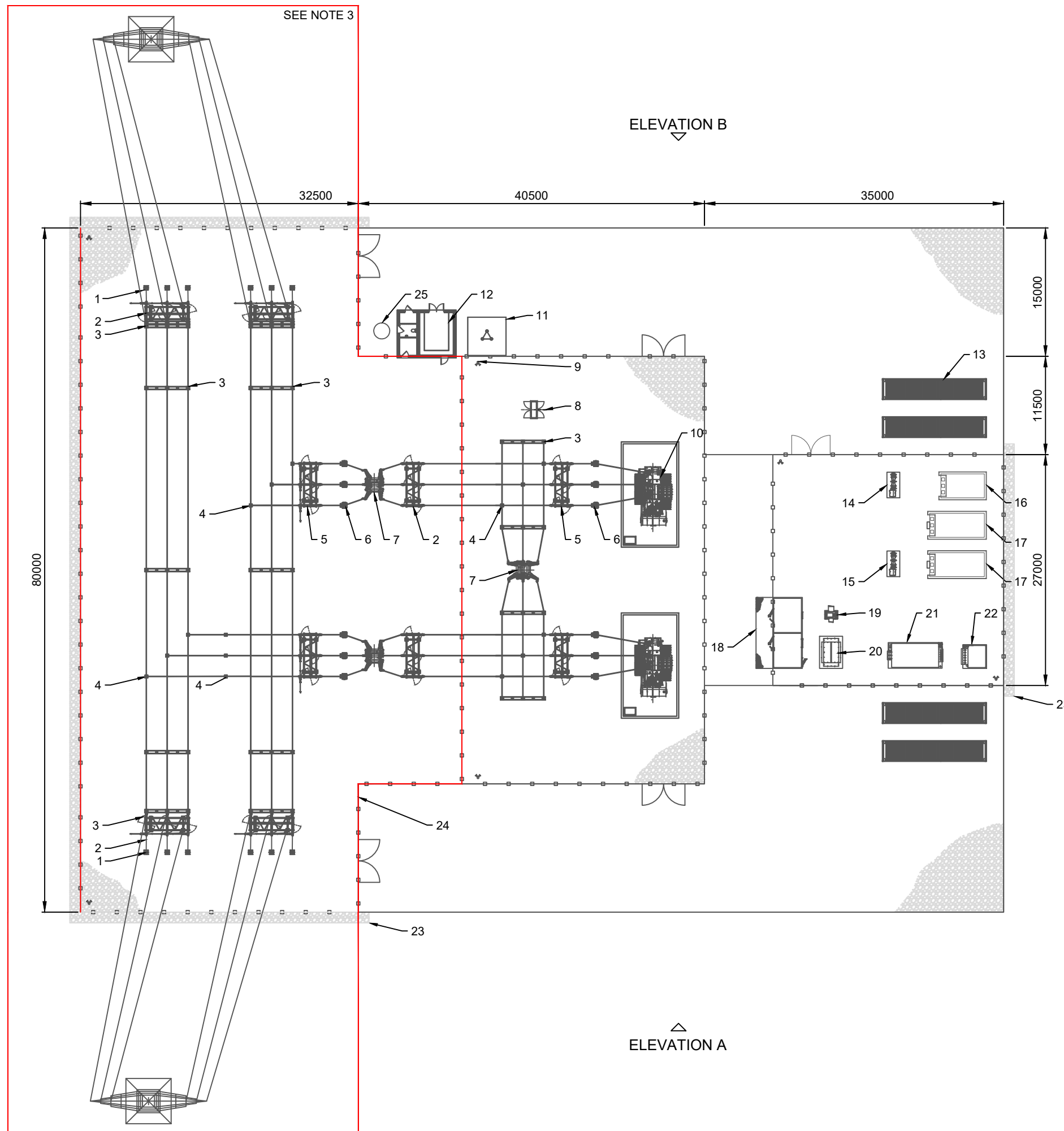


**MYNYDD MAEN  
WIND FARM**

**FIGURE 3.6a**

**SUBSTATION BUILDING  
AND COMPOUND**

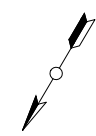


**KEY:**

- SURFACE FINISH TO COMPRISE EITHER COMPACTED TYPE 1 OR SINGLE SIZED CRUSHED ROCK.
- PALISADE FENCE

**NOTES:**

1. ALL DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE.
2. THIS DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE AT THE DETAILED DESIGN STAGE.
3. SECTION 37 PLANNING  
  
THE AREA OUTLINED IN RED INCLUDES A GRID CONNECTION TO A NEARBY OVERHEAD LINE MANAGED BY THE DNO. THIS WORK FALLS OUTSIDE TOWN & COUNTRY PLANNING AND IS THEREFORE NOT PART OF THE CURRENT MYNYDD MAEN WIND FARM PLANNING APPLICATION.  
  
THE DNO WILL ASSESS THE TOWERS, PREPARE A DETAILED DESIGN, AND SUBMIT A SECTION 37 PLANNING APPLICATION AS NEEDED.



LAYOUT DWG	N/A	T-LAYOUT NO.	N/A
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DRAWING NUMBER	04412-RES-SUB-DR-PT-001	REV	4
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SCALE - AS SHOWN @ A3

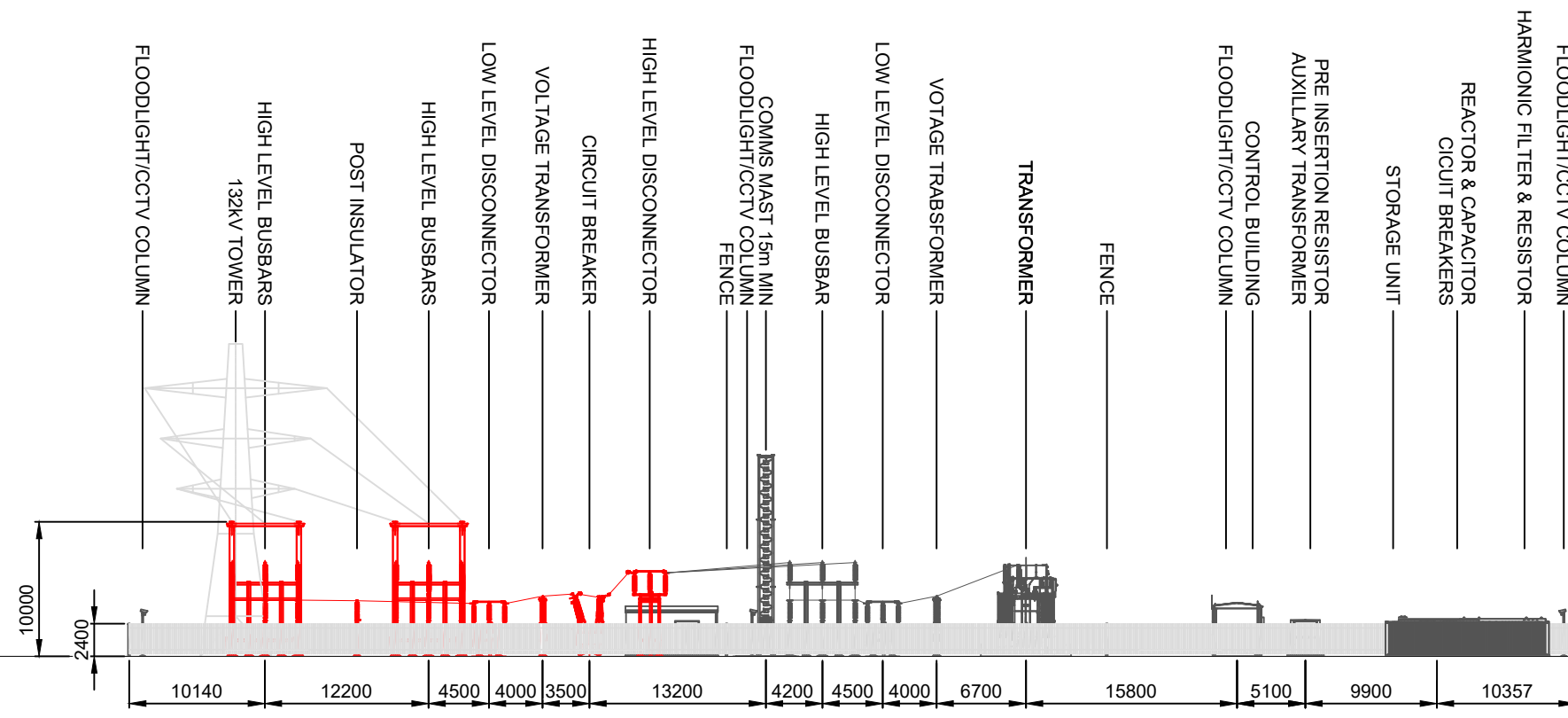
**ENVIRONMENTAL STATEMENT  
2024**

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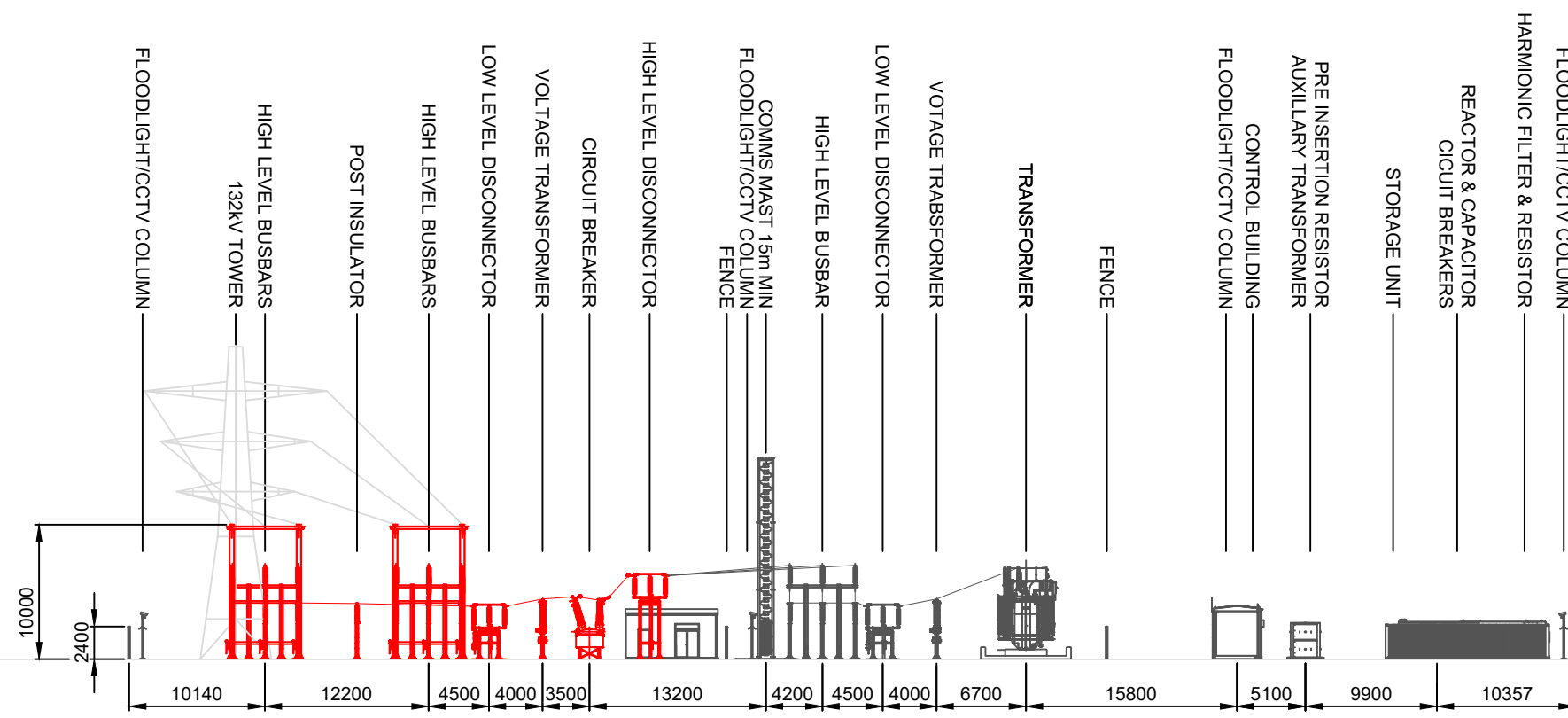
**MYNYDD MAEN  
WIND FARM**

**FIGURE 3.6b**

**SUBSTATION BUILDING  
AND COMPOUND**



**ELEVATION A  
SHOWN WITH FENCES  
SCALE 1:500**



**ELEVATION A  
SHOWN WITHOUT FENCES  
SCALE 1:500**

**NOTES:**

1. ALL DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE.
2. THIS DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE AT THE DETAILED DESIGN STAGE.
3. SECTION 37 PLANNING

THE EQUIPMENT SHOWN IN RED INCLUDES A GRID CONNECTION TO A NEARBY OVERHEAD LINE MANAGED BY THE DNO. THIS WORK FALLS OUTSIDE TOWN & COUNTRY PLANNING AND IS THEREFORE NOT PART OF THE CURRENT MYNYDD MEAN WIND FARM PLANNING APPLICATION.

THE DNO WILL ASSESS THE TOWERS, PREPARE A DETAILED DESIGN, AND SUBMIT A SECTION 37 PLANNING APPLICATION AS NEEDED.

LAYOUT DWG	N/A	T-LAYOUT NO.	N/A
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DRAWING NUMBER	04412-RES-SUB-DR-PT-001	REV	4
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SCALE - AS SHOWN @ A3

**ENVIRONMENTAL STATEMENT  
2024**

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**MYNYDD MAEN  
WIND FARM**

**FIGURE 3.6c**

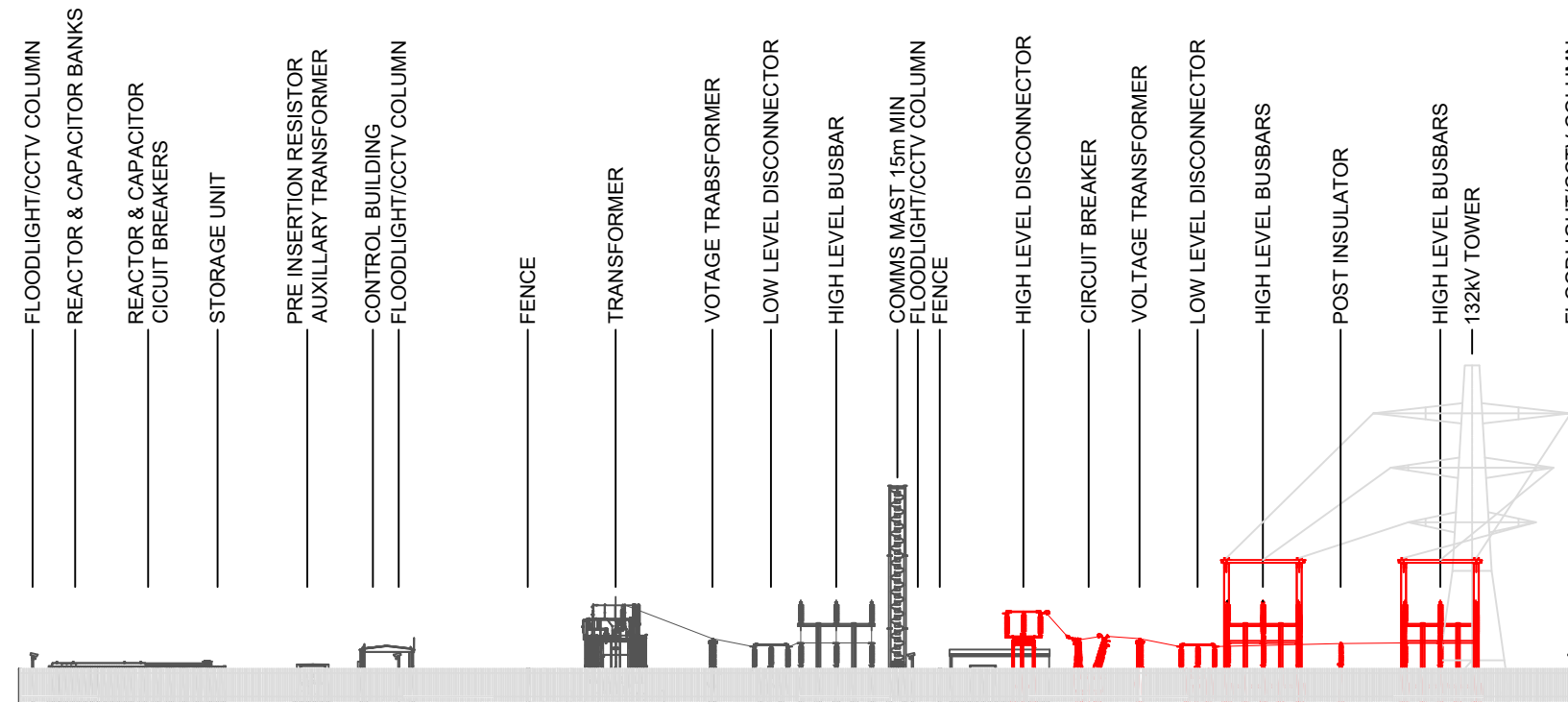
**SUBSTATION BUILDING  
AND COMPOUND**

NOTES:

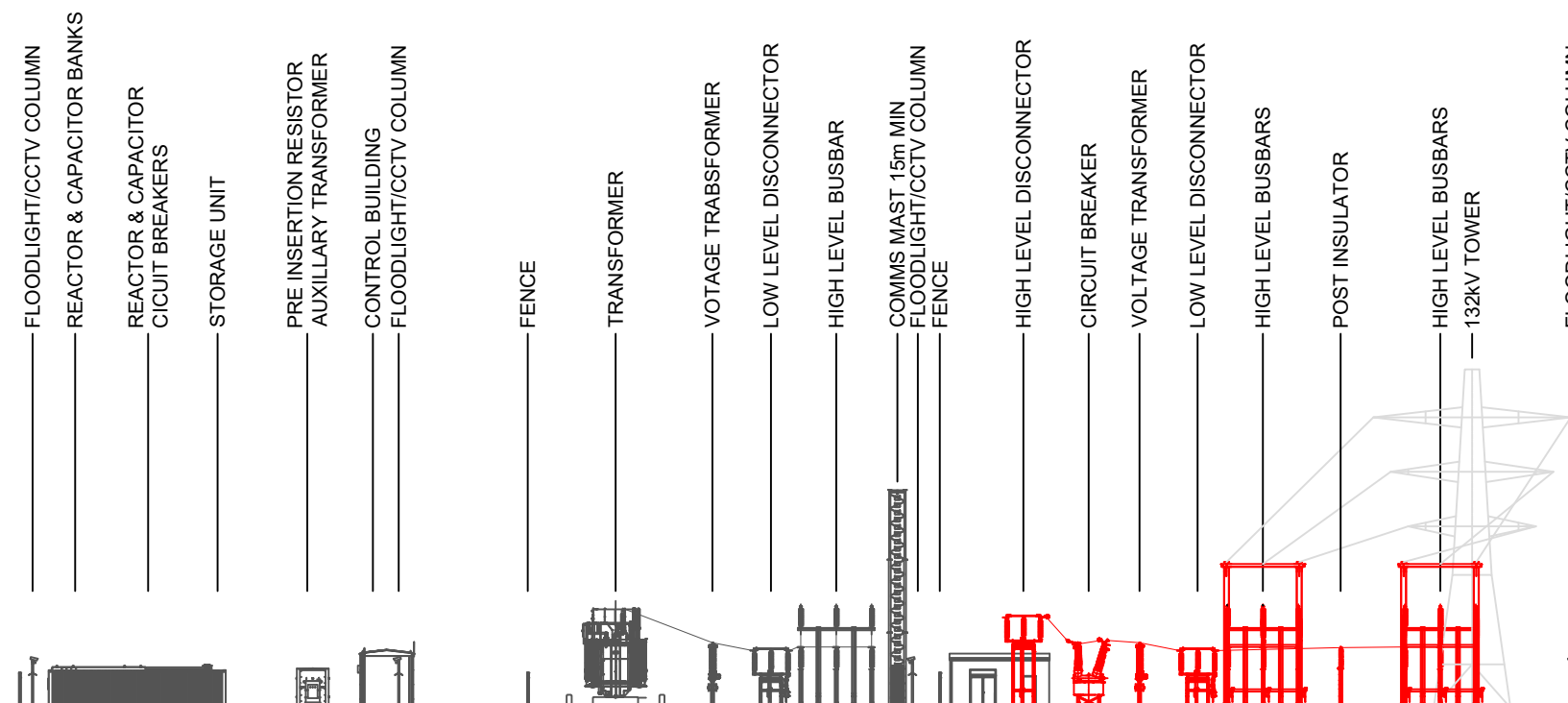
1. ALL DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE.
2. THIS DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE AT THE DETAILED DESIGN STAGE.
3. SECTION 37 PLANNING

THE EQUIPMENT SHOWN IN RED INCLUDES A GRID CONNECTION TO A NEARBY OVERHEAD LINE MANAGED BY THE DNO. THIS WORK FALLS OUTSIDE TOWN & COUNTRY PLANNING AND IS THEREFORE NOT PART OF THE CURRENT MYNYDD MEAN WIND FARM PLANNING APPLICATION.

THE DNO WILL ASSESS THE TOWERS, PREPARE A DETAILED DESIGN, AND SUBMIT A SECTION 37 PLANNING APPLICATION AS NEEDED.



