

DECK PLANS and SCHEMATICS

Note: Pictures below are conceptual renders only. Final artwork to be completed prior to publication.



With an ever diversifying and growing galactic commercial space transport market, DyStar-Mityo has stepped-up production of its new line of Orca-class customizable transport ships to meet industry demand. Suitable for both commercial and private operation, the Orca supports many popular configurations.

The fully monocoque spaceframe is constructed using proprietary zero-g vacuum mold carbon composite technology creating a strong yet light outer hull. Window plugs and other hull options are placed in the molding process per customer order. The interior of the hull is coated with a self-sealing compound in the event of a minor hull breach. Ablative laranium hull armor is available at an additional cost.

Engines are a variant of the modular ST-45 military fusion drive thruster clustered around a high yield booster. Two high efficiency reactors provide an abundant amount of power for optional equipment, while two auxiliary reactors meet low-power duties for ground operations and flight backup. The main stardrive reactor is oversized to increase speed, and onboard fuel capacity is maximized for long unrefueled range ability. Sensor range and accuracy is impressive even in the most base configurations with optional sensor upgrades available. Weapon systems are customer-specific but hardpoints are available for defensive measures. Advanced dual-phase polaric shield generators are standard equipment.

Ground handling abilities are excellent with powered drive landing gear. Access to the cargo bay is via a large ramp to an 8x6-meter elevator/airlock combination to the main cargo deck. Elevator sections can be added upon order for additional deck access. Personnel access is through an extendible boarding stairway to the forward port side of the ship. All versions are equipped with a dedicated port and starboard docking airlock. An optional dorsal docking airlock is available on order.

See your local authorized Orca dealer for the latest configurations and upgrade options.

Dimensions — All

Length: 69 m
Beam: 58 m
Height: 17.5 m

Mass—	Freighter	Scientific	BlockadeRunner
Empty:	825 mt	975 mt	1182 mt
Fully Loaded:	901 mt	1054 mt	1260 mt
with Max Cargo:	1501 mt	1504 mt	1503 mt
AG Total Maximum:	3500 mt	3500 mt	3500 mt
Deadweight—			
Fuel:	72 mt	72 mt	72 mt
Cargo:	600 mt	450 mt	243 mt
Cargo Volume:	4500 cu m	1500 cu m	3000 cu m
AG Maximum:	2675 mt	2525 mt	2318 mt
Performance—			
Speed:	20 LPH	20 LPH	20 LPH
Range, Fully Loaded:	4800 ly	4435 ly	4056 ly
Range, Max Cargo:	3717 ly	3713 ly	3714 ly
Best Economy:	66.7 ly/ton	61.6 ly/ton	56.3 ly/ton
Landing capability:	yes	yes	yes
Personnel—			
Total Personnel—			
Crew:	4 minimum	4 minimum	4 minimum
Min Flight Crew:	1	1	1
Total Accommodations:	4	30	26
Cost—			
(with options)	1.5 million	2.1 million	1.9 million

standard equipment — All

- advanced dual-phase polaric shielding
- high capacity anti-grav lift system
- steerable powered landing gear
- aft track-mounted defensive turret
- self-sealing hull compound
- high thrust multi-stage engines
- dual main power reactors

optional equipment installed — Freighter:

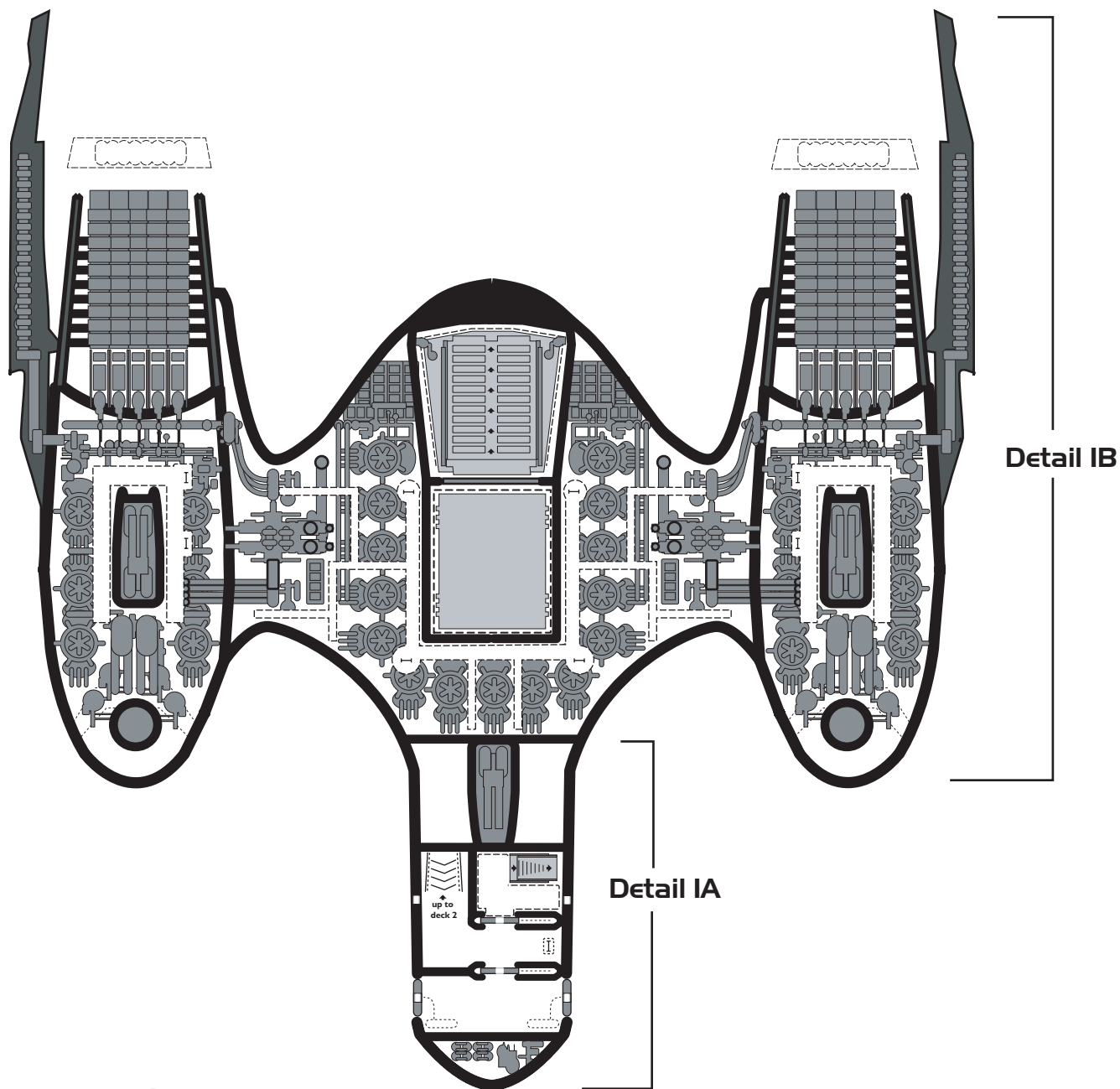
- multi-level main elevator
- fwd dorsal deployable defensive turret
- basic accommodations

optional equipment installed — Research vessel:

