



Livestock Carrier

MV Pasture of the Seas

GENERAL

Owner	Clay Stone Ranch
Designer	Seawise Stable Solutions
Material	Steel
Classification	Bureau Veritas
Regulations	ASMA MO 43, ASEL 3.0, Ireland, New Zealand, USDA

DIMENSIONS

LOA	120 m
LBP	112 m
Beam	18.5 m
Depth	12.2 m
Design Draft	6.63 m

CAPACITIES

Pen Capacity	2,600 m ³
Freshwater Tanks	650 m ³
Fuel Oil	1,050 m ³

MACHINERY

Main engine	1x Wartsila 12V46F
Generators	2x Wartsila 6L20 1x Wartsila 4L20
ME Power	14400 kW
Propulsion	1x Controllable Pitch
Bow Thruster	1x Wartsila CT/FT 125H
Electrical Power	4200 kW

DISPLACEMENT

Lightship	4,160 tonnes
Full Load Departure	7,830 tonnes

SPEED

Operating Speed	20 knots
Endurance	30 days
Range	12,000 nm
Complement	46 crew

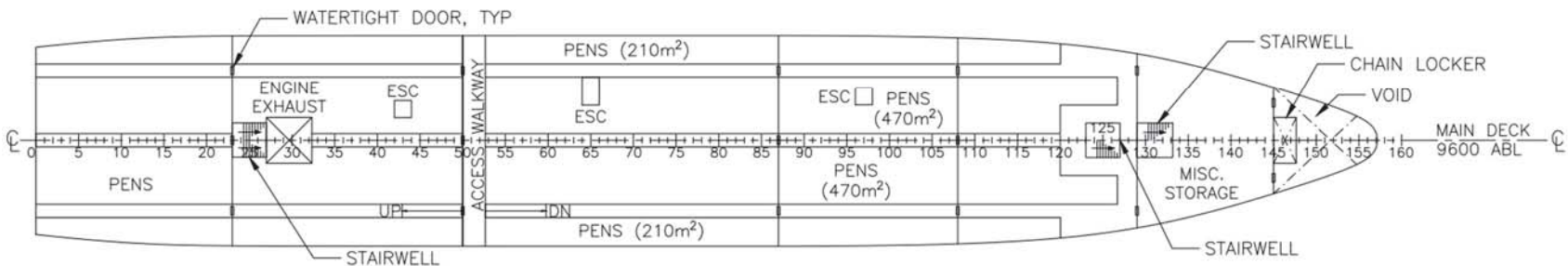
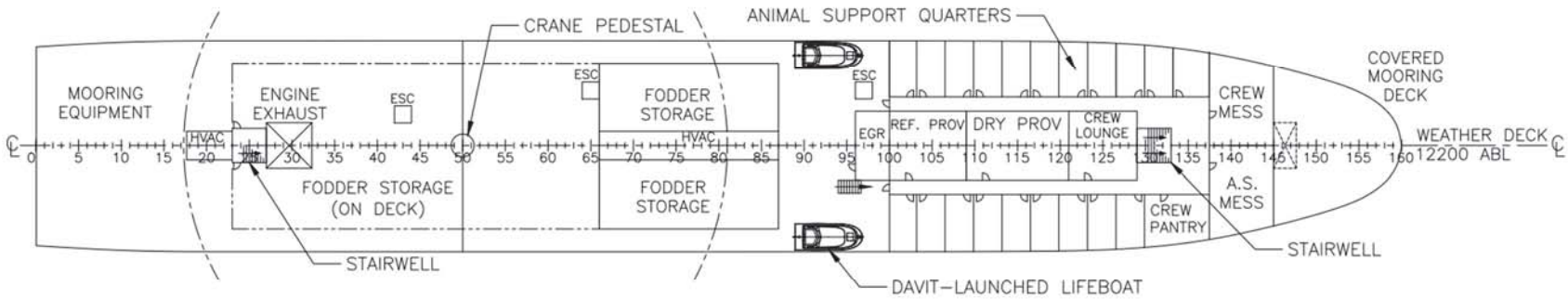
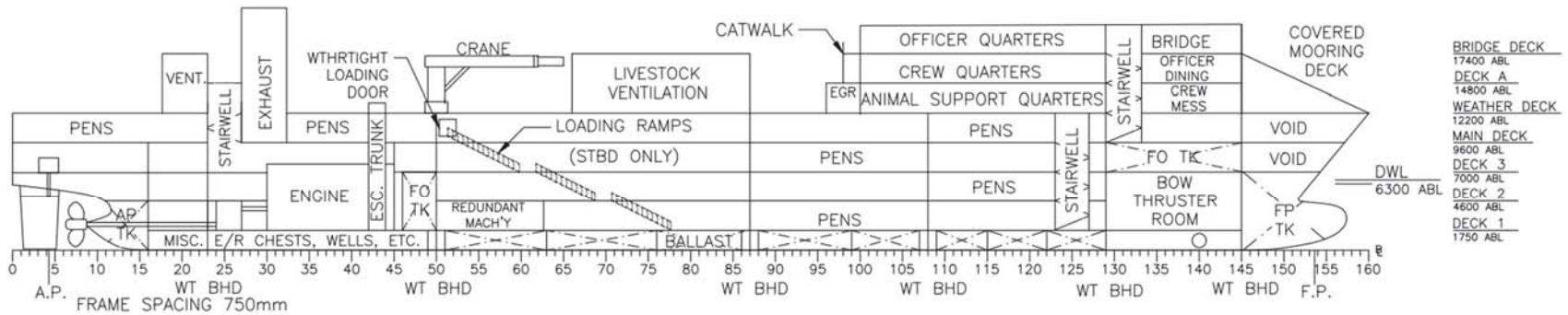
MISSION

The vessel is designed to export dairy cattle from the East and West coasts of the United States to customers overseas in Asia, Africa, and the Middle East. The vessel is of a closed design to protect the livestock, and it has the ability to sail through the Panama Canal and operate year-round.



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General Arrangement: Key Decks



Design Team

DESIGNERS



Calder Hartigan

Calder is from Alameda, California. He has worked as a pipefitting intern at General Dynamics Electric Boat, a Naval Architecture intern at Herbert Engineering Corp., and an engineering intern at Serco Inc. He plans a career in workboat shipbuilding or rowing shell design.



Minh Tran

Minh is from Irvine, California. He has worked as an engineering intern at Bay Ship Yacht & Co., a cadet for Holland America Line, and a Naval Architecture Intern for Polaris New Energy. His career plans involve either the cruise industry or with renewable energy.

ADDITIONAL CONTRIBUTOR



Nick Chisari

Nick is from Locust Valley, NY. He was the Webb Dinghy Team Captain and has worked on Webb's Offshore fleet. He has been a design intern at Bristol Harbor Group Inc. and Metal Shark Boats. His career plans are in shipping and logistics. He worked on this design from March to early May 2021. We thank him for his time and contribution to the design.

