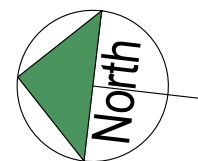


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2. ALL LEVELS ARE IN METRES RELATED TO: DATUM: ORDNANCE DATUM MALIN HEAD
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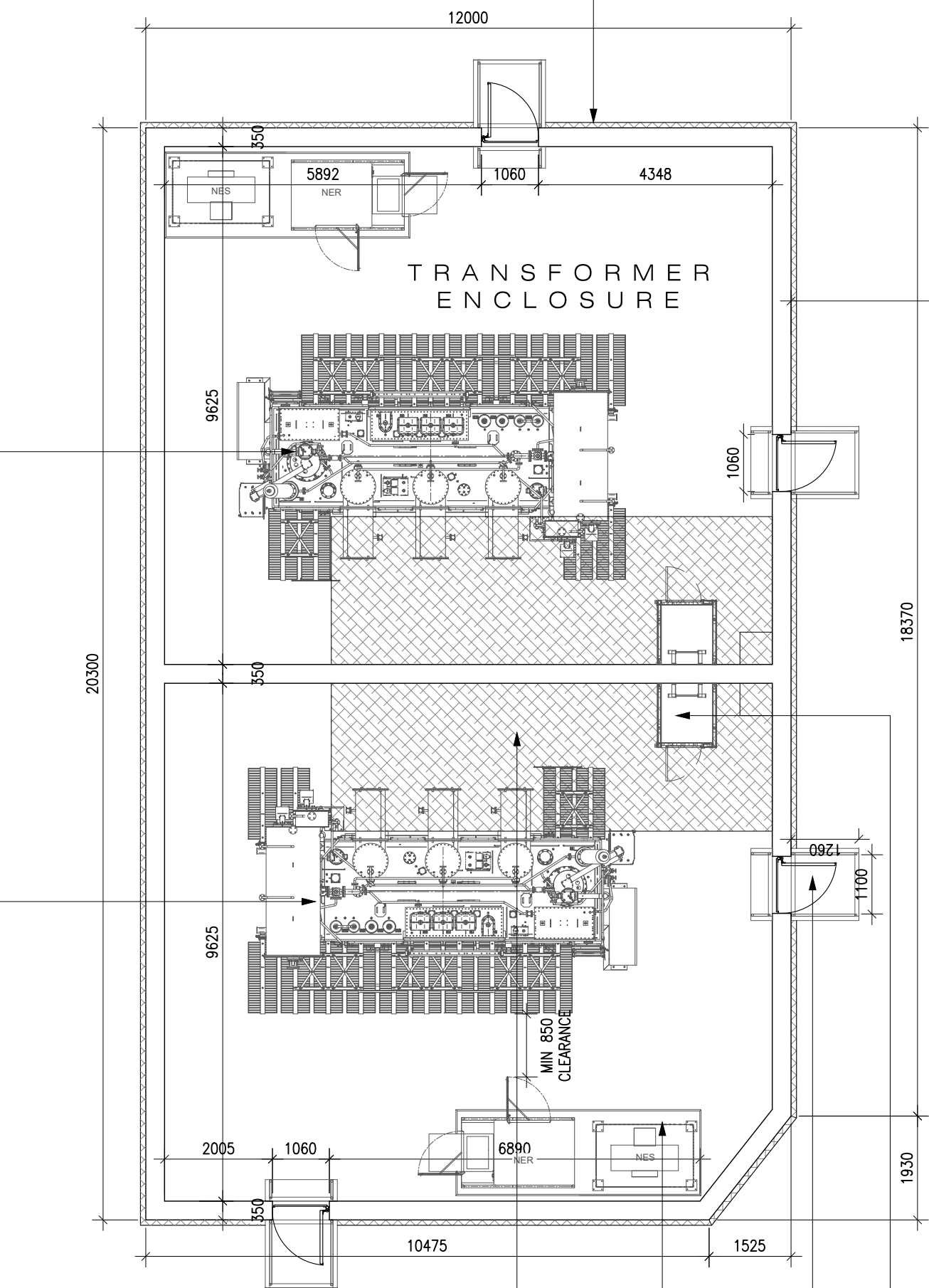
Reinforced concrete fire walls forming the perimeter enclosure and central separation between transformers, in accordance with the Civil and Structural Engineer's design. Black insulated metal composite cladding system to transformer enclosure; horizontally laid secret-fix panels; colour matte black, RAL 9005 or approved equivalent; system to include all necessary concealed support rails, pressed aluminium flashings, trims, closures, soffits, internal and external corners, parapet cappings, fixings and compressible weather seals.

Galvanised external steel staircase providing access between ground and first floor levels, complete with steel landings, handrails, guarding and non-slip treads.

Insulated steel personnel doors complete with galvanised steel frames, heavy-duty ironmongery, security locking and weather seals, factory finished to match the external cladding system.

Steel internal doorsets providing secure access between operational areas. Doors to achieve the required fire resistance, security and acoustic performance appropriate to their location.

Dedicated internal hoist zone extending through both floor levels to facilitate the installation, maintenance and replacement of electrical plant and equipment. Protected by permanent safety guarding and associated access provisions.



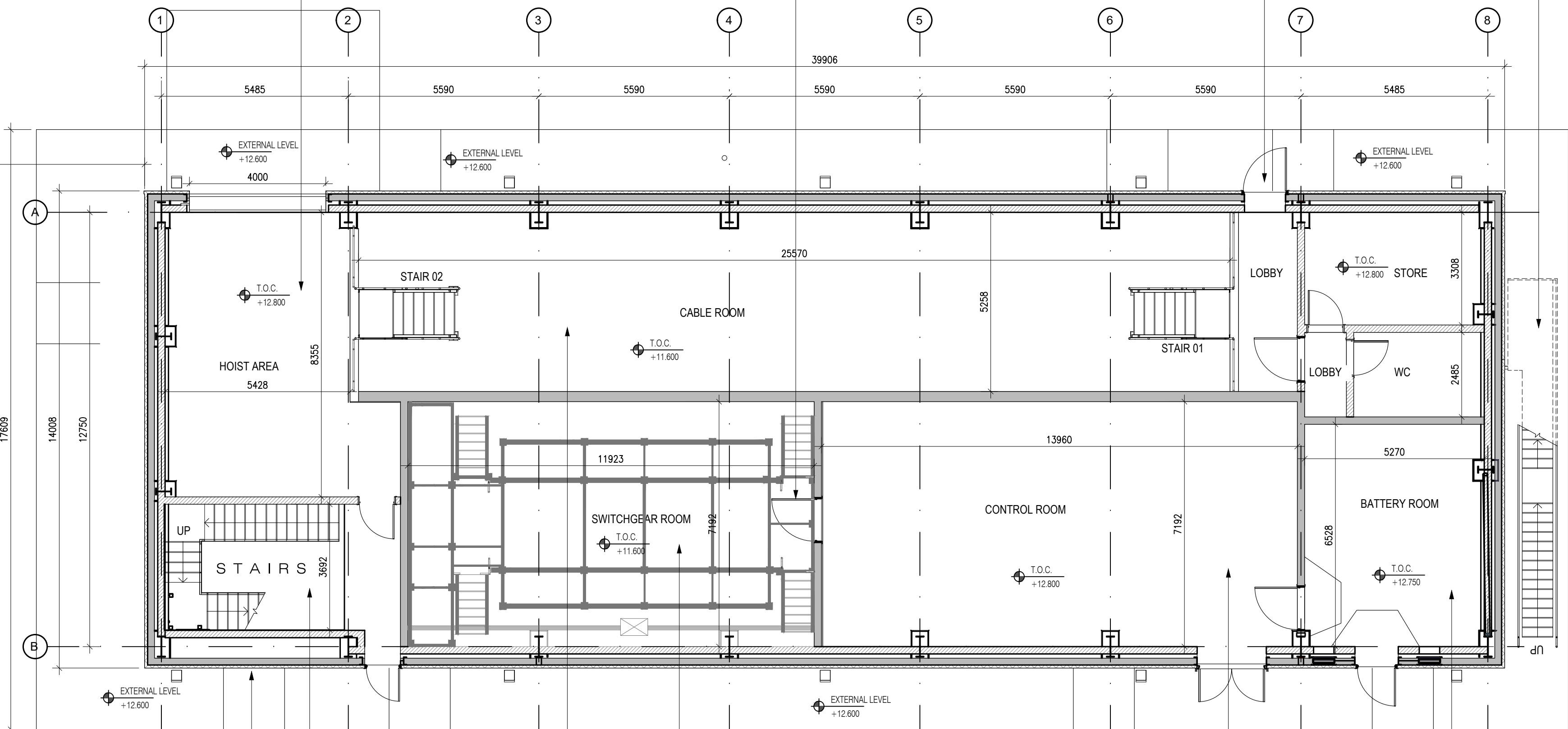
Underground reinforced concrete high-voltage cable pit providing access for incoming and outgoing transformer cabling. Stainless steel grating provided over access openings.