- dorsal docking airlock
- ventral high power topographical scanners
- long range navigational scanners
- port/starboard deployable defensive turrets
- custom flightdeck mission stations
- custom crew accommodations
- custom science labs
- medical bay with surgical and isolation stations

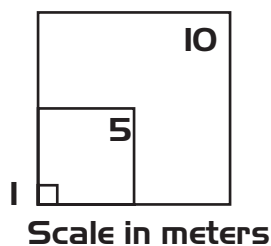
optional equipment installed — BlockadeRunner:

- dorsal docking airlock
- ablative laranium hull armor
- port/starboard heavy blaster cannons
- ventral deployable defensive turrets
- dorsal deployable defensive turret
- custom crew accommodations
- custom flightdeck tactical stations
- custom luxury appointments
- custom cargo ramp defensive gun installations (not shown)
- custom deployable boarding ramp gun installation (not shown)



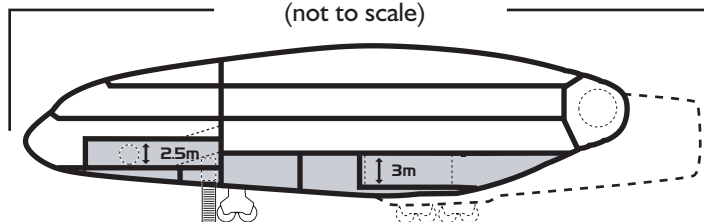
DECK I

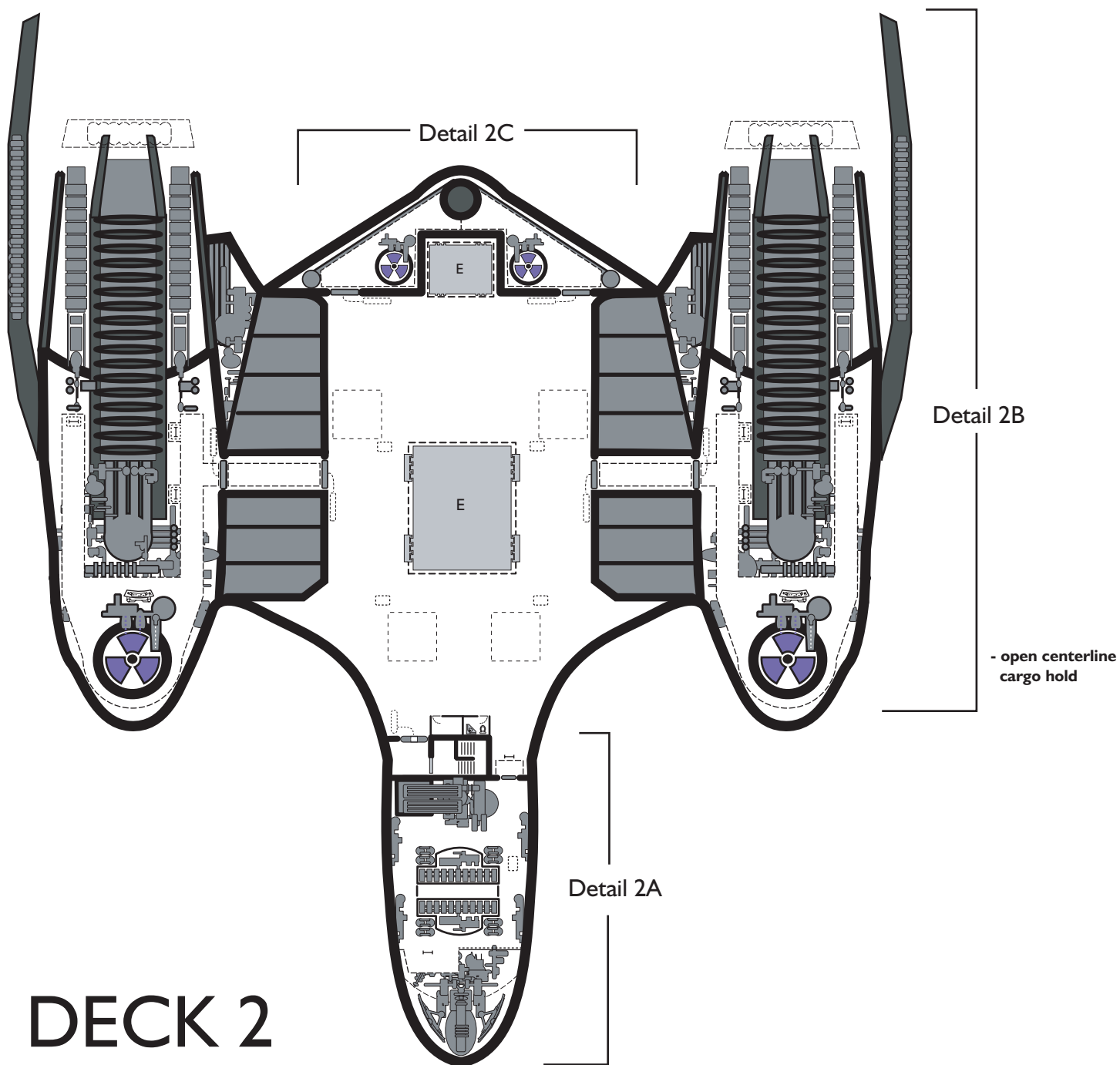
All variants



- Door Key
- pressure w/window
 - pressure sliding
 - airlock interior
 - reinforced security
 - sliding cargo
 - standard lockable
 - removable access
 - privacy

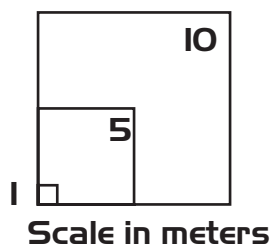
DECK PROFILE (not to scale)





