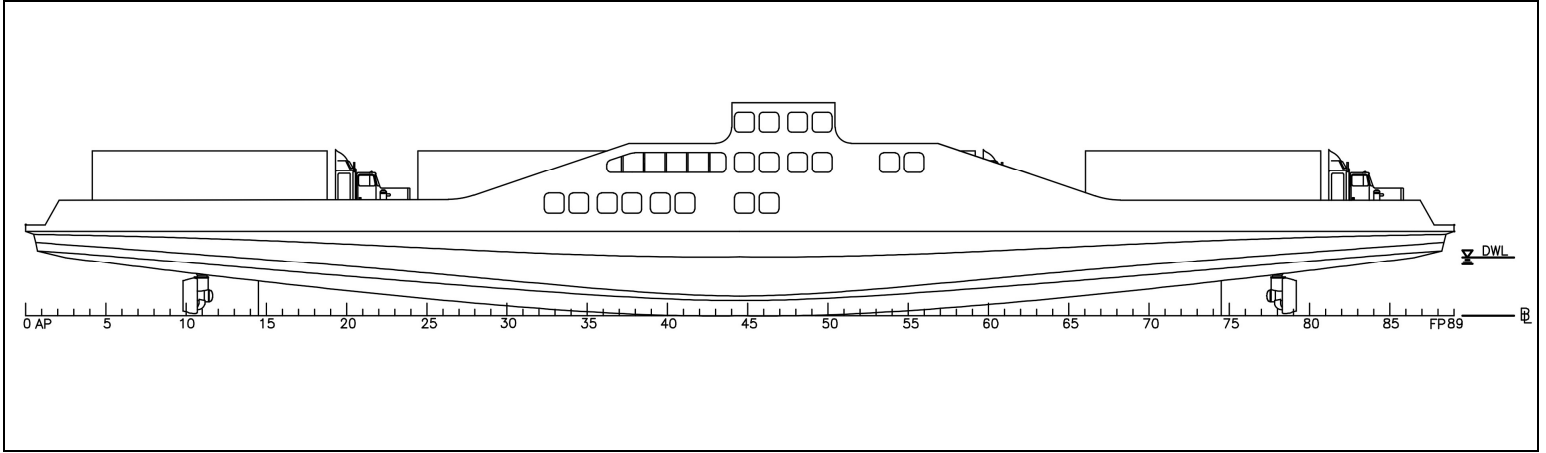


CROSS-HARBOR RORO TRUCK (CHARRT) FERRY



MAIN DATA

Length over all	89 m
Beam	17.9 m
Draft, design	3.6 m
Design speed	15 knots
Operation	NY Harbor
Propulsion	L-drive azimuth
2 x 1000 kW	thrusters
Daily electrical cons.	3.8 MWhr

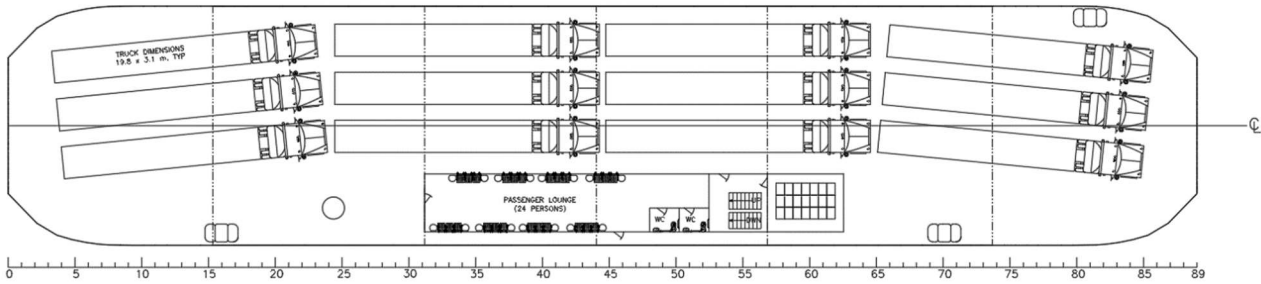
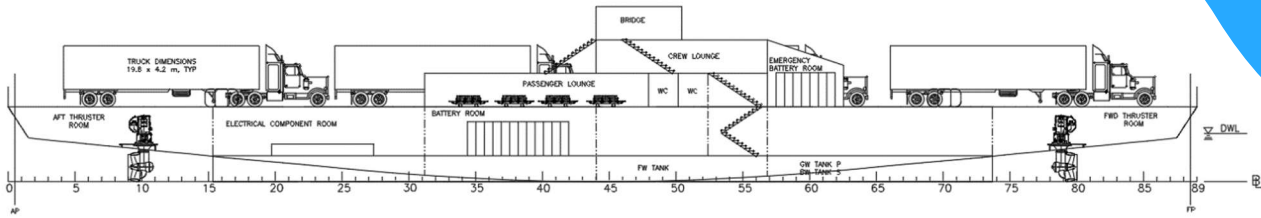
The CHARRT Ferry was designed for the NYC Economic Development Corporation's Ports and Transport Division. The ferry is designed for a daily round trip from Port Newark to Pier 81 in Manhattan. This truck ferry will relieve rush hour bridge traffic and is representative of a collective movement towards short sea shipping.

