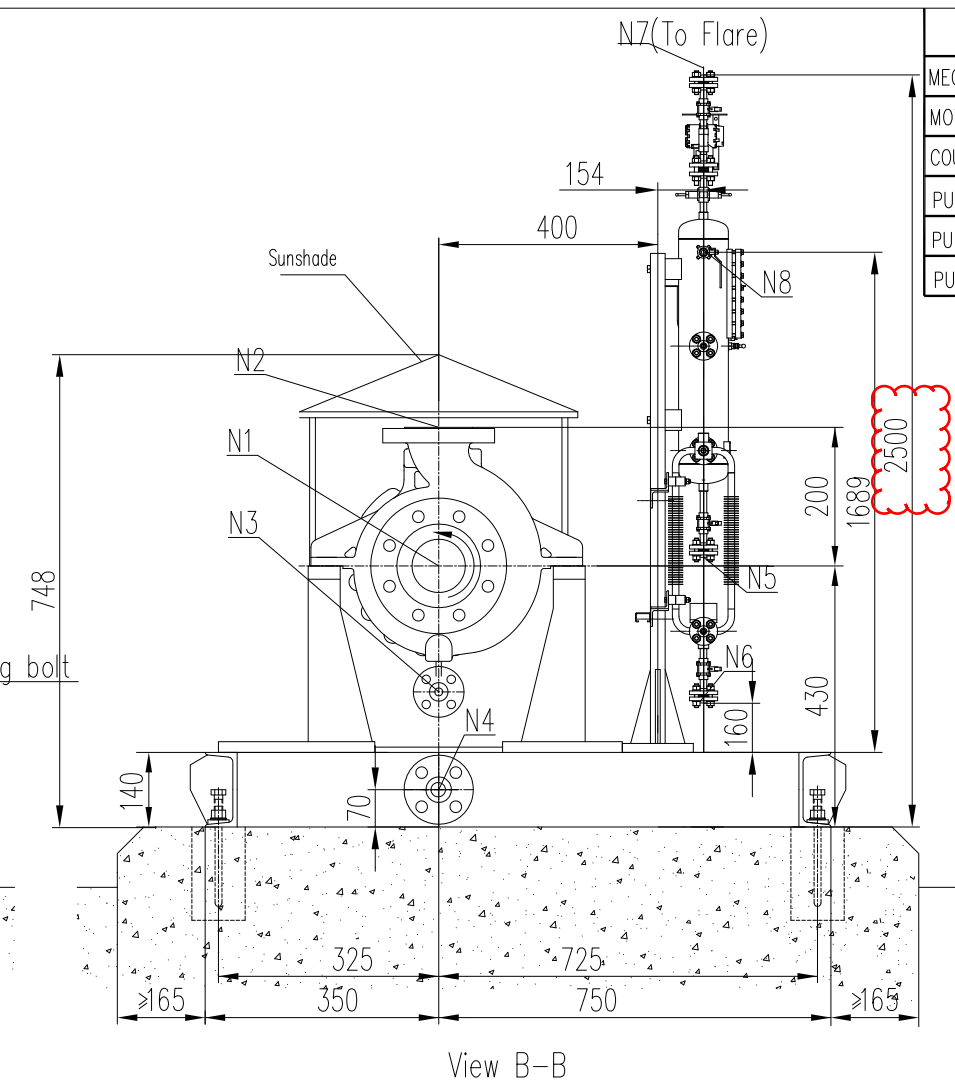


North Direction



| WEIGHT | Anchor Bolt Detail | Earthling bolt detail | PUMP END | LIFTING LUG |
|--------------|--------------------|-----------------------|----------|-------------|
| Total | 565 | | | |
| Skid weight | 240 | | | |
| Aux. weight | 95 | | | |
| Motor weight | 98 | | | |
| Pump weight | 132 | | | |

| Nozzle information | | | | | |
|--------------------|-------------------------|------|---------------------------|----------|--------|
| 8 | Plan 52 Filling | N8 | 1 1/2" Quickly connection | | |
| 7 | Plan 52 Vent (To Flare) | N7 | 1 1/2" ASME B16.5-09 | Class600 | RF |
| 6 | Plan 52 Cooler Drain | N6 | 1 1/2" ASME B16.5-09 | Class600 | RF |
| 5 | Plan 52 Drain | N5 | 1 1/2" ASME B16.5-09 | Class600 | RF |
| 4 | Baseplate Drain | N4 | 1" ASME B16.5-09 | Class150 | RF |
| 3 | Pump Drain | N3 | 3/4" ASME B16.5-09 | Class300 | RF |
| 2 | Pump Discharge | N2 | 1" ASME B16.5-09 | Class300 | RF |
| 1 | Pump Suction | N1 | 1-1/2" ASME B16.5-09 | Class300 | RF |
| NO. | Nozzle | Sign | NPS | Standard | Rating |
| | | | | | Face |