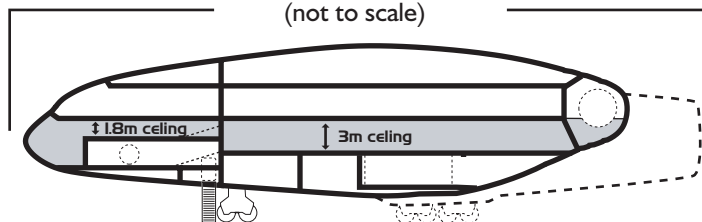
DECK 2

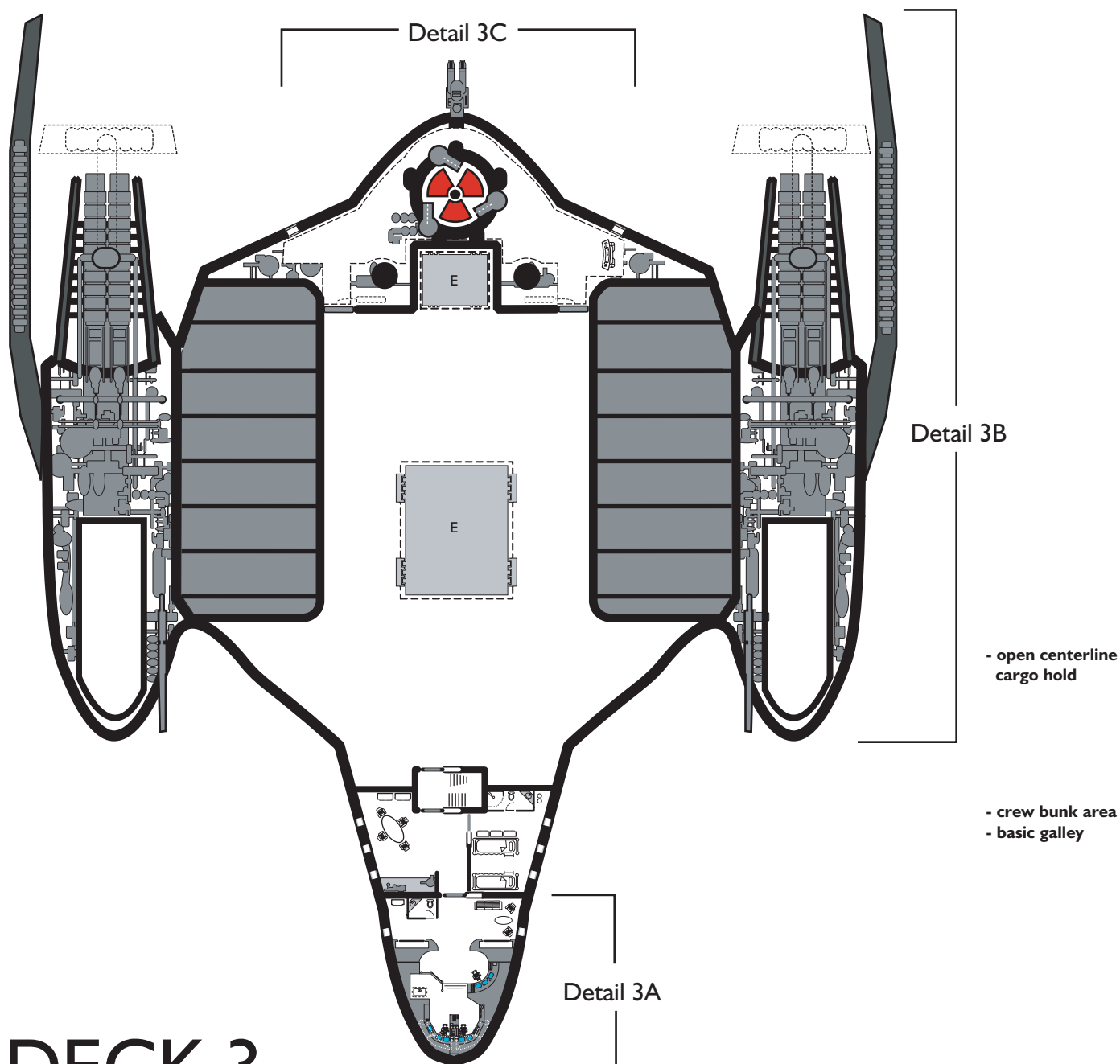
All variants



- Door Key
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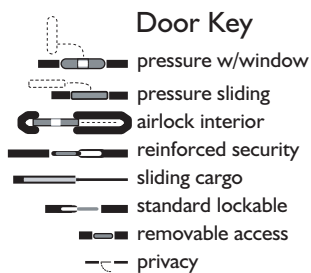
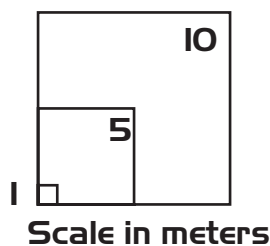
DECK PROFILE (not to scale)



