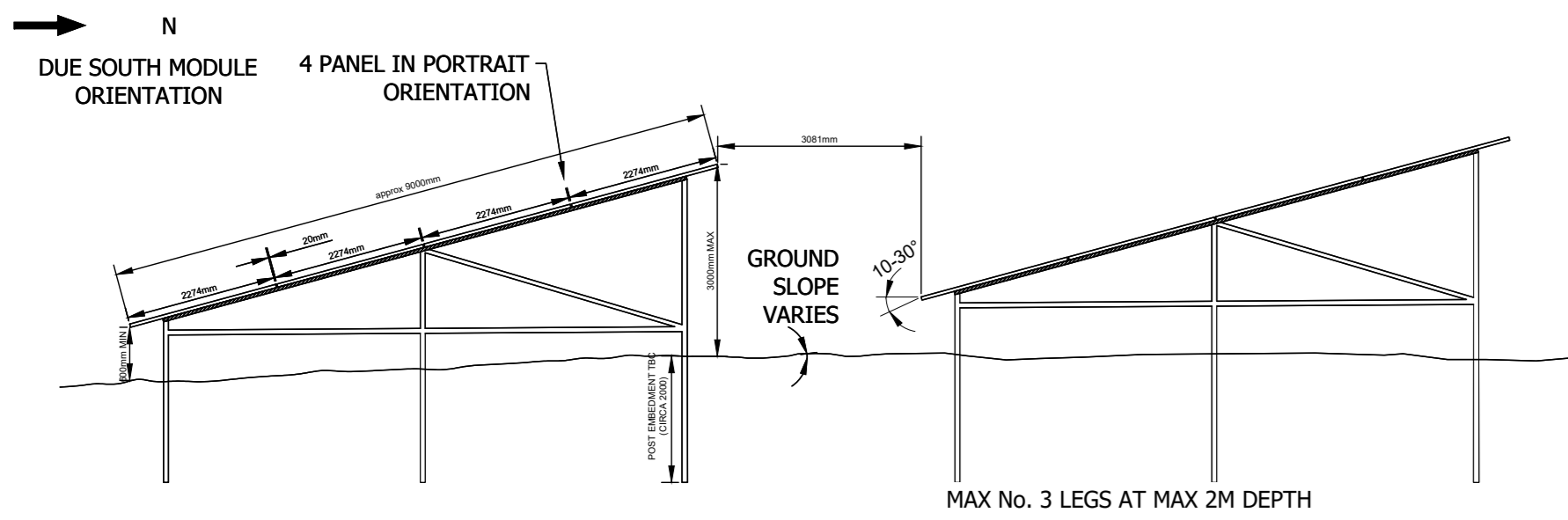


Revision: C Drawn: EL Checked: KR Approved: AB Date: 2022-12-12  
Filename: Y:\Projects\4077\_Longfield Solar\01\_Working\01\_01\_Drawing\4077\_LGF\_PFE\_00010.dwg

TYPICAL SECTION THROUGH PANEL TABLES  
SCALE 1:100



FOR ILLUSTRATION PURPOSES ONLY



**AECOM**

PROJECT  
LONGFIELD  
SOLAR FARM  
CLIENT



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LEGEND

- Order Limits
- Potential Developable Area (PDA)
- Deer Fencing
- Palisade Fencing
- Acoustic Fencