



| MATERIAL LIST |                    |              |          |   |
|---------------|--------------------|--------------|----------|---|
| ITEM          | DESCRIPTION        | MATERIAL     | QUANTITY | REMARK                                      |
| 1             | END CLOSURE        | A 694 GR FG5 | 1        | QUICK OPENING : 600 NB x 900                |
| 2             | MAJOR BARREL       | API 5L X 65  | 1        | PIPE : 24"NB x 25.4mm THK                   |
| 3             | MINOR BARREL       | API 5L X 65  | 1        | PIPE : 18"NB x 20.6mm THK                   |
| 4             | CONCENTRIC REDUCER | WPHY 65      | 1        | CONC. REDUCER : 24" x 18" (25.4mm x 20.6mm) |

**GENERAL NOTES**

- ALL FLANGE BOLT HOLES TO STRADDLE NORMAL CENTRELINES UNLESS OTHERWISE STATED.
- PRIOR TO DELIVERY, ALL FLANGED OPENINGS TO BE BLANKED OFF.
- DRAFT TOOL AS SHOWN SHALL BE PASSED THROUGH THE RECEIVER TO CHECK LD. OF MINOR BARREL.
- ALL FILLET WELDS TO BE CARRIED OUT WITH MAGNETIC PARTICLE OR DYE PENETRATION TEST.
- ALL FILLET WELDS TO APPROVED WPS.
- UPON COMPLETION OF PAINTING, ALL TELL-TALE HOLE TO BE GREASED AND PLUGGED PRIOR TO DELIVERY.
- ALL NOZZLES TO BE PERPENDICULAR TO THE CENTERLINES.
- END CLOSURE SHALL BE BANDLOCK TYPE 2.
- THE QUICK OPENING SHALL BE OPENED FROM LEFT TO RIGHT.
- PAINTING SPECIFICATION AS PER GS-19-1-2.

| COATING SYSTEM |                                | DFT (MICRON) |
|----------------|--------------------------------|--------------|
| 1ST COAT       | EPOXY ZINC PRIMER              | 75           |
| 2ND COAT       | HIGH SOLIDS EPOXY MASTIC       | 150          |
| 3RD COAT       | ACRYLIC ALIPHATIC POLYURETHANE | 65-70        |
|                | TOTAL                          | 290-295      |

| XPS  | -    | -         | 1         | -           | PIG SIGNAL                  | 470                | -                        |
|------|------|-----------|-----------|-------------|-----------------------------|--------------------|--------------------------|
| PSV  | 50   | SCH 160   | 1         | 900# RTJ    | FLANGEDELET                 | P.S.V              | 455                      |
| P1   | 50   | SCH 160   | 1         | 900# RTJ    | FLANGEDELET                 | PRESSURE INDICATOR | 454                      |
| W    | 50   | SCH 160   | 1         | 900# RTJ    | FLANGEDELET                 | WATER FILLING      | 455                      |
| F    | 200  | SCH 160   | 1         | 900# RTJ    | WELDOLET + FLANGE           | OUTLET             | 592                      |
| E    | 50   | SCH 160   | 1         | 900# RTJ    | FLANGEDELET                 | VENT               | 455                      |
| D2   | 50   | SCH 160   | 1         | 1500# RTJ   | WELDOLET + REDUCER + FLANGE | CLOSED DRAIN       | 500                      |
| D1   | 50   | SCH 160   | 1         | 1500# RTJ   | WELDOLET + REDUCER + FLANGE | CLOSED DRAIN       | 576                      |
| C    | 50   | SCH 160   | 2         | 900# RTJ    | FLANGEDELET                 | OPEN DRAIN         | 454                      |
| B2   | 50   | SCH 160   | 1         | 900# RTJ    | FLANGEDELET                 | BALANCE LINE       | 378                      |
| B1   | 50   | SCH 160   | 2         | 900# RTJ    | FLANGEDELET                 | BALANCE LINE       | 454                      |
| A    | 450  | 20.6t     | 1         | 900# RTJ    | WRRTJ                       | INLET              | -                        |
| MARK | SIZE | THK./SCH. | NO. RECD. | FLG. RATING | FLG. TYPE                   | SERVICE            | PROJ. CL. VESSEL TO FACE |
|      |      |           |           |             |                             |                    | REMARKS                  |

| RADIOGRAPHIC EXAMINATION        |                    | FULL            | EMPTY WEIGHT            | 3700 kg     |
|---------------------------------|--------------------|-----------------|-------------------------|-------------|
| CORROSION ALLOWANCE (INT./EXT.) |                    | 3.1 mm          | OPERATING WEIGHT        | 5400 kg     |
| ALLOWABLE STRESS                | SHELL/TUBE         | 44825 kpog      | F.W./H.T. WEIGHT        | 5400 kg     |
|                                 | HEAD               | N/A             | FIRE PROOFING           | NO          |
| JOINT EFFICIENCY                | SHELL              | 1.0             | Thermal INSULATION      | NO          |
|                                 | HEAD               | 1.0             | PAINTING                | GS 19-1-2   |
| TEST PRESSURE                   | HYDROSTATIC        | 22500 kpog      | MDMT                    | -29° C      |
|                                 | PNEUMATIC          | N/A             | Surface AREA            | 12.79 m²    |
| DESIGN                          | PRESSURE           | 15000 kpog      | CAPACITY                | 1.70 m³     |
|                                 | TEMPERATURE        | 100° C / -29° C | SPECIFIC GRAVITY        | -           |
| OPERATING                       | PRESSURE           | 1800 kpog       | FLUID                   | HYDROCARBON |
|                                 | TEMPERATURE IN/OUT | 24° C           | Surface PREPARATION     | SA 2½       |
| DESIGN CODE                     | ASME B31.8 2003    |                 | POSTWELD HEAT TREATMENT | NO          |
|                                 | INSPECTION         |                 |                         |             |

| EXXONMOBIL EXPLORATION AND PRODUCTION MALAYSIA, INC.<br>(992953-X) |           |             |          |                |      |                    |   |
|--|-----------|-------------|----------|----------------|------|--------------------|---|
| 2V-803<br>RECEIVER   |           |             |          |                |      |                    |   |
| GUNTONG-E PLATFORM<br>WEST MALAYSIA                                |           |             |          |                |      |                    |   |
| SCALE  | N.T.S.    | DATE        | APRIL 08 | DRN.           | BY   | CHKD               | PROJ. ENGR.   |
|  |           |             |          |                |      |                    |   |
| AMB/P388-203 NAMEPLATE DETAIL DRAWING                              |           |             |          |                |      | REFERENCE DRAWINGS |   |
| 0 APRIL 08 AS-BUILT (GUE-05)                                       | SIM       | YKM         | YKM      | MN             | AS   | MKY                | AMB/P388-202 NOZZLE & MISCELLANEOUS DETAILS DRAWING |
| No. DATE   | REVISIONS | BY          | CHKD     | DFIG           | ENGR | PROJ. ENGR         | DRAWING No.   |
|  |           |             |          |                |      |                    |   |
| ExxonMobil   |           | PROJECT No. |          | DRAWING NUMBER |      | REV.               |   |
|  |           | GUE-06      |          | 33-20-001      |      | O                  |   |