

FDPS LAB / MICRO CONTROL TOWER

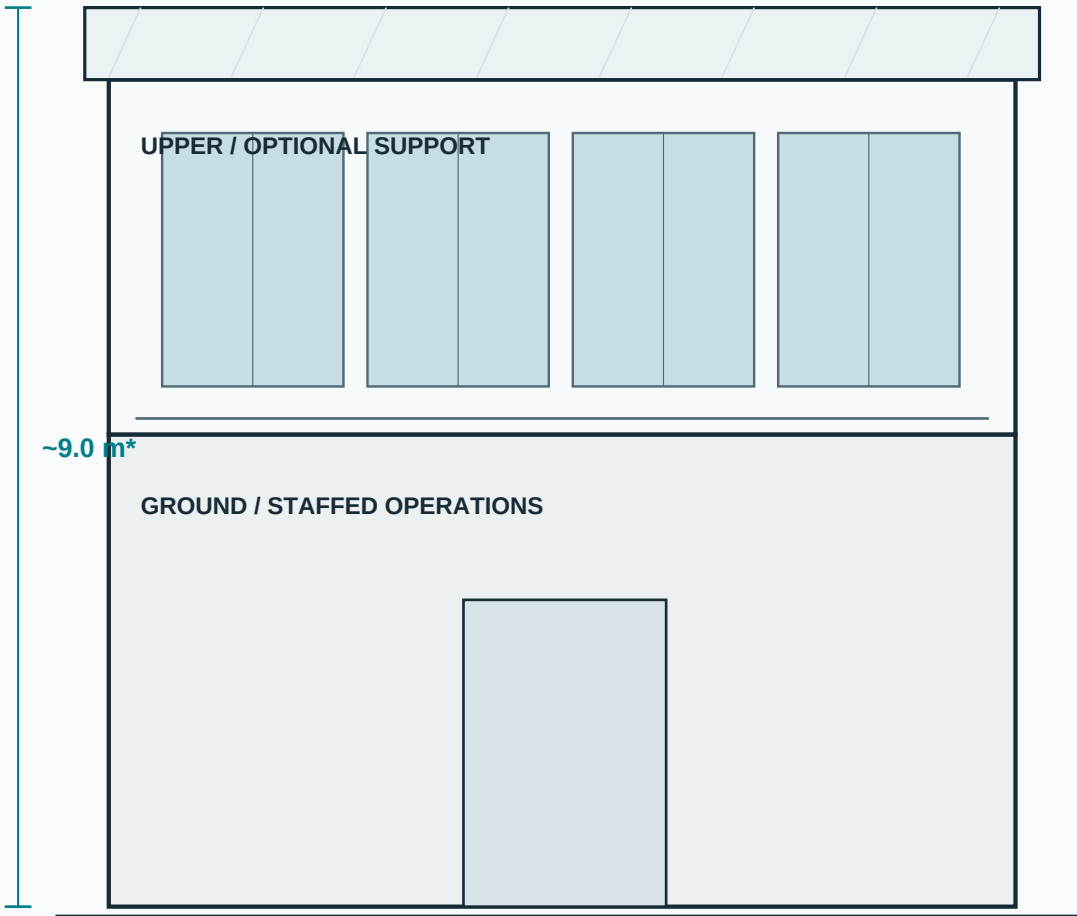
ARCHITECTURAL CONCEPT STUDY / REV 02

BUILDING FORM / ELEVATION + SITE INTERFACE

The image is an architectural visualisation. Linework identifies study components, not surveyed or permitted dimensions.



01 VISUAL STUDY / FRONT APPROACH



02 ELEVATION STUDY / NOMINAL ENVELOPE

PUBLIC EDGE

Accessible approach, entrance and fire-service access depend on the chosen plot.

