ROGER REVELLE
CTD Handling System

CTD Handling System Design Goals

– Overboard CTD/ Rosette

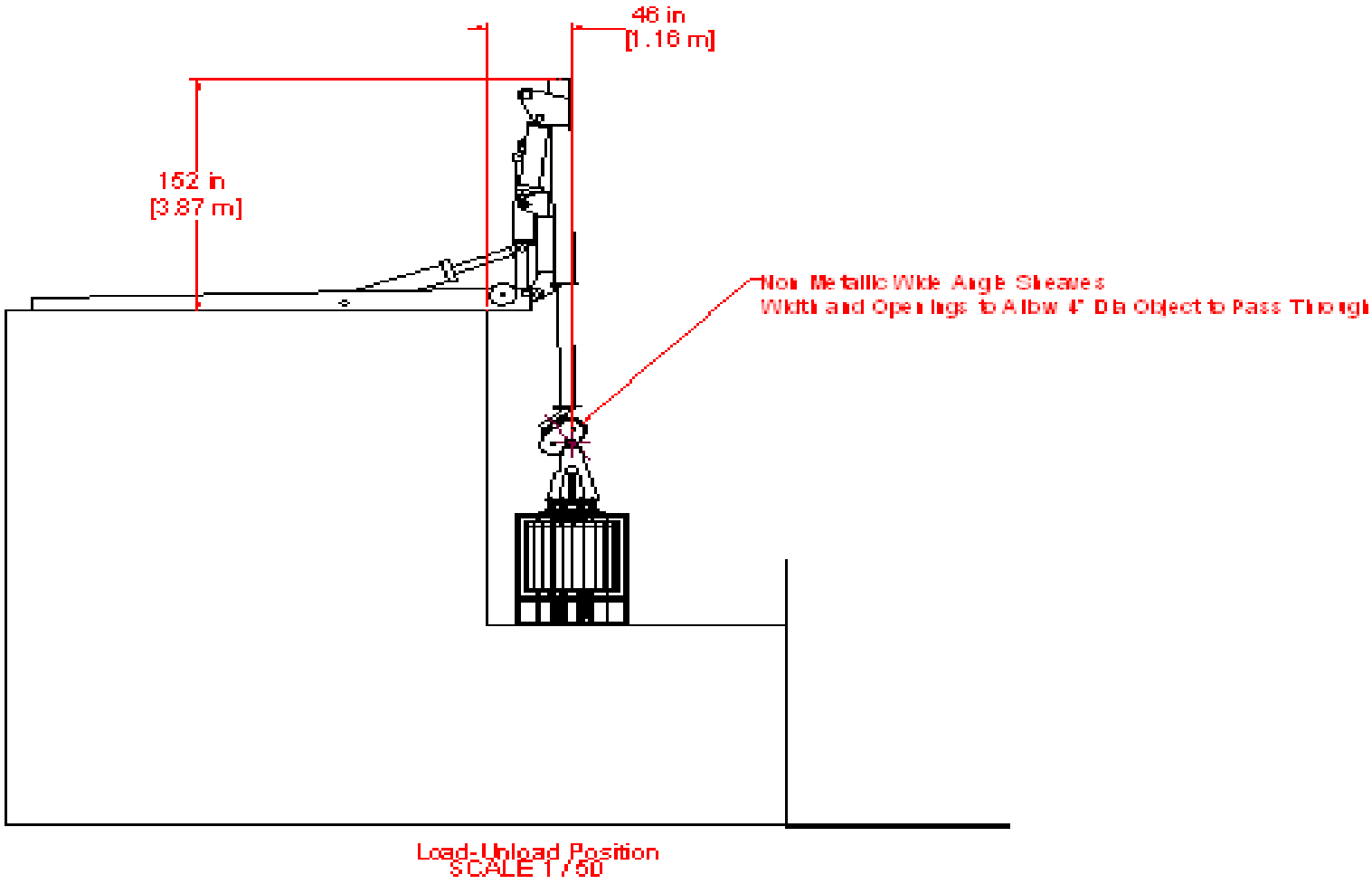
- without the use of tag lines
- single operator

- Automated control feature and active motion compensation functions
  - improve shipboard safety during over-boarding operations
  - improve data by decoupling ship and CTD motion
  - extend life of electro-mechanical cables.