**ELEVATION B  
SHOWN WITH FENCES  
SCALE 1:500**



**ELEVATION B  
SHOWN WITHOUT FENCES  
SCALE 1:500**

LAYOUT DWG	N/A	T-LAYOUT NO.	N/A
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DRAWING NUMBER	04412-RES-SUB-DR-PT-001	REV	4
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SCALE - AS SHOWN @ A3

**ENVIRONMENTAL STATEMENT  
2024**

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**MYNYDD MAEN  
WIND FARM**

**FIGURE 3.6d**

**SUBSTATION BUILDING  
AND COMPOUND**

**NOTES:**

1. ALL DIMENSIONS ARE IN mm UNLESS STATED OTHERWISE.
2. THIS DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE AT THE DETAILED DESIGN STAGE.

EQUIPMENT SCHEDULE (REFER TO FIGURE 3.6d)			
ITEM NUMBER	ITEM DESCRIPTION	DIMENSIONS (mm) (SUBJECT TO DETAILED DESIGN) L x W x H	MATERIALS / FINISH
1	SURGE ARRESTOR	500 x 500 x 4200	STEEL CONSTRUCTION
2	HIGH LEVEL STRAINER/DISCONNECTOR	2900 x 5000 x 10000	STEEL CONSTRUCTION
3	HIGH LEVEL BUSBAR SUPPORT	5280 x 5000 x 7000	STEEL CONSTRUCTION
4	POST INSULATOR	500 x 500 x 4200	STEEL CONSTRUCTION
5	LOW LEVEL DISCONNECTOR	2900 x 5000 x 4200	STEEL CONSTRUCTION
6	VOLTAGE TRANSFORMER	500 x 500 x 4500	STEEL CONSTRUCTION
7	CIRCUIT BREAKER	2500 x 3700 x 4900	STEEL CONSTRUCTION
8	MARSHALLING KIOSK	800 x 2100 x 2000	STEEL CONSTRUCTION
9	FLOODLIGHT/CCTV COLUMN	500 x 500 x 3500	STEEL CONSTRUCTION
10	TRANSFORMER	4500 x 7000 x 7000	STEEL CONSTRUCTION
11	COMMUNICATION TOWER	1500 x 1500 x 15000	STEEL CONSTRUCTION
12	WPD CONTROL BUILDING	7000 x 6000 x 3800	MASONRY-CONSTRUCTED BUILDING WITH PITCHED SLATE/ TILED
13	STORAGE CONTAINER	12192 x 2438 x 2591	PREFABRICATED STEEL ENCLOSURE
14	REACTOR CIRCUIT BREAKER	750 x 2800 x 3000	STEEL CONSTRUCTION
15	CAPACITOR CIRCUIT BREAKER	750 x 2800 x 3000	STEEL CONSTRUCTION
16	REACTOR	5100 x 2800 x 2400	STEEL ENCLOSURES CONTAINING INDUCTORS, CAPACITORS, RESISTORS
17	CAPACITOR BANK	6400 x 2800 x 2800	STEEL ENCLOSURES CONTAINING CAPACITORS AND VARIOUS ELECTRICAL EQUIPMENT
18	CONTROL BUILDING	3450 x 8300 x 4200	GRP OR STEEL PREFABRICATED BUILDING CONTAINING 33KV SWITCHGEAR AND CONTROL EQUIPMENT
19	AUXILLARY TRANSFORMER	1200 x 2000 x 2000	STEEL CONSTRUCTION
20	PRE INSERTION RESISTOR	2200 x 3300 x 2800	STEEL ENCLOSURE CONTAINING A RESISTOR (METAL)
21	HARMONIC FILTER	6500 x 2800 x 2800	STEEL ENCLOSURES CONTAINING INDUCTORS, CAPACITORS, RESISTORS
22	RESISTOR	2900 x 2600 x 2800	STEEL ENCLOSURE CONTAINING A RESISTOR (METAL)
23	CLEAN CRUSHED ROCK 1.25 METRES WIDE	-	-
24	PALLISADE FENCE 2.4 METRES HIGH	-	-
25	CESSPOOL	REQUIREMENTS SUBJECT TO DETAILED DESIGN	REQUIREMENTS SUBJECT TO DETAILED DESIGN

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER **04412-RES-SUB-DR-PT-001** REV **4**

SCALE - AS SHOWN @ A3

**ENVIRONMENTAL STATEMENT  
2024**

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