



Oakhurst | Energy

The renewables division of Oakhurst Southport

Proposal: Off-Grid Illuminated Pole Signs

Dowlais Top Retail Park, Merthyr Tydfil

Merthyr Tydfil FWH (1842)

Prepared for Iceland Foods Ltd

March 2026



Solar PV Sign Project

Store Name & Number: Merthyr Tydfil FWH (1842)

Address: Unit E Dowlais Top Retail Park, Merthyr Tydfil, CF48 2TA

Date : Wednesday 18th March 2026

Project Manager: Martin McCormack M. 07720 506302

Installation of 3 No. Off-Grid Internally Illuminated Pole Signs.

Works to be carried out in accordance with client specification, site requirements and applicable health & safety regulations.



Works package: Dowlais Retail Park, Iceland Foods t/a The Food Warehouse

To supply and install three single-pole solar power columns with tray over tray box signs attached. Dowlais Top Retail Park, locations around the perimeter roads and at the entrance to the Retail Park, internally illuminated signs powered by Solar PV and off-grid.

Sign 1. Double-sided pole signs with solar energy power.

Location: Entrance road to car parking area at the front of retail units- see location map.

Sign Position: Final position (in soft earth) approximately 1500 mm in from the kerbline facing the up road so the sign can be seen from afar/ from the approach road/entrance to the retail units.

Face 1. Internally illuminated with 3 tenants logos & retail park name. Box sign with rear tray mounted to pole on bracketry.

Dimensions sign box: 100mm deep x 1500 mm wide x 2.0m high: Mounted onto an approx 7m high pole. Underside of the sign 2m from ground level.

Top section: Retail park name, laser cut aluminium panel with individual black acrylic letters mounted onto opal acrylic panel providing a halo effect to black text.

Tenants Horizontal panels backlit (and subject to artwork), powder-coated faces with laser-cut graphics and a mix of digital long-life vinyl. Final spec to be agreed.

Rear of sign seen on exit from the car park to read ' Thank you for shopping at Dowlais Top Retail park' in font type as per Retail park name, specification long life vinyl mounted onto a single tray panel powder coated in ICELAND red. Size 50mm deep tray over tray panel, 1500mm wide x 2.0m high.

Energy pole with solar panels:

Top section 2 x 430w 1720 wide x 1122mm high Solar panels mounted onto bracketry and orientated to capture sunlight all year round. Built-in feeder pillar with control gear, inverter and battery storage.

Pole and base specification as per the attached drawings. Powder coated to client colour specification (to be supplied by Iceland).

Concrete base with grillage, as per the attached specification drawings.

Sign 2. Single-sided pole sign with solar energy power.

Location: Corner setting (see block plan for location) and set back behind perimeter fencing and council domain, orientated to face down the hill, approached by traffic from the roundabout at the bottom of the hill.

Single-sided pole sign. Internally illuminated with 3 tenants logos & retail park name. Box sign with rear tray mounted to pole on bracketry.

Dimensions: 100mm deep x 1500 mm wide x 2.0m high mounted onto approx. a 7m high pole. Underside of the sign 2m from ground level

Top section: Retail park name, laser cut aluminium panel with individual black acrylic letters mounted onto opal acrylic panel providing a halo effect to black text.

Tenant Horizontal panels backlit (and subject to artwork), powder-coated face with laser-cut graphics and a mix of digital long-life vinyl. Final spec to be agreed.

Energy pole with solar panels:

Top section 2 x 430w 1720 wide x 1122mm high Solar panels mounted onto bracketry and orientated to capture sunlight all year round. Built-in feeder pillar with control gear, inverter and battery storage.

Pole and base specification as per the attached drawings. Powder coated to the client's colour specification (to be supplied by Iceland).

Concrete base with grillage as per specification drawings attached.

Works package: Dowlais Retail Park, Iceland Foods t/a The Food Warehouse

Sign 3. Single-sided pole sign with solar energy power.

Location: Approached from the roundabout sited at an angle and centred on the hard standing by the entrance to the goods-in area. See the location map.