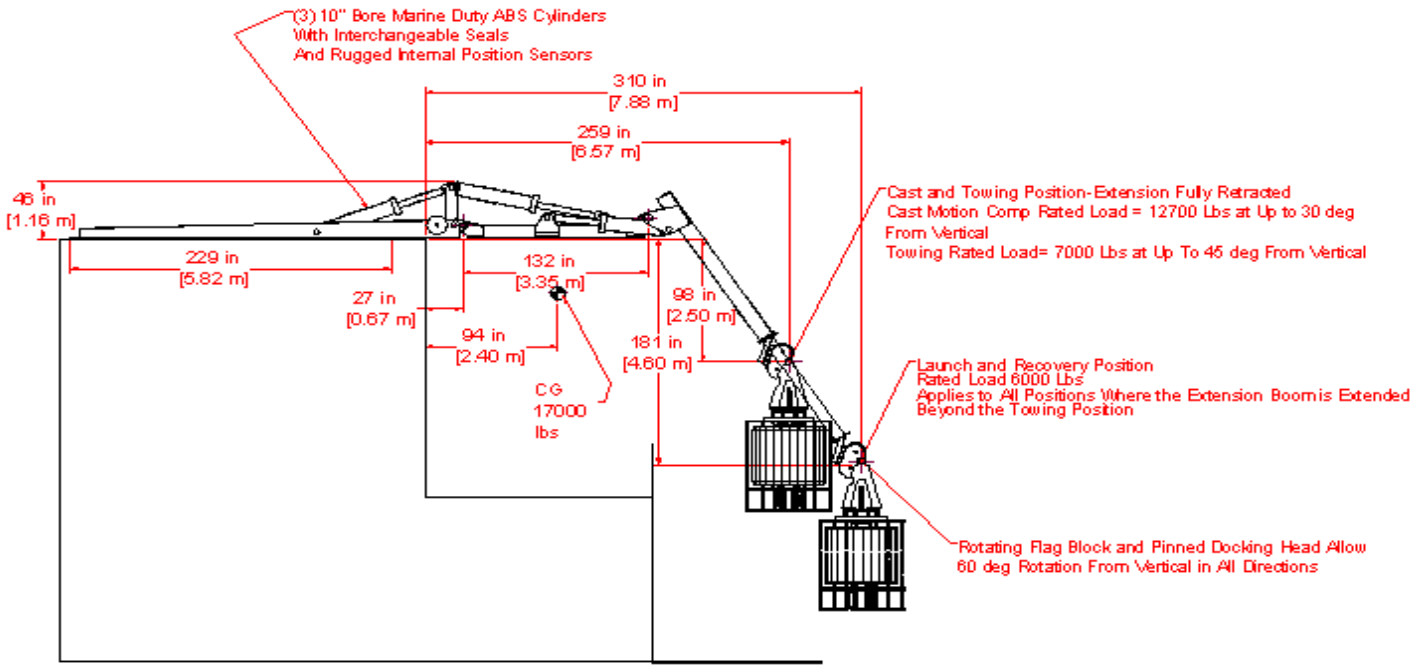
Major System Components

- Markey CAST6-125 Deep Sea Research Winch
  - active motion compensation controls
- Integrated with Allied Systems CTD handling system & anti-pendulation CTD docking head
- System fully conforms to
  - 46CFR-Subpart 189.35—Weight Handling Gear (for Oceanographic Vessels)
  - Research Vessel Safety Standards Appendix A – "UNOLS Rope and Cable Safe Working Load," and Appendix B – "UNOLS Load Handling System Design Standards."

Stowed Position



Launch and Recovery



Docking Head

Milestones

- Final System Design Review: 6 August 2011
- Major Component Complete: 23 November 2011
- Factory Testing: 23 March 2012
- Installation: ship schedule dependent