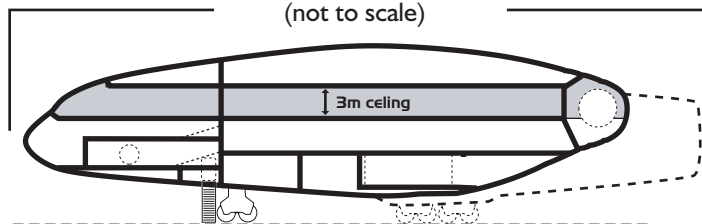


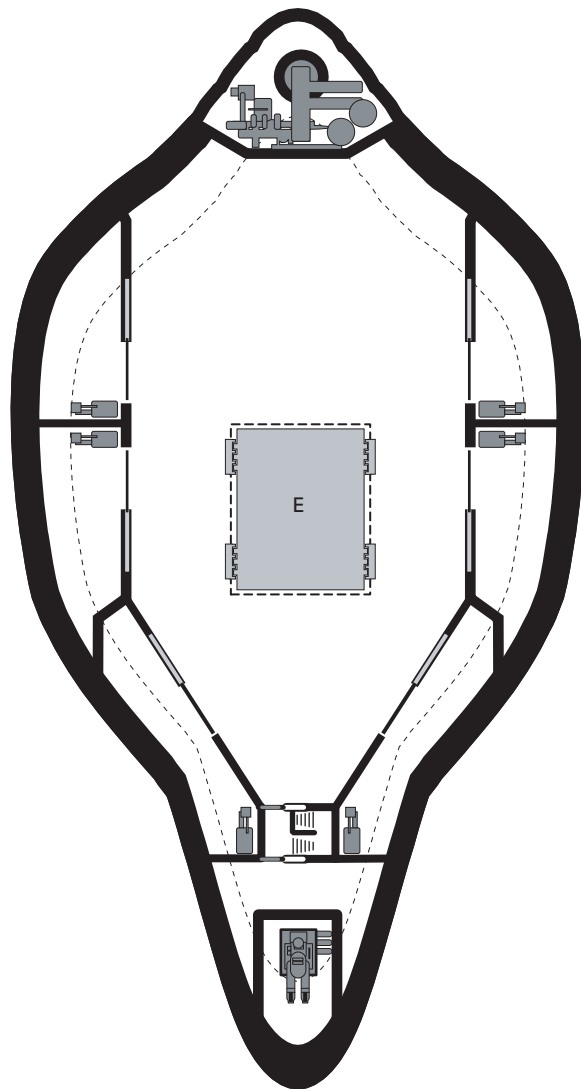
DECK 3

basic freighter layout



DECK PROFILE (not to scale)



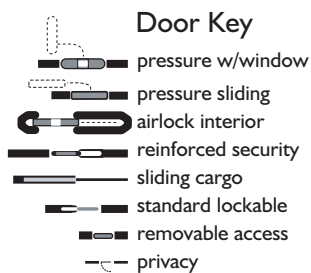
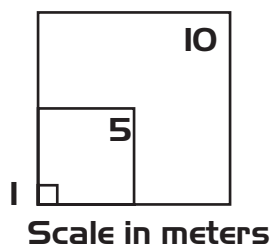


- 6 temperature-controlled bulk cargo holds

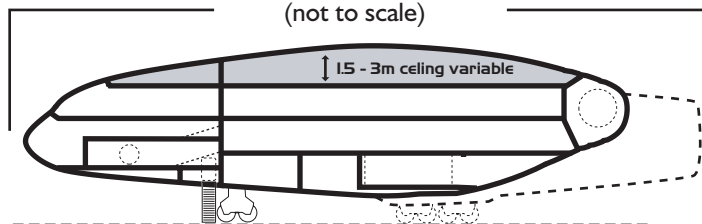
- deployable dorsal defensive turret

DECK 4

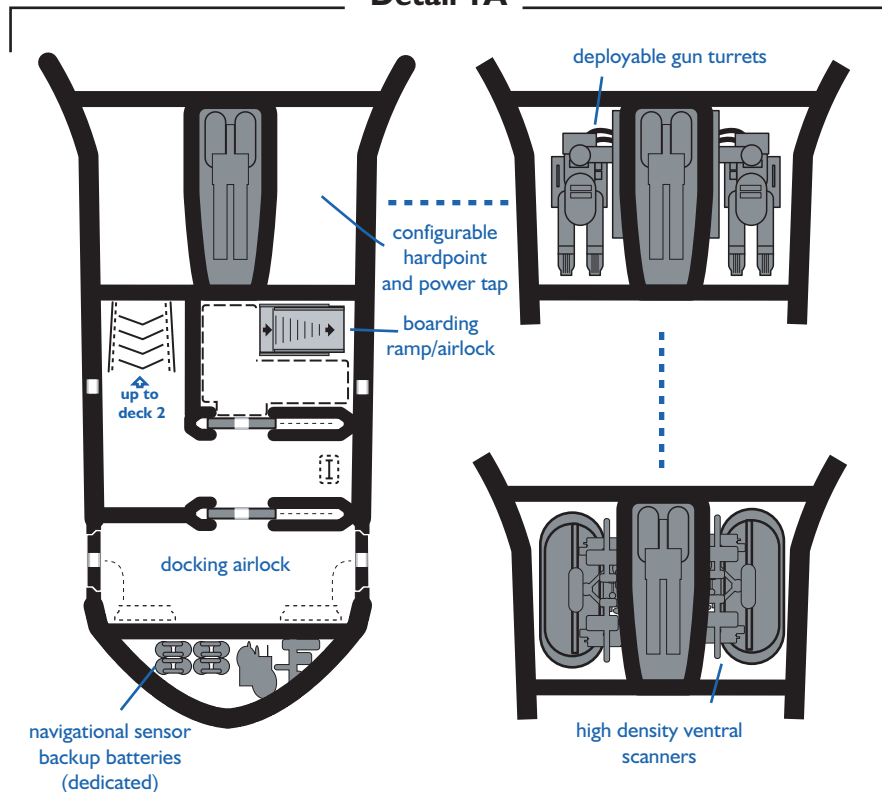
basic freighter layout



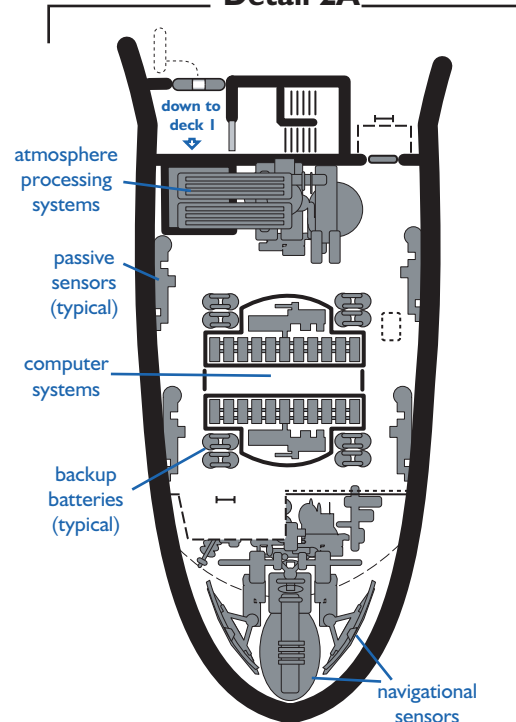
DECK PROFILE (not to scale)



Detail 1A

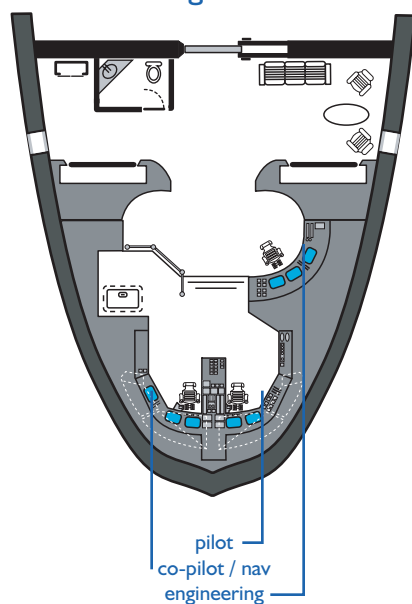


Detail 2A

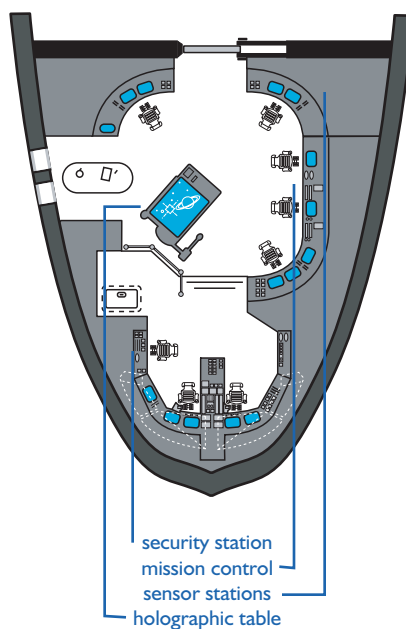


Detail 3A

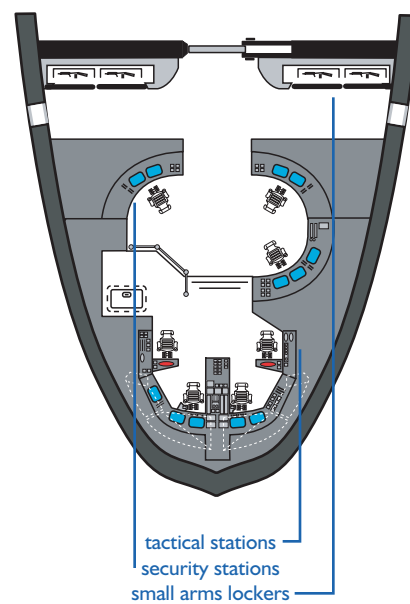
basic freighter variant



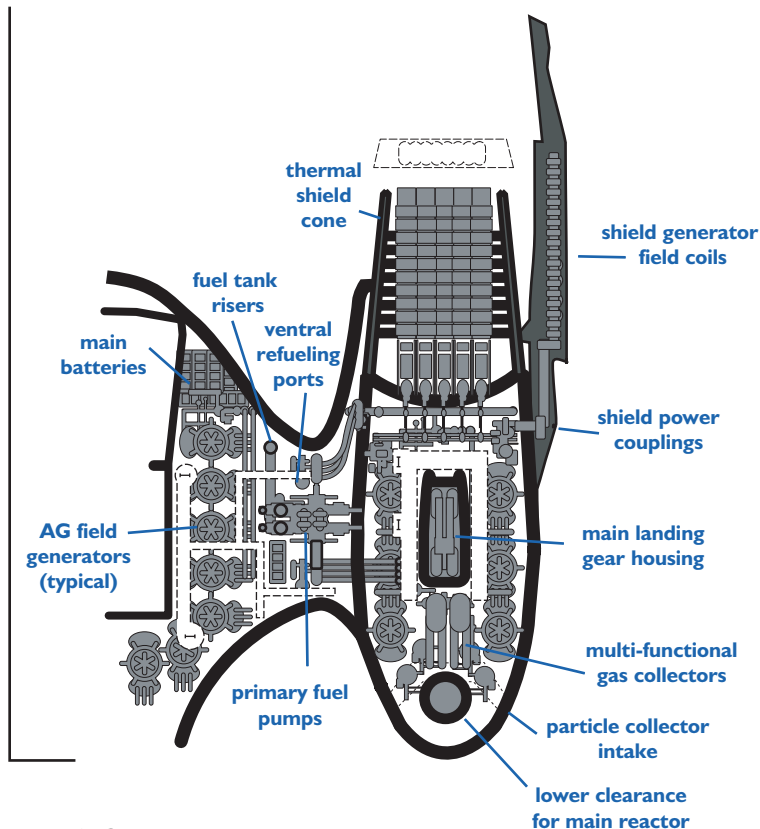
research variant



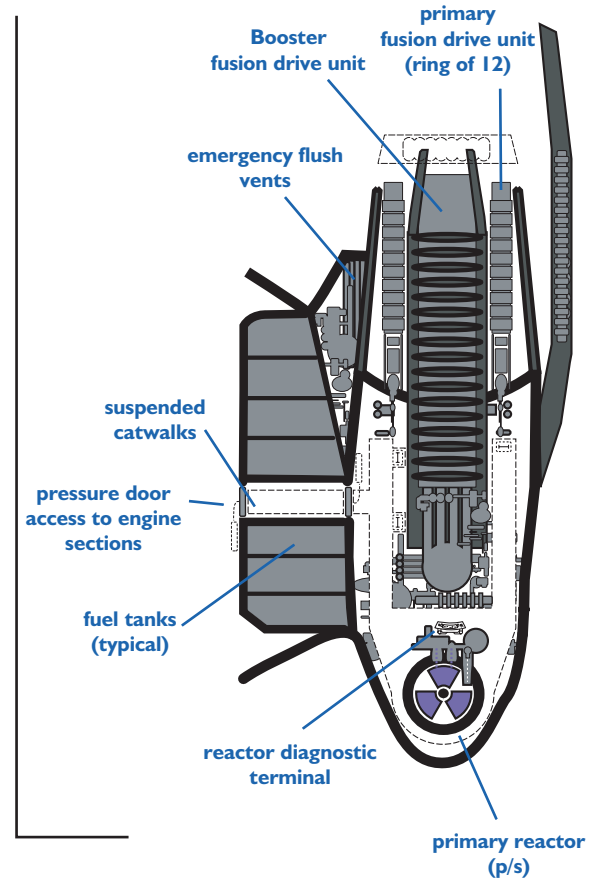
blockade runner variant



