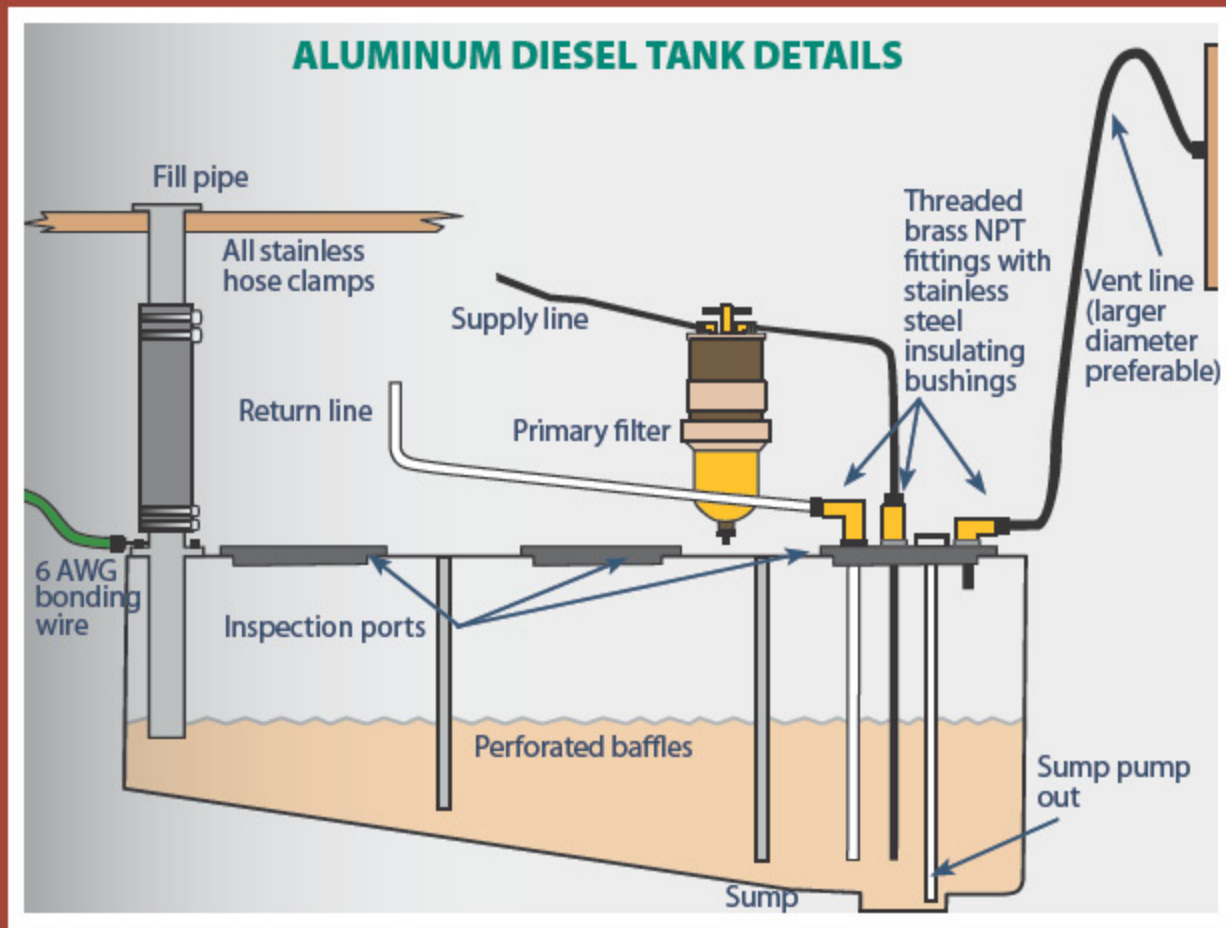


TANK DESIGN

Section H-33 ("Diesel Fuel Systems") of the American Boat and Yacht Council's "Standards and Recommended Practices for Small Craft" covers almost every detail regarding diesel fuel tank design:

- **Fill pipes:** Located so that no fuel can enter boat when fuel flows at 5 gallons per minute.
- **Copper-based alloy fittings:** Separated from an aluminum tank by means of 300-series stainless steel inserts.
- **Baffles:** Should not prevent flow along bottom of the tank or trap vapor at the top.
- **Fasteners:** 300-series stainless steel hardware shall be used to secure senders, inspection port cover plates, fittings.
- **Leak check:** System leak tested at no less than 3 psi.



Each baffled compartment should have its own access plate. A sump in the bottom of the tank traps contamination for easier removal.