

## Naval Architect Analysis Checklist

Ensure the report covers each topic required by EM385-1-1

### Naval Architect Notes:

- Crane Manufacturer and Serial Number
- Crane Configuration with Counterweight
- Reference to EM385-1-1
- Vessel Draft and Trim Limits
- Vessel Motion Limits
- Deck Cargo Allowance (if applicable)
  - Weight
  - VCG
  - Sail Area
  - LCG
- Maximum Wind Speed (40 MPH)
- Environmental Limits
- LHE Machine List and Trim Limits
- Vessel Condition (dry bilges, watertight, ballast, etc)
- PE Stamp


*For vessels with multiple load charts, the naval architect analysis MUST address the specific conditions under which each can be used. Load charts with unique loading conditions must have individual draft and trim limits identified.*

### Safe Working Load Chart

- Safe working loads vs. radius with boom angles
- Configuration
  - Boom Length
  - Counterweight
  - Parts of Wire
  - Block Size
- Machine Out of Level Limits
- Vessel Draft and Trim Limits
- Operational Limits (360 rating vs over the stern or otherwise)
- Wind and Environmental Conditions
- Deck Load Limits
- PE Stamp


**PREPARED BY:**