

1. LAYOUT DRAWING

Document No.

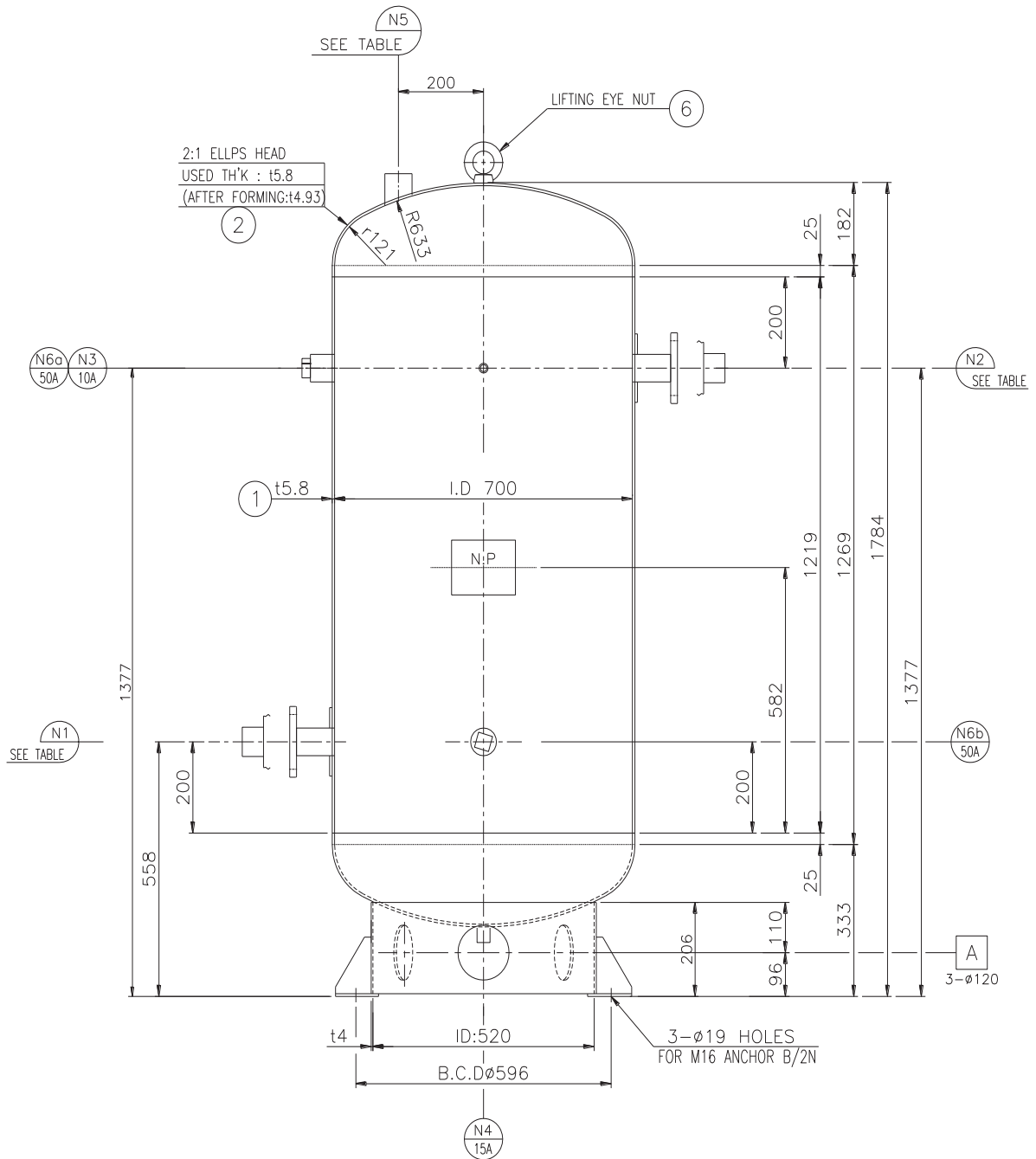
Rev.

Page

YJAT-600L-AM

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| 2. DESIGN CONDITION (설계조건) | Document No. | Rev. | Page |
| | YJAT-600L-AM | 0 | - |

VOLUME : 0.6 m³

| No. | DESCRIPTION | DESIGN DATA | 참고사항 |
|----------|------------------------------------|------------------------|-------------------------------|
| 1 | APPLICATION CODE(적용규격 코드) | ASME SEC.VIII, DIV.1 | |
| 2 | VESSEL TYPE(압력용기 타입) | VERTICAL | |
| 3 | FLUID(사용유체) | AIR or N ₂ | |
| 4 | DESIGN PRESSURE(설계압력) | INTERNAL | 0.98 Mpa |
| | | EXTERNAL | 0 Mpa |
| 5 | OPER. PRESSURE(사용압력) | 0.88 Mpa | |
| 6 | DESIGN TEMPERATURE(설계온도) | INTERNAL | 100 °C |
| | | EXTERNAL | - °C |
| 7 | OPER. TEMPERATURE(사용온도) | INTERNAL | AMB. °C |
| 8 | HYDRO. TEST PRESSURE(수압시험 압력) | 1.274 Mpa | |
| 9 | PNEU. TEST PRESSURE(공기압시험 압력) | N.A Mpa | |
| 10 | HEAD TYPE (경판형상) | 2 : 1 ELLIPSOIDAL HEAD | |
| 11 | RADIOGRAPHIC EXAMINATION 비파괴 검사 | SHELL : E1 | LONGITU'L JOINT NO |
| | | SHELL : E2 | CIRCUM'L JOINT NO |
| | | HEAD | N.A |
| 12 | JOINT EFFICIENCY (용접효율) | SHELL : E1 | LONGITU'L JOINT 0.70 |
| | | SHELL : E2 | CIRCUM'L JOINT 0.65 |
| | | HEAD | 0.85 |
| 13 | PWHT [S / H / H (S.R 처리)] (후열처리) | N.A / N.A / N.A | * S.R 처리 : Stress Reallies |
| | IMPACT & THERMAL LOAD, ETC | N/A | |
| 14 | CORROSION ALLOWANCE(부식여유) | 1.0 mm | |
| 15 | SHELL INSIDE DIAMETER(동체내경) | 700 mm | |
| 16 | M. A. W. P. | NEW & COLD | - |
| | | HOT & CORR. | - |
| 17 | LOCATION | INDOOR / OUTDOOR | |
| 18 | WEIGHT(무게) | ERECTION | 228 Kg |
| | | OPERATING(사용) | 228 Kg |
| | | FULL WATER(수압) | 826 Kg |
| 19 | MATERIAL (재질) | | |
| | - SHELL | SS400 | 114 N/mm ² |
| | - HEAD | SS400 | 114 N/mm ² |
| | - NOZZLE PIPE | SPP(E) | 61 N/mm ² |
| | - NOZZLE FLANGE | SS400 | 114 N/mm ² |
| | - SUPPORT | SS400 | 114 N/mm ² |
| | - EXT. BOLT /NUT | SNB7/S45C | 130 / 122 N/mm ² |
| | - LIFTING LUG | SS400 | 114 N/mm ² |
| - GASKET | NON-ASBESTOS | - | |

HYDRO. TEST PRESSURE: $P \times 1.3 \times \frac{114}{114} = 1.274 \text{ Mpa}$