Single-sided pole sign. Internally illuminated with 3 tenants logos & retail park name. Box sign with rear tray mounted to pole on bracketry.

Dimensions sign box: 100mm deep x 1500 mm wide x 2.0m high mounted onto approx a 7m high pole. Underside of the sign 2m from ground level

Top section: Retail park name, laser cut aluminium panel with individual black acrylic letters mounted onto opal acrylic panel providing a halo effect to black text.

Tenant Horizontal panels backlit (and subject to artwork), powder-coated face with laser-cut graphics and a mix of digital long-life vinyl. Final spec to be agreed.

Energy pole with solar panels:

Top section 2 x 430w 1720 wide x 1122 mm high Solar panels mounted onto bracketry and orientated to capture sunlight all year round. Built-in feeder pillar with control gear, inverter and battery storage.

Pole and base specification as per the attached drawings. Powder coated to client colour specification (to be supplied by Iceland).

Concrete base with grillage as per specification drawings attached.

NB The top section of the pole (3m) enables orientation of the Solar PV and to eliminate shading by finding the ideal angling of the top two solar panels. This will enable maximising panel power generation.

- The pole is structurally approved for the location for forecast wind loadings.
- Artwork to be provided by Iceland Foods for the Retail Park name and featured retailers.
- Final survey required to ascertain the exact location of the base.
- Installation 3 x days with Hiab truck team delivery, plus two days for commissioning works.
- Victron monitoring is integrated into the feeder pillar with dashboard access.
- First fix concrete base and grillage, install 21st April 2026
- Second fix on 11th May 2026 may be accelerated, but this is the worst-case scenario.
- Warranty 5 years (subject to planned maintenance contract).
- Anti-climb rings are not required.

Unit E Dowlais Top Retail Park Merthyr Tydfil CF48 2TA

Sign 1 : Double sided, illumination to face elevation. Rear of sign with 'Thank you for shopping at Dowlais Top Retail Park'



Sign 2: Single sided, pole mounted, internally illuminated estate & brands sign (Off-grid)

Sign 3: Single sided, pole mounted, internally illuminated estate & brands sign (Off-grid)