BUILDING CORE

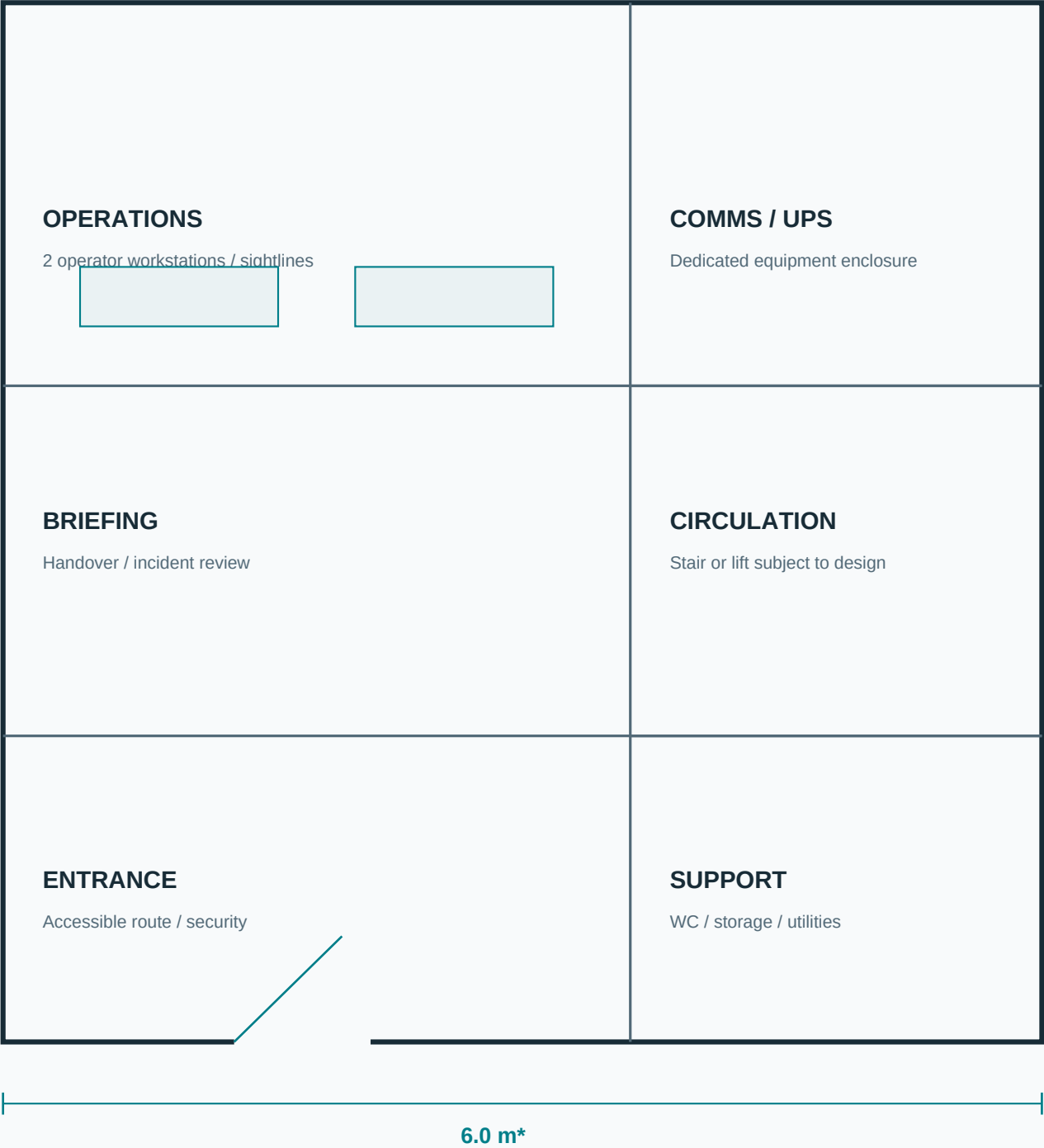
A staffed ground-floor control station is the operational baseline.

DOCK INTERFACE

Battery charging and storage require separate risk assessment and siting.

GROUND FLOOR / FUNCTIONAL ZONING

Indicative relationships only. Partitions, equipment, accessible clearances and exit routes require measured design.



ADJACENCIES TO VERIFY

- 01

Public-to-secure boundary

Reception and visitor route must not cross the controlled operations zone.
- 02

Continuous operations

Ground-floor console remains usable if the optional upper floor is closed.
- 03

Power and communications

Map essential circuits, UPS runtime, cooling and safe shutdown.
- 04

Fire and evacuation

Determine occupancy, protected routes, alarms and smoke control with the designer.
- 05