DESIGN HIGHLIGHTS

- Green operation (EPA Tier 4 compliant)
- All-electric power and propulsion
- "On-load" approach at berth
- Double-ended
- Dual L-drive azimuth thrusters for maneuverability
- All cargo on main deck

KEEL KOOLERS





MAIN DIMENSIONS

Length over all 89 m
 Length PP 88 m
 Beam moulded 17.9 m
 Depth to main deck 5.6 m
 Draft, design 3.6 m
 Deadweight 493 mt

SERVICE SPEED

Speed 15 knots
 Endurance, serv speed 24 nm

CONSUMPTION

Distance, design route 16 nm
 Daily Power Consumption 3.8 MWhr

CAPACITIES

Lane meters 438
 53' trucks 12
 FW capacity 5 m³
 GW capacity 3 m³
 BW capacity 3 m³

ENVIRONMENTAL EQUIPMENT

- Greywater and blackwater storage

DECK MACHINERY

- 3 hydrostatic-activated liferafts for 15 persons
- 1 anchor windlass
- 2 mooring winches

MACHINERY

Main batteries 4.2 MWhr
 Emerg. batteries 1 MWhr
 Thrusters (TM1250ML) 2 x 1 MW

E-PLANT

Power 230 V AC
 Lighting 110 V AC

DAY ACCOMMODATION

- 24 passengers, full HVAC, 2 ADA heads
- 4 crew, full HVAC, 1 head

CLASSIFICATION

- DNV GL RU-INV
- 46 CFR Subchapter H

KEEL KOOLERS



OUR TEAM

INGA JOHANSSON

Quarantine Town: Smithtown, NY

Work Experience:

- Fr: Austal USA, Port Jefferson Ferry
- So: Pasha Hawaii, Senesco Marine Repair
- Jr: NASSCO

Relevant Experience:

- Worked on Con-Ro
- Worked on Ro-Pax

Career Plans:

- Shipbuilding
- Repair



ALEX KOZIOL

Quarantine Town: Wallingford, PA

Work Experience:

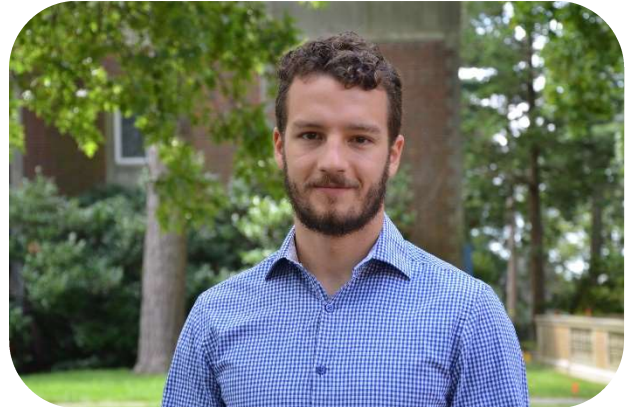
- Fr: Westport Port Angeles, Brewer Yacht Yard
- So: Crowley Maritime
- Jr: Navatek Portland
- Sr: Jobless in a Global Recession

Relevant Experience:

- NYC Ferry User

Career Plans:

- Transportation
- Renewables



HANK ROULAND

Quarantine Town: Lexington Park, MD

Work Experience:

- Fr: Vigor Alaska
- So: Stolt Tankers
- Jr: Navatak Hawaii

Relevant Experience:

- Construction of Alaska-Class Ferries
- Repair of AMH vessels

Career Plans:

- Farmer



KEEL KOOLERS