Sign 1: Visual



* Reverse of solar panels



Sign 2: Visual

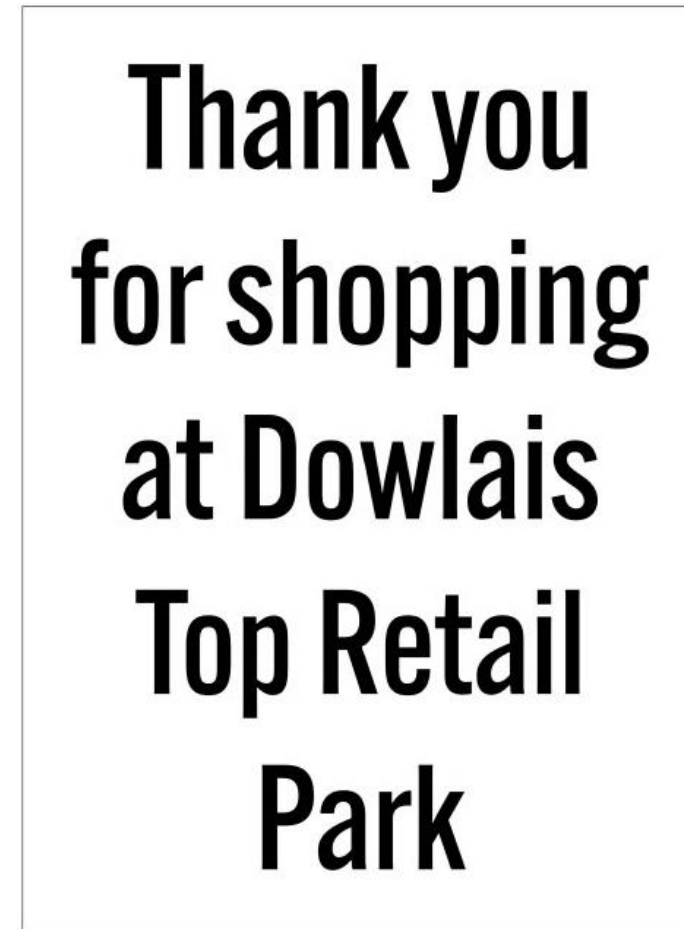




Sign 3: Visual

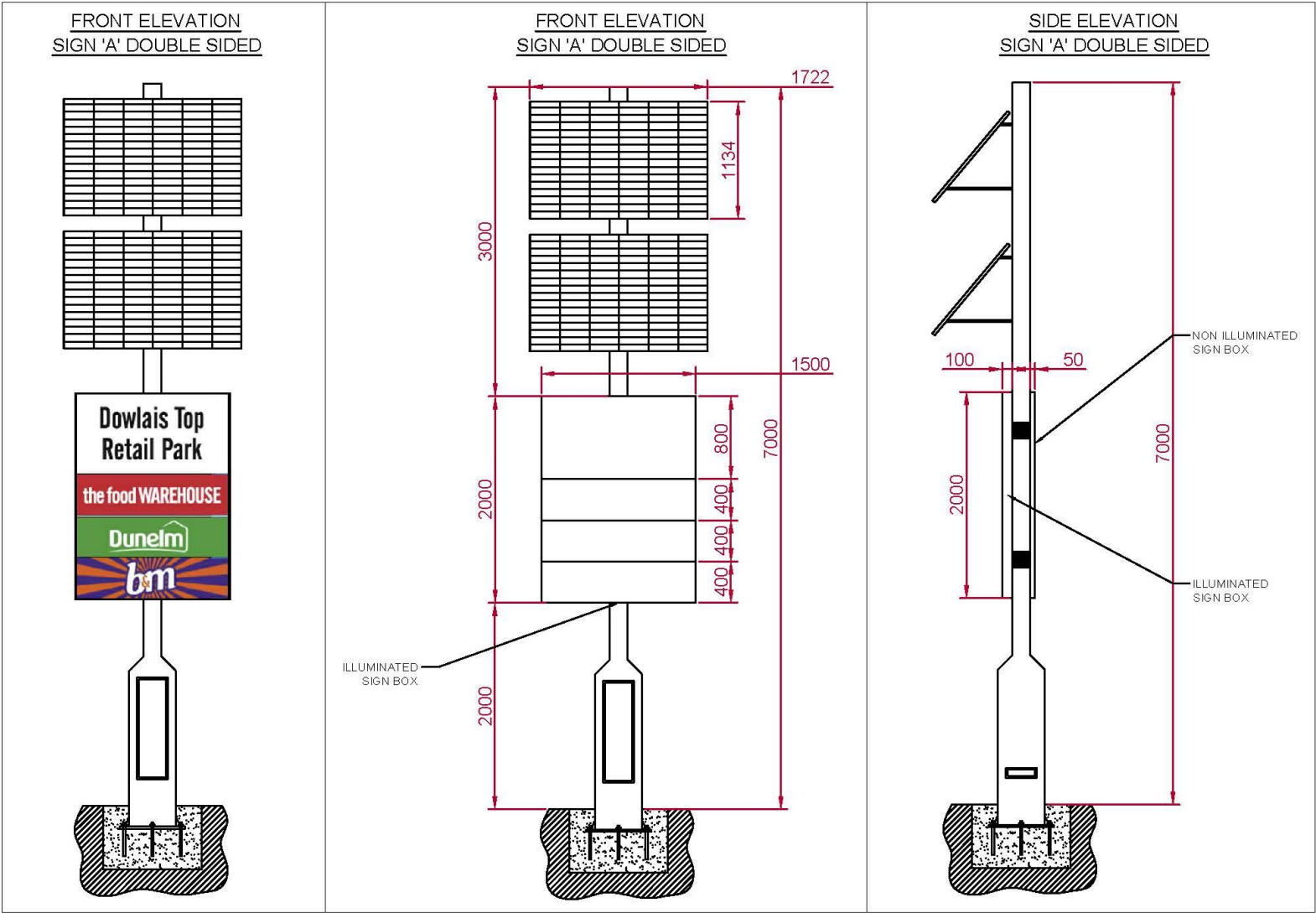


Graphic Layout Front & Back

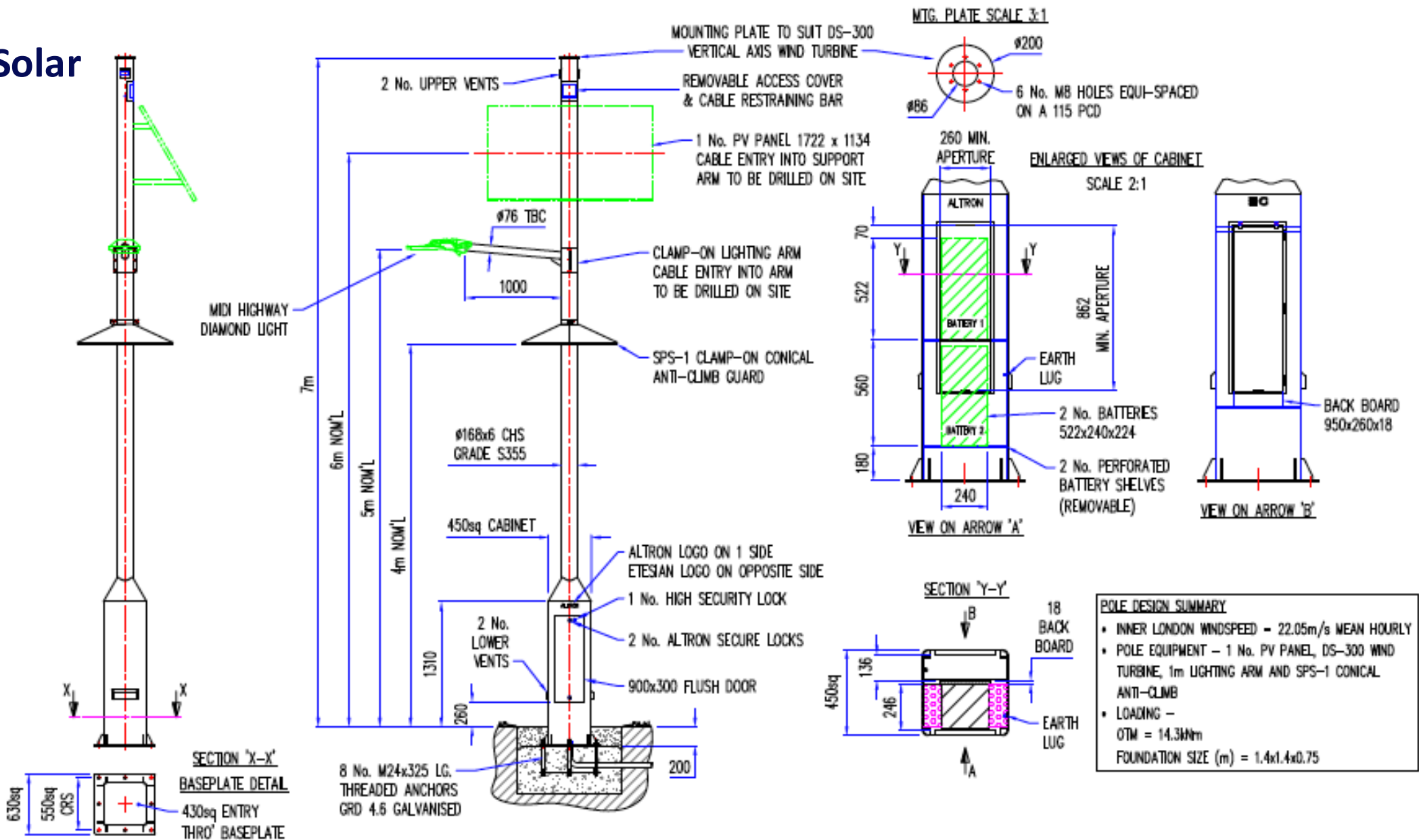


Non-illuminated rear of sign

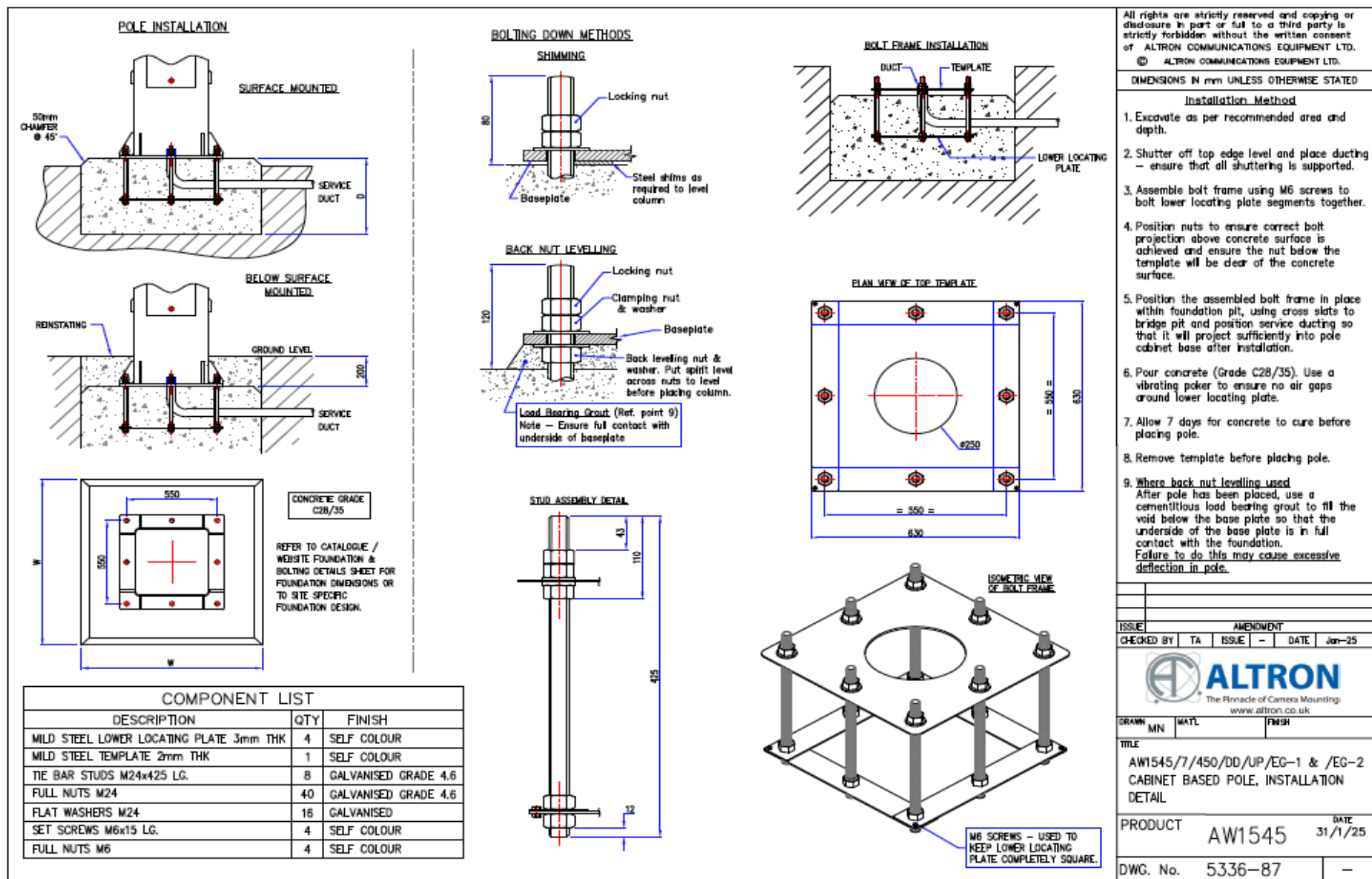
Elevation Drawings



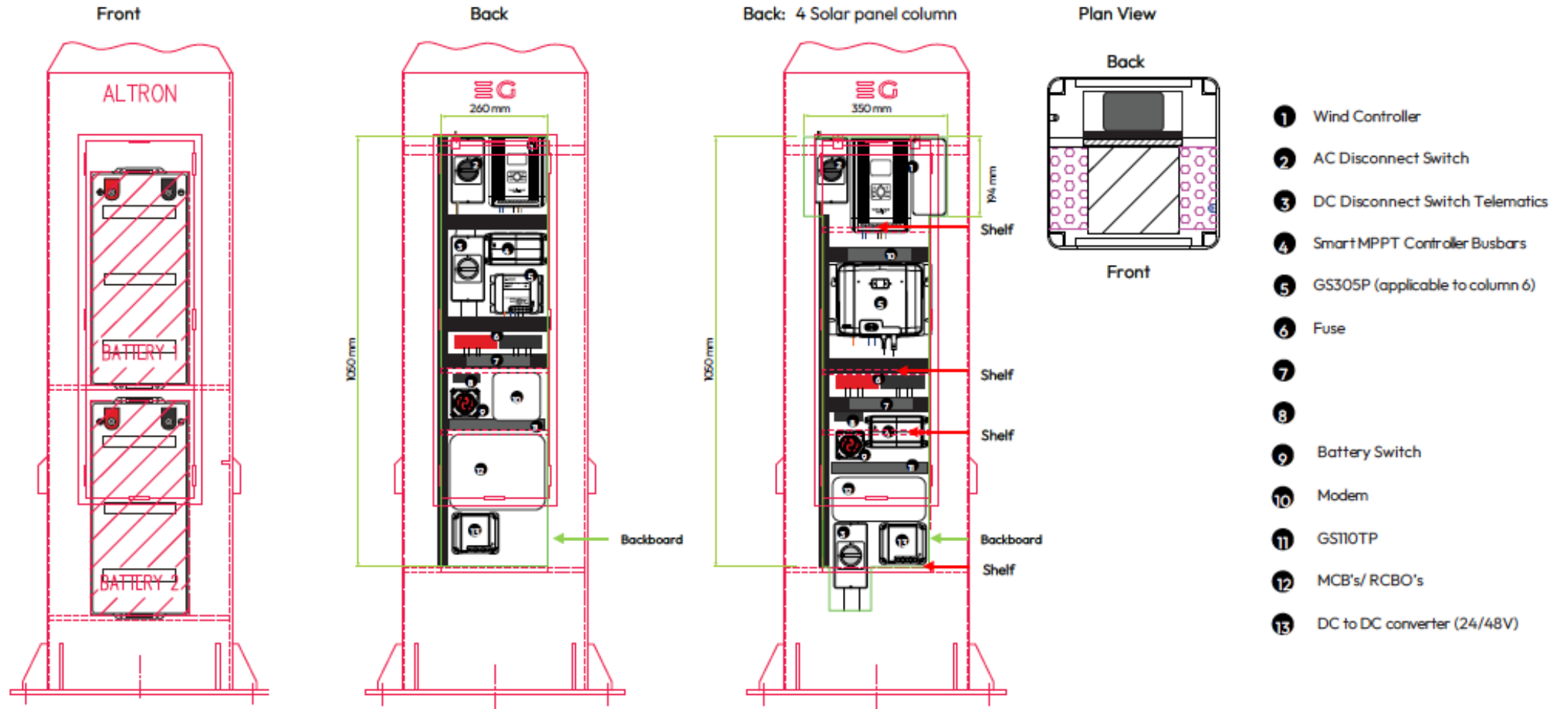
Typical Solar Energy Column



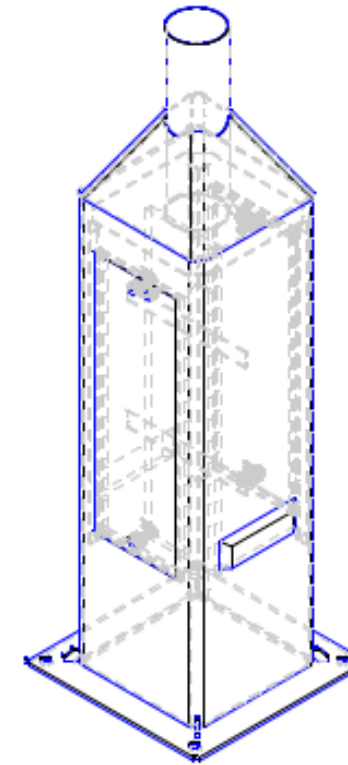
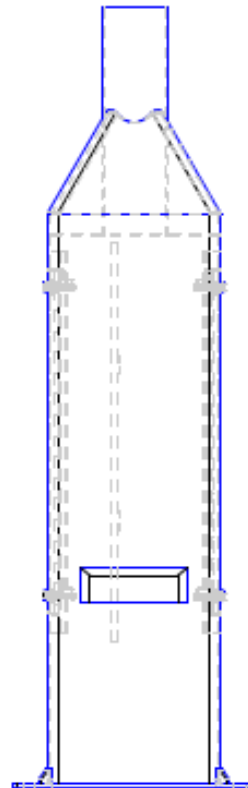
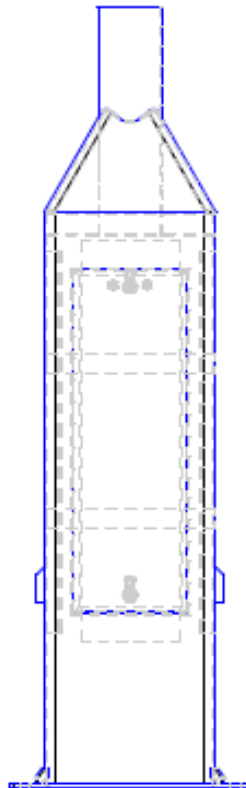
