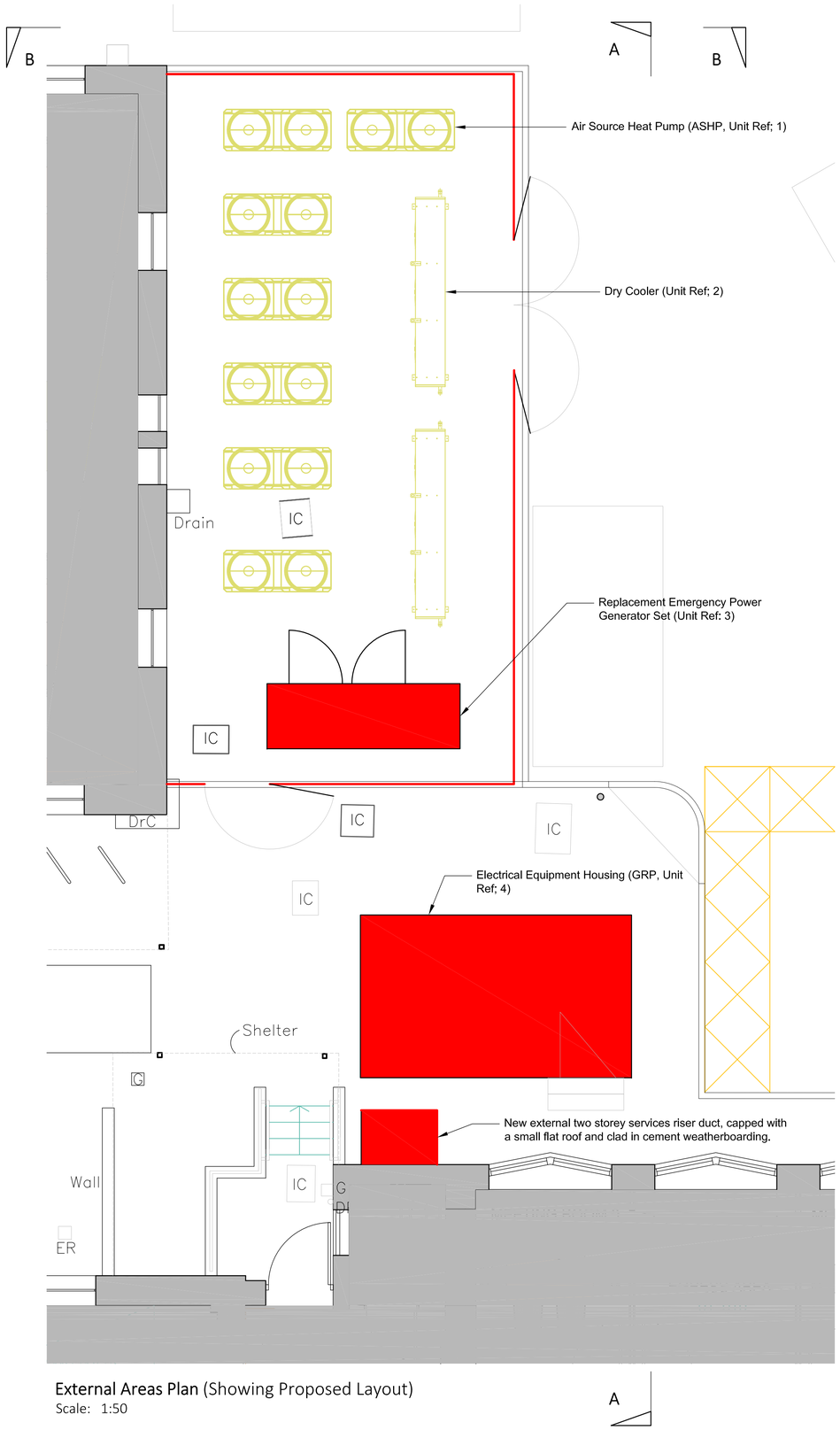
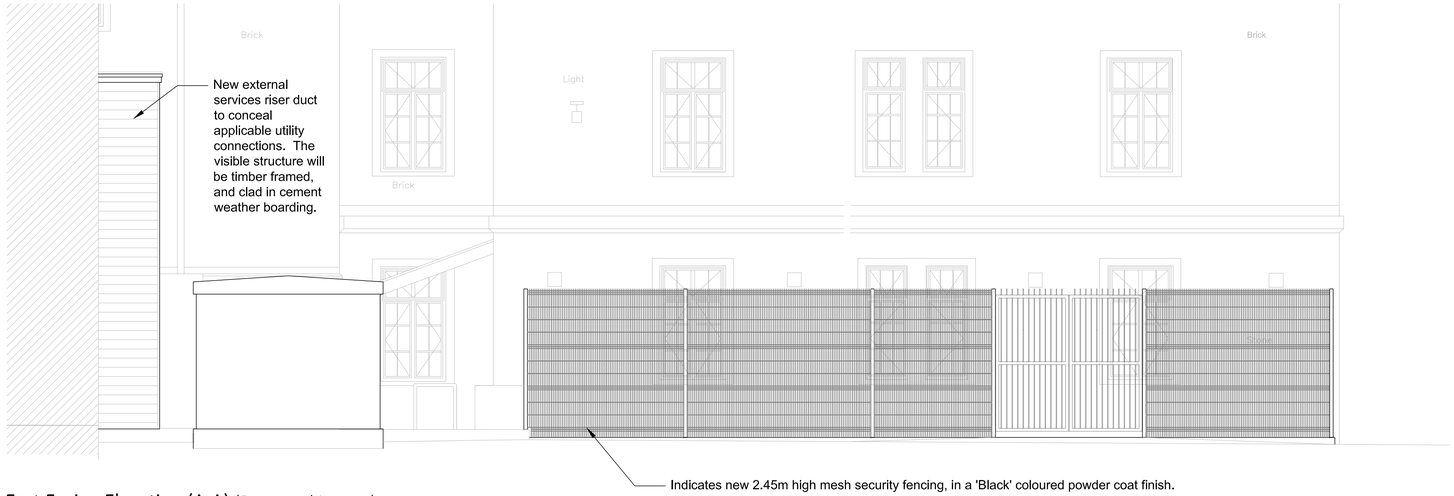



External Areas Plan (Showing Proposed Layout)
Scale: 1:50




East Facing Elevation (A-A) (Proposed Layout)
Scale: 1:50

North Facing Elevation (B-B) (Proposed Layout)
Scale: 1:50


## Unit Ref: 1: Air Source Heat Pumps (x7)

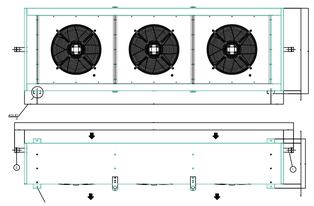
(Image Left shows rear corner view, and above is a CAD 3D render of the front corner / top view). These units require free air flow in the front and is exhausted vertically out the top. The units extract heat energy from the air, heating up the water in the offices central heating system. The units are shown to scale on the plan, and are 1.8m high (so will be lower than the perimeter security fencing)

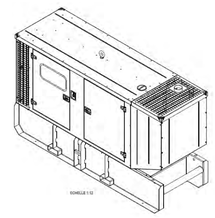
## Unit Ref: 2: Dry Coolers (x2)

Image Left shows a '2' fan model (shown for illustrative purposes only), that required in this application is the three fan version shown below). These units discharge excess heat from the buildings data centre. These units require free air flow 'in' from the rear (car park side) and reject heat horizontally out the front (i.e. toward the adjoining heat pump units for increased central heating system efficiency). They measure 1.2m in height so much less than the perimeter security fencing.

## Unit Ref: 4: GRP Enclosure

The enclosure is necessary for critical electrical services / connections and uninterrupted power supply (UPS battery packs) for the data centre. Illustration shown (left) has a single door, similar to that proposed for County Hall, though in this application the door will face south (towards the main building).






## Unit Ref: 3: Emergency Power Generator Unit

Images above show 3D design view (above left) and typical photo of similar unit (above right). This unit replaces the existing similar generator set which is reaching the end of its serviceable life. By locating the replacement within the new compound, security of the unit is enhanced and the fencing provides visual screening. Also the new location allows for the new unit to be purchased and fully installed, leaving only final connections to be made during a short duration, planned shutdown period of the critical ICT systems, which ensures continuity of resilience for critical services. Once the new unit is in operation the existing unit can be removed and the new cycle shelter completed. The model unit proposed measures 2m in height, so less than the security fencing (2.45m), though a short exhaust pipe extension will need to be fitted on the top of the proposed unit, with its finished height around the top of the proposed fencing level.

ISLE of WIGHT COUNCIL
Corporate Property Maintenance
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Project
# BUILDING SERVICES UPGRADE PROJECT

Address
**COUNTY HALL, High Street, Newport, Isle of Wight,**
PO30 1UD

Drawing Title
PLANNING APPLICATION DETAILS
Equipment Compound - Enlarged Details

| Status | | Scale | Date | Drawn |
|---|---|---|---|---|
| SKETCH | | As Shown on A1 Sheet | June 2021 | DW |
| TENDER | X | Drawing No. | Revisions | |
| CONSTRUCTION | | NEW/25/01-P23 004 | - | |
| AS BUILT | | | | |