Note:
1. The weight of maximum maintenance part is 50.7 kg(assembled bearing housing)
2.Leveling pads(SS) will be supplied by vendor (qty.=anchor bolt qty)


| LIFTING INFORMATION | | |
|---------------------|----|------|
| Pump | AX | 412 |
| AY | AZ | 415 |
| Motor | BX | 1245 |
| BY | BZ | 420 |
| Unit | CX | 635 |
| CY | CZ | 350 |

| Nozzle load,Force(N)/Moment(N.m) | | |
|----------------------------------|------|------|
| DN1 | Fx | Fy |
| | 1780 | 1420 |
| | Mx | My |
| | 920 | 460 |
| | Fz | Fz |
| | 1420 | 1160 |
| DN2 | Mx | My |
| | 920 | 460 |

NGL-CT-1-0000-ME-PO-0014-D0

| REFERENCE DRAWING | DWG. NO. |
|---------------------------|-----------------------|
| MECH. SEAL SYSTEM DRAWING | NGL-V-0014-ME-DW-2007 |
| MOTOR OUTLINE DRAWING | NGL-V-0014-ME-DW-2009 |
| COUPLING DRAWING | NGL-V-0014-ME-DW-2008 |
| PUMP DATA SHEET | NGL-V-0014-ME-DT-2013 |
| PUMP CROSSSECTION DRAWING | NGL-V-0014-ME-DW-2005 |
| PUMP P&ID | NGL-V-0014-ME-PD-2018 |


| PUMP INFORMATION | |
|------------------|-------------------------------------|
| Item No.: | P-3112-04 A/S |
| Service: | Condensate Pump |
| Model: | EAP 25-200-35-IA |
| Seal Plan: | 11+52 |
| Flow/Head | 6.6m3/h & 20.98m |
| Motor: | 4KW - 2P |
| Rotation: | Clockwise viewed from the drive-end |
| No of Stages: | 1 |

| | |
|--|--|
| Code1 | <input type="checkbox"/> (Approved): No comment and release for Manufacturing (Document to be stamped as Final for considering in Vendor Data Book) |
| Code2 | <input type="checkbox"/> (Approved with Comments): VENDOR/Sub-Contractor shall correct/revise document and issue it as "FOR APPROVAL" (Work May Be Proceeded) |
| Code3 | <input type="checkbox"/> (Commented): VENDOR/Sub-Contractor shall correct /revise and resubmit it as "FOR APPROVAL" of the date documents specified (Corrected to be resubmitted before starting to manufacture. |
| No Code | <input type="checkbox"/> CONSULTANT and PURCHASER check results on Class 2 documents will be returned without any CODE. VENDOR/Sub-Contractor shall correct/revise document and issue it as "FOR INFORMATION" |
| The above checking result by OIEC shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing | |
|  | |
| DATE : | |
| DEPT: | |
| Signature : | |

| Static loading calculation results | | Dynamic loading calculation results | |
|------------------------------------|----------------|-------------------------------------|----------|
| FXstatic= | 3200/-3200 N | FXdynamic= | 0/0 N |
| FYstatic= | 2580/-2580 N | FYdynamic= | 14/-14 N |
| FZstatic= | -1830/-7710 N | FZdynamic= | 14/-14 N |
| MXstatic= | 3146/-3146 N*m | MXdynamic= | 18/7 N*m |
| MYstatic= | 4683/-4358 N*m | MYdynamic= | 8/-8 N*m |
| MZstatic= | 3198/-3198 N*m | MZdynamic= | 8/-8 N*m |

Note:
Location of Loads & Moments Calculation is the geometric center of baseplate lower surface.

| | | | | | | |
|----|----------|---------------------|----|-----|-----|--------------|
| D5 | 26.3.19 | ISSUED FOR APPROVAL | NZ | T.H | R.C | B.KHODADADEH |
| D4 | 6.3.19 | ISSUED FOR APPROVAL | NZ | T.H | R.C | B.KHODADADEH |
| D3 | 23.2.19 | ISSUED FOR APPROVAL | NZ | T.H | R.C | B.KHODADADEH |
| D2 | 22.1.19 | ISSUED FOR APPROVAL | NZ | T.H | R.C | B.KHODADADEH |
| D1 | 20.12.18 | ISSUED FOR APPROVAL | NZ | T.H | R.C | B.KHODADADEH |
| D0 | 03.09.18 | ISSUED FOR APPROVAL | NZ | T.H | R.C | B.KHODADADEH |

| REV. | DATE | DESCRIPTION | PREP | CHECK | APPROVAL | OIEC APP. |
|---|------------|----------------|-------|-----------|-----------|------------|
| Project Title: NGL 3100 PROJECT | | | | | | |
| Contractor:  | | | | | | |
| STATUS CODE: A=Comment/Review B=Approval C=Final Issue | | | | | | |
| Pump General Arrangement Drawing For Condensate Pump P-3112-04 A/S | | | | | | |
| OWNER DRAWING NUMBER | | | | | | |
| Project Name | Originator | PO Serial No. | Disc. | Doc. Type | Seq No. | Rev. |
| NGL | V | 0014 | ME | DW | 2003 | D5 |
| OIEC DRAWING NUMBER | | | | | | |
| Project Code | Source | Unit & Section | Phase | Disc. | Doc. Type | Serial No. |
| | | | | | | |