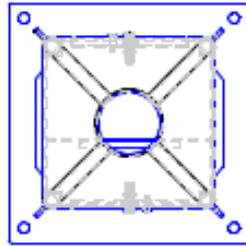
Grillage & Base Detail



Solar Energy Feeder Pillar



Solar Energy
Feeder Detail
450 mm



AW1545-6-UP 450SQ

Partnering With Oakhurst | Energy



In-House Delivery

Our dedicated specialist renewables division ensures complete control, reduced timelines and enhanced accountability. We own the process from start to finish.

Due Diligence

Oakhurst | Energy combines technical expertise with commercial acumen, underpinned by extensive industry experience, to deliver reliable due diligence.

Project De-Risking

Comprehensive insurance policies are in place and we are members / accredited / approved with NICEIC, Safe Contractor, NAPIT, NHBC & CITB.

Technical Consultancy

Oakhurst | Energy provides expert guidance and hands-on support in the development and delivery of renewable energy projects. Our services include feasibility studies, technical assessments and strategic navigation through planning, funding and regulatory processes.

End-to-End Project Management

We handle every aspect of your project, from initial site assessment, bespoke design, structural calculations, DNO approvals, permits, electrical designs, manufacturing, installation, logistics and commissioning.

Our Clients

Award-winning Net Zero technology and services.



Major UK Transport Authority

"The off-grid infrastructure solution removed the need for extensive groundworks while materially reducing capital expenditure. The pilot demonstrated clear technical reliability and provides a scalable model aligned with our long-term net-zero strategy."

UK Healthcare Trust

"The integration of on-site wind and solar generation has directly supported our decarbonisation objectives. The delivery team demonstrated a clear understanding of public sector compliance, operational sensitivity and long-term sustainability planning."



Iceland | the food
WAREHOUSE



Oakhurst | Energy

The renewables division of Oakhurst Southport

Nationwide Delivery | Retail | Commercial | Public Sector

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