Transformer 1 & Transformer 2
Outdoor high-voltage power transformers installed within reinforced concrete oil containment bunds as part of the ESB Networks 110kV substation infrastructure.

NES (Neutral Earthing System) & NER (Neutral Earthing Resistor) kiosk housing electrical equipment associated with transformer neutral earthing and system protection & equipment for limiting earth fault current and protecting the electrical distribution system.

Single-leaf steel personnel access doors complete with galvanised steel frames, heavy-duty ironmongery and security locking, colour to match adjacent construction.

Galvanised steel access ladder to cable pit complete with safety hoops and associated fixings in accordance with the engineers' details.



Operational control room housing monitoring, communications and control equipment for the substation installation, incorporating a raised access floor for electrical and communication services.

Ground floor electrical switchgear room accommodating medium voltage switchgear and associated electrical distribution equipment serving the substation.

Dedicated battery room containing standby battery systems providing secure and resilient auxiliary power supplies for substation operation and protection systems.

Ground floor cable room providing containment, routing and termination space for incoming and outgoing electrical power and control cabling.

Internal stair and external access arrangements provided for safe maintenance access to the upper levels and roof in accordance with the building design.

Black insulated metal composite cladding system to GIS Building & transformer enclosure; horizontally laid secret-fix panels; colour matte black, RAL 9005 or approved equivalent; system to include all necessary concealed support rails, pressed aluminium flashings, trims, closures, soffits, internal and external corners, parapet cappings, fixings and compressible weather seals.

PROPOSED GENERAL ARRANGEMENT GROUND FLOOR PLAN

scale 1:100 at A1

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PRINT AT A1 Third Floor, 142/143 Baggot Street Lower, Dublin 2, D02P939 T: + 353 1 229 9339 E: info@ryanlamb.ie W: ryanlamb.ie			2.1	07/08/26	ISSUED FOR PLANNING	CR		
			2.1	04/08/26	ISSUED FOR REVIEW	CR		
			2.0	30/06/26	ISSUED FOR REVIEW	CR		
			1.0	28/05/26	ISSUED FOR REVIEW	CR		
ESB NETWORKS			JOB No.: 27057		DWG TAG: 0402		STATUS: PLANNING APPLICATION	
			SCALE: 1:100@A1		RIAI PROJECT: STEEVEN'S LANE 110kV GIS SUBSTATION DRAWING: PROPOSED GROUND FLOOR PLAN CLIENT: ESB NETWORKS DRAWING No: 27057-00-DTM-DR-RLA-AR-0402 RYAN + LAMB ARCHITECTS			
			DATE: JULY 2026					
			REV: 2.1					
			DRN: AC		CHKD: RR			