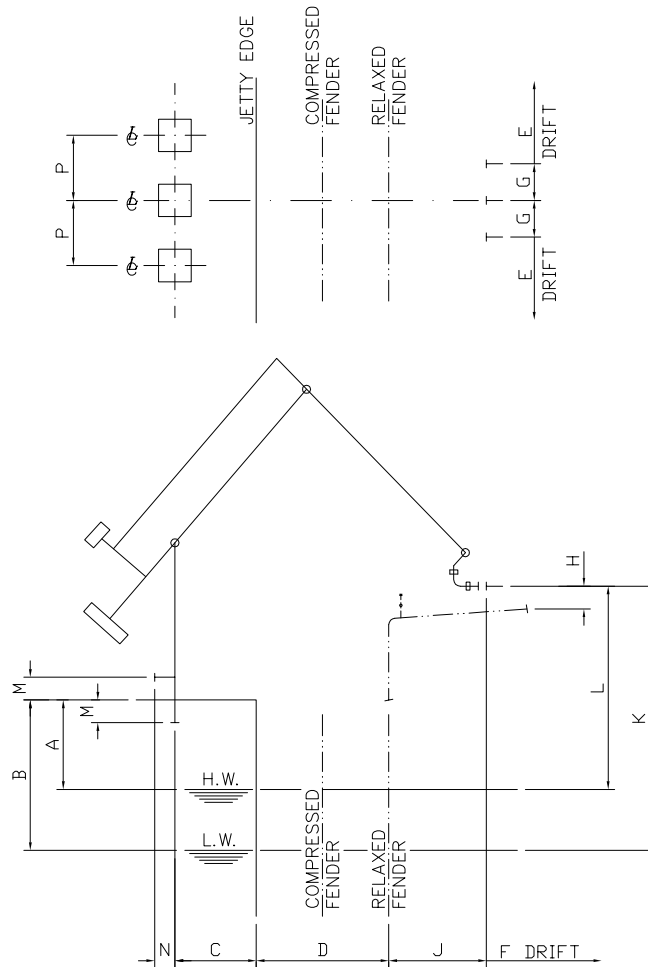
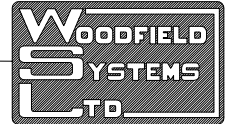


Installation Design Data Sheet



| DWT OF TANKER | MIN. | MAX. |
|-------------------------------------|-------------|-------------|
| A Jetty deck to high water | | |
| B Jetty deck to low water | | |
| C Centres line arm to edge of jetty | | |
| D Fender distance | Relaxed | Compressed |
| E Longitudinal Drift | | |
| F Outward Drift | | |
| G Manifold Centres | Min. | Max. |
| H Manifold height above deck | Min. | Max. |
| J Side of vessel to manifold | Min. | Max. |
| K Flange height laden tanker | | |
| L Flange height unladen tanker | | |
| M Outlet | Above jetty | Below Jetty |
| N Flange distance | | |
| P Loading arm centres | | |