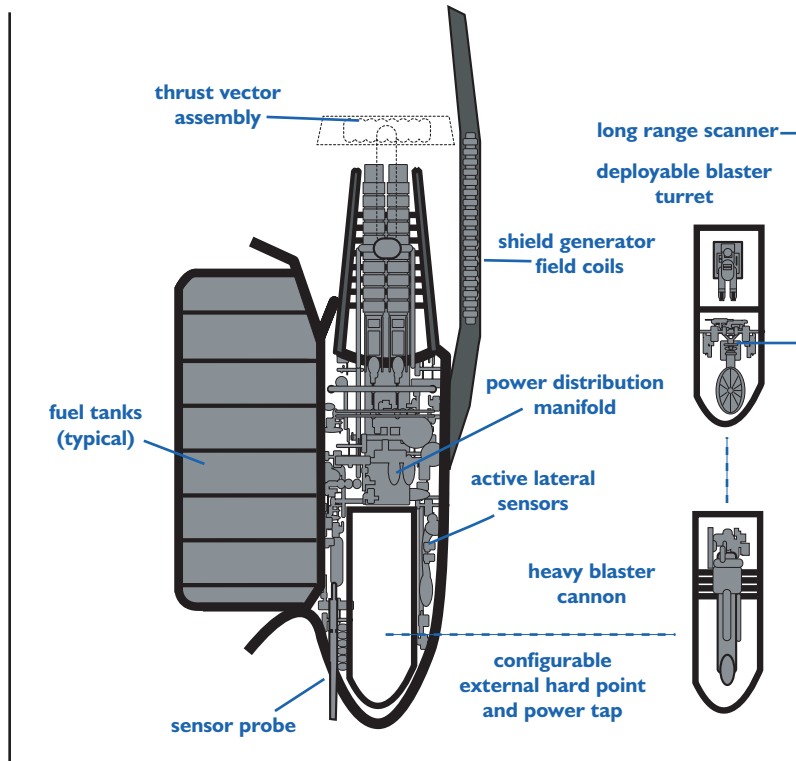
Detail 1B



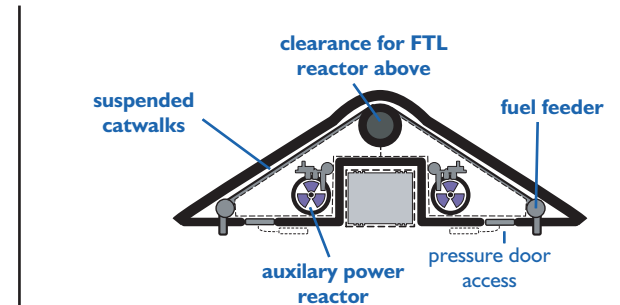
Detail 2B



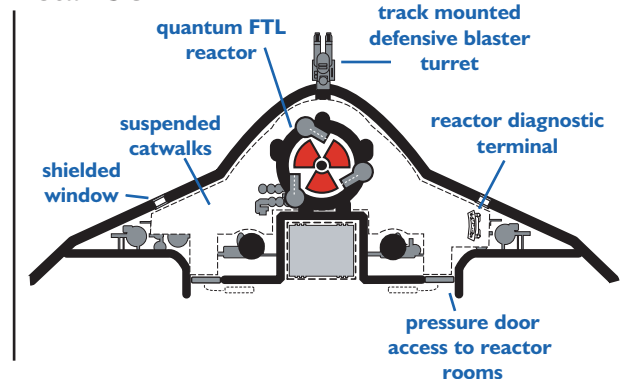
Detail 3B

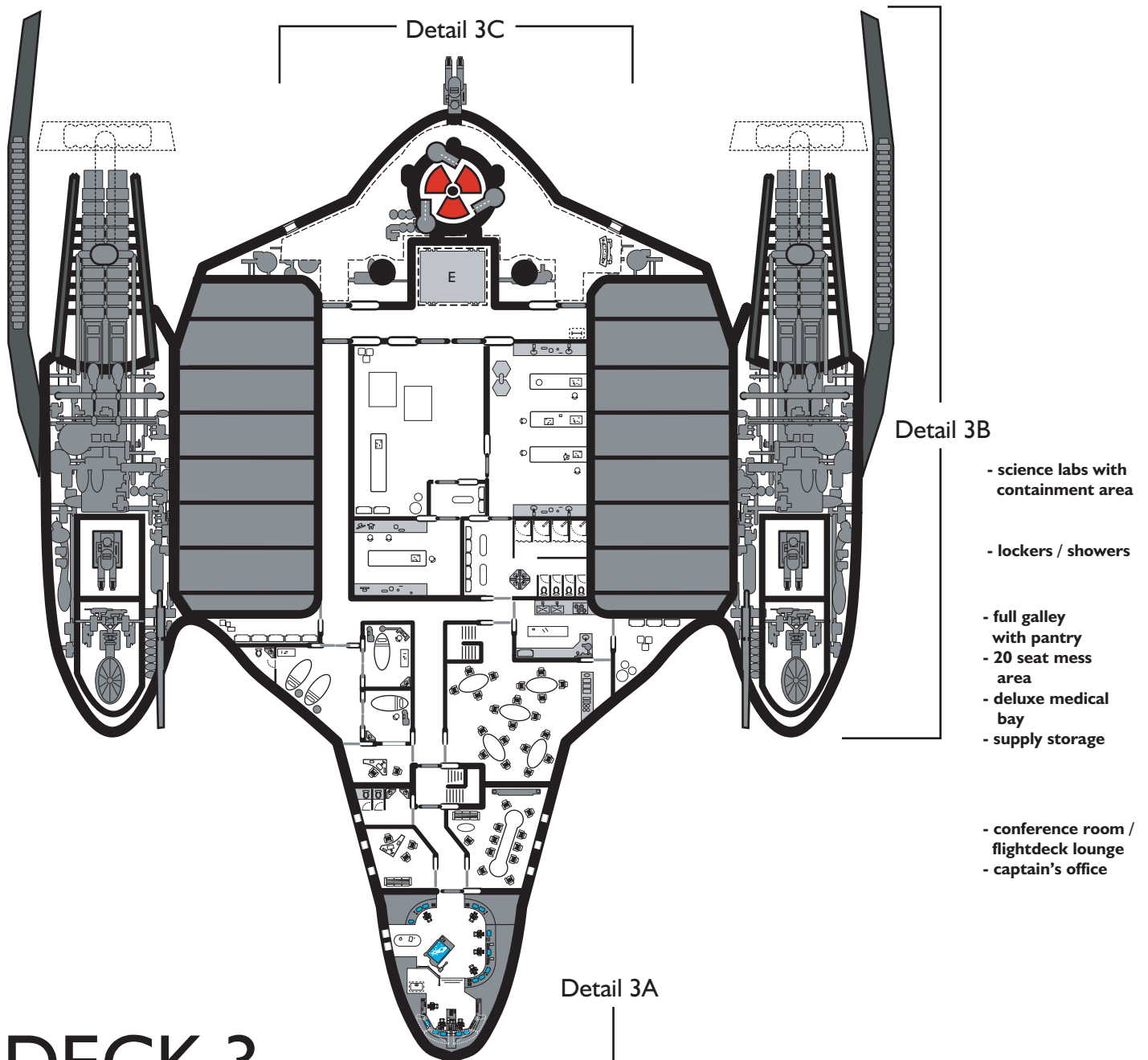


Detail 2C



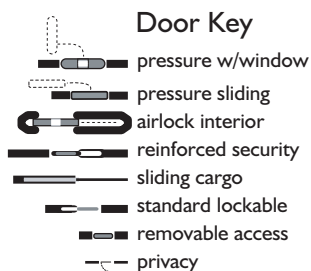
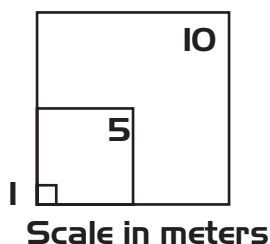
Detail 3C