Maintenance access

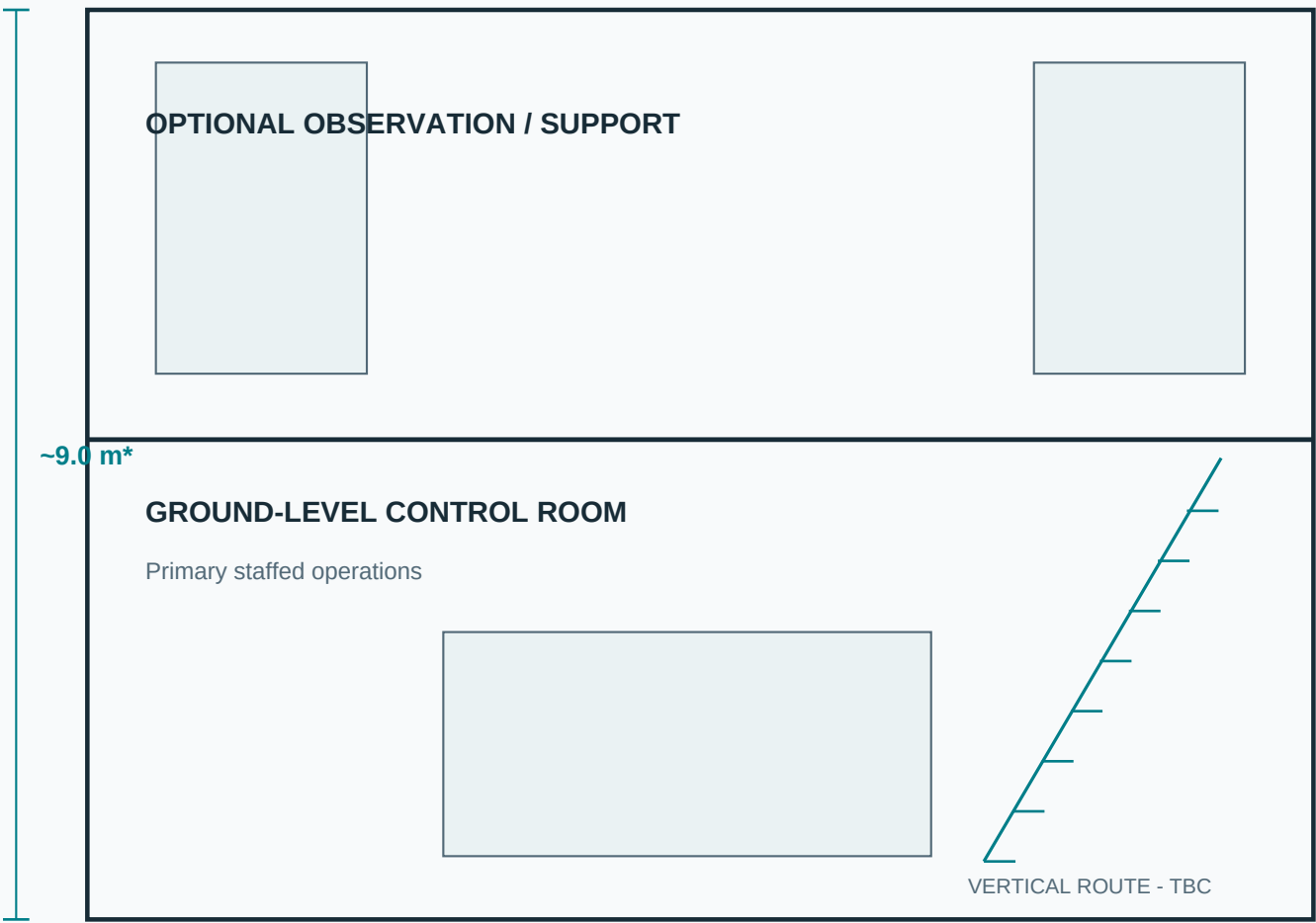
Separate service work from operators and public circulation.

EXTERNAL / NOT INSIDE THIS FOOTPRINT

Secure drone dock, battery charging and emergency vehicle access are separate site elements. Their distance and arrangement cannot be determined without a plot and equipment specification.

SECTIONAL LOGIC / DESIGN DECISION RECORD

The proposed form is a design brief. No fire safety, structural performance or flight authorisation is certified here.



Cross section schematic / internal clearances unverified

DESIGN INPUTS REQUIRED

01 SITE + USE

Land use, plot survey, geotechnical report and intended legal occupancy.

02 PEOPLE + EGRESS

Staff/visitor count, stair configuration, accessible route and evacuation strategy.

03 FIRE + BATTERIES

Applicable fire protection, battery chemistry/quantity, dock location and isolation.

04 STRUCTURE + ENVELOPE

Wind, snow, seismic loads, glazing, shading, drainage and lightning protection.

05 SYSTEMS + OPERATIONS

Power loads, UPS, cooling, telecom redundancy and incident handover.

06 AUTHORITY + BUDGET

Licensed design, agency consultation, quantity takeoff and cost review.

DECISION STATUS

Nominal dimensions and zoning are illustrative, not measured. The upper level, room count, structure, fire-safety systems, dock separation and final form remain open until a real site and licensed designers are appointed.