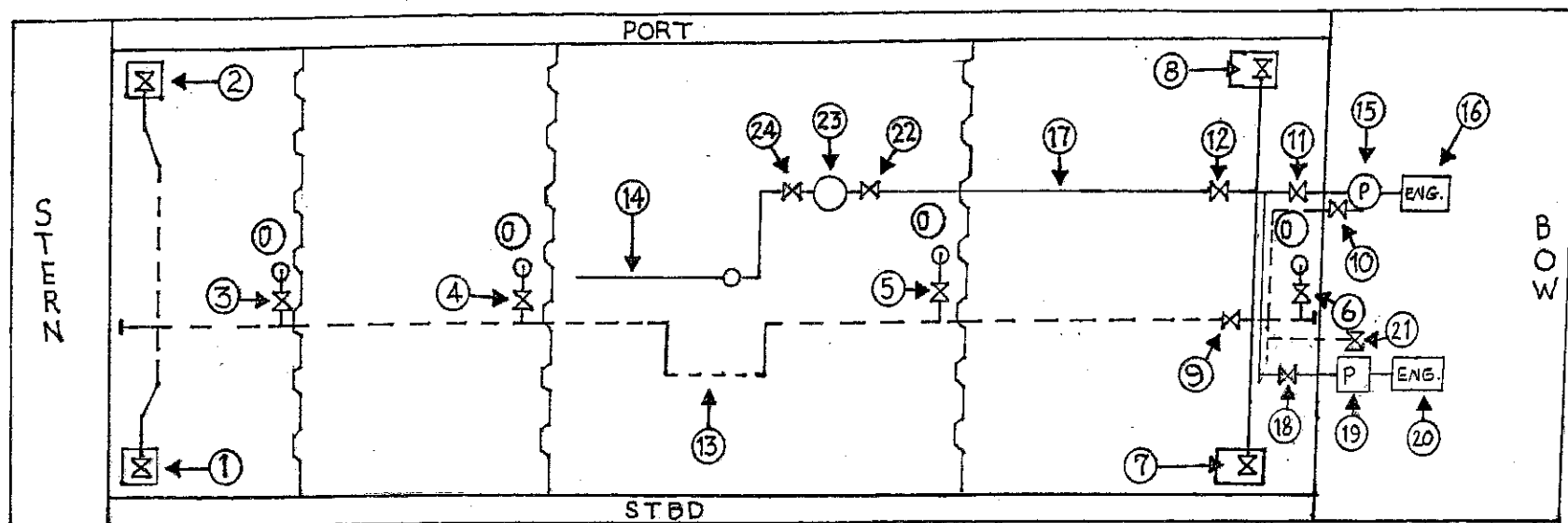


PBL 1101
PIPING DIAGRAM



- | | | | |
|-----|------------------------------------|-----|-----------------------------|
| 1. | Stbd. Load/Disc Header Valve Stern | 13. | 10" Below Deck Pipeline |
| 2. | Port Load/Disc. Header Valve Stern | 14. | Bunker Boom |
| 3. | No. 4 Tank Load/Disc Valve | 15. | Deepwell Pump |
| 4. | No. 3 Tank Load/Disc Valve | 16. | Deepwell Pump Engine |
| 5. | No. 2 Tank Load/Disc Valve | 17. | 6" Above Deck Pipeline |
| 6. | No. 1 Tank Load/Disc Valve | 18. | Blackmar Pump Disc Valve |
| 7. | Stbd Bow Load/Disc Header Valve | 19. | Blackmar Pump |
| 8. | Port Bow Load/Disc Header Valve | 20. | Blackmar Pump Engine |
| 9. | Load Line Valve | 21. | Blackmar Pump Suction Valve |
| 10. | Deepwell Suction Valve | 22. | Block Valve to Meter |
| 11. | Deepwell Disc Valve | 23. | Meter |
| 12. | Boom Disc/Block Valve | 24. | Block Valve to Boom |