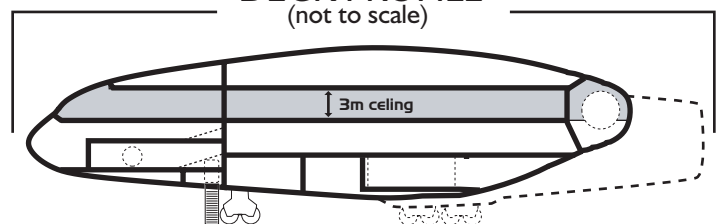


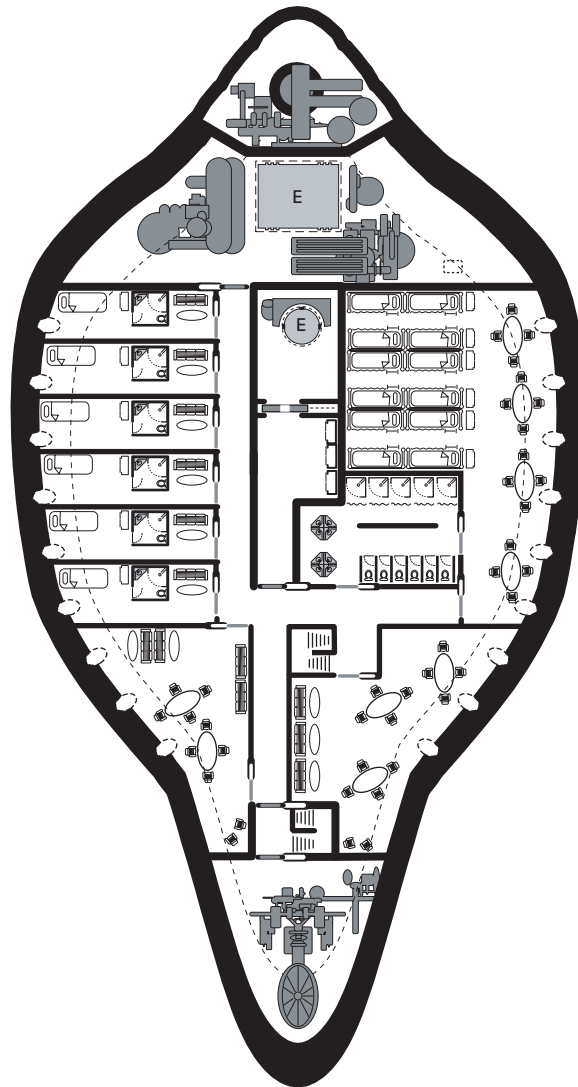
DECK 3

Research Vessel Layout



DECK PROFILE (not to scale)

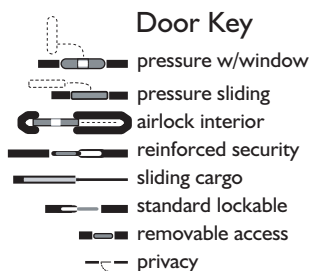
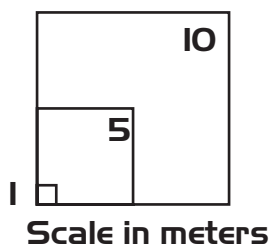




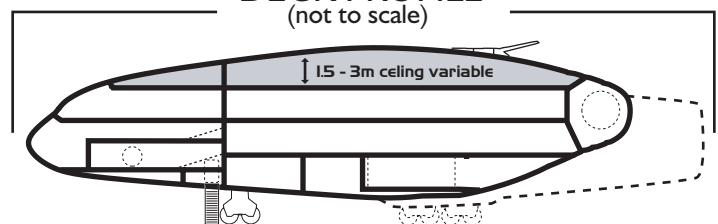
- supplemental life support unit
- supplemental waste processing unit
- dorsal docking airlock with lift
- EVA suit lockers
- 6 large staterooms (officers' quarters)
- 12 double bunks (crew quarters)
- officers' lounge
- crew lounge / rec area
- high gain passive sensor

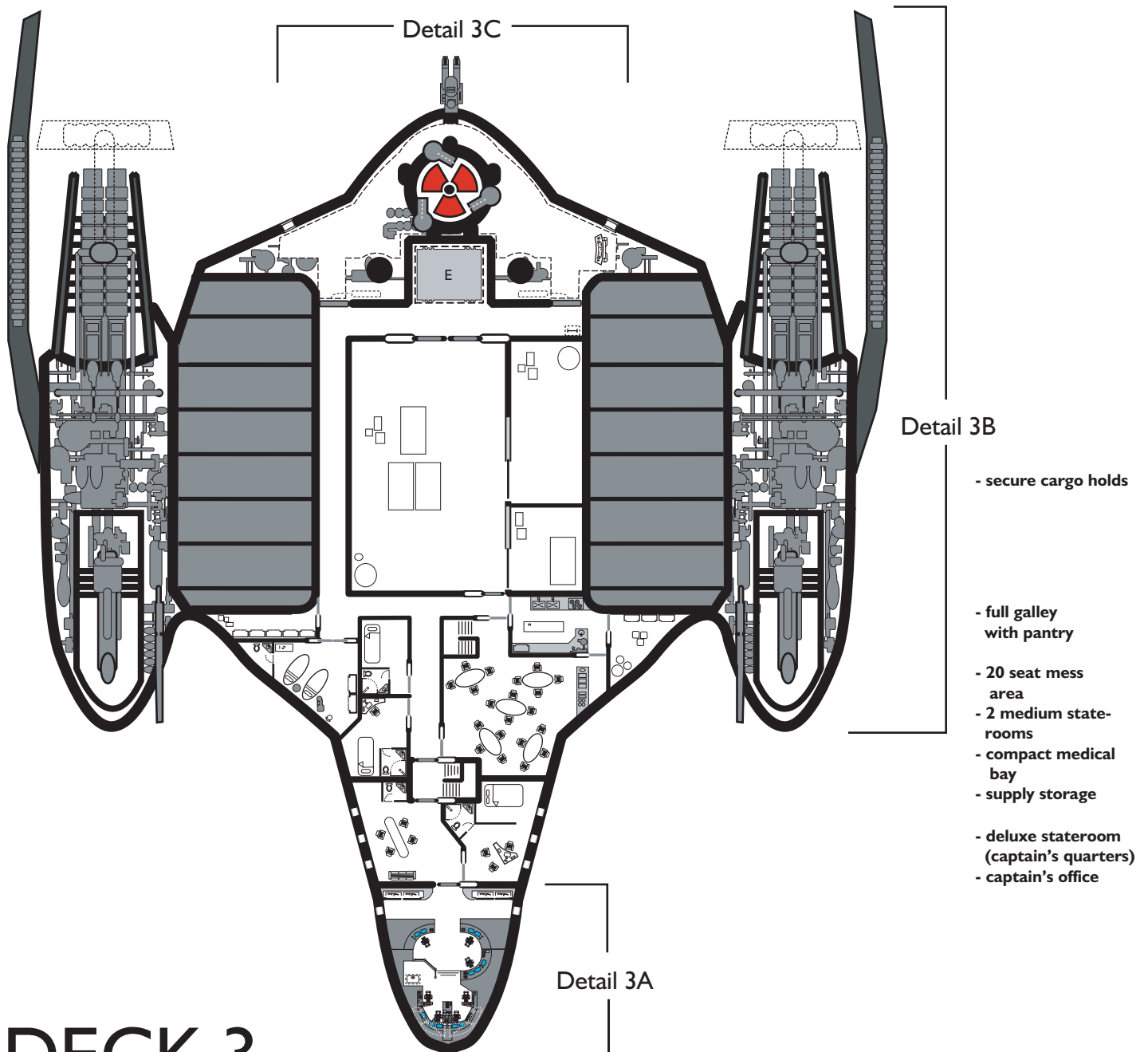
DECK 4

Research Vessel Layout



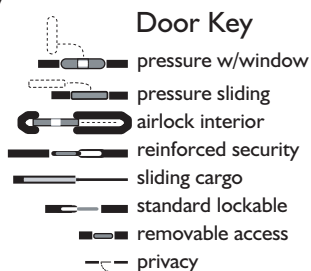
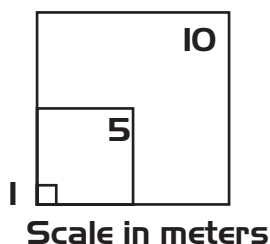
DECK PROFILE (not to scale)



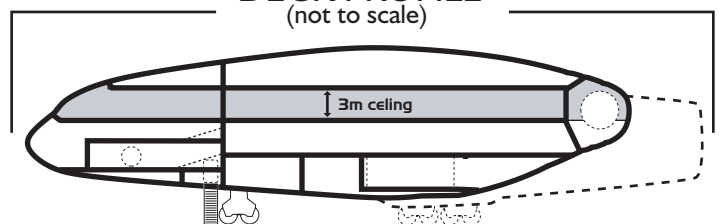


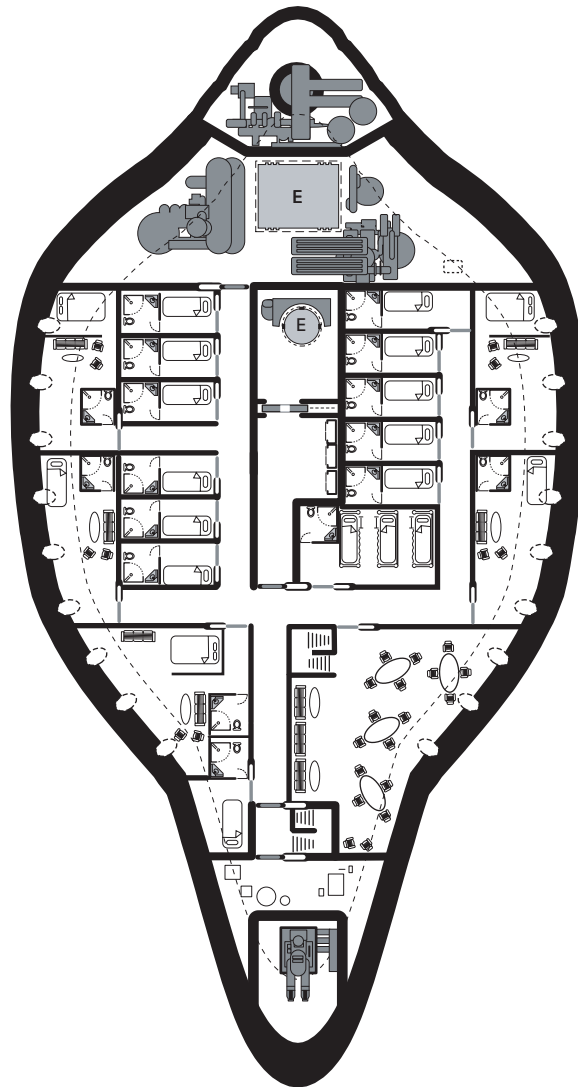
DECK 3

Blockade Runner Layout



DECK PROFILE (not to scale)

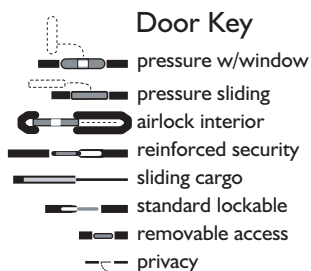
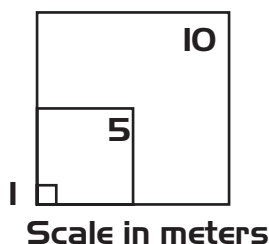




- supplemental life support unit
- supplemental waste processing unit
- dorsal docking airlock with lift
- EVA suit lockers
- 3 deluxe state rooms
- 2 luxury state rooms
- 1 medium state room
- 11 small state rooms
- 3 double bunks
- lounge / rec area
- deployable dorsal defensive turret

DECK 4

Blockade Runner Layout



DECK PROFILE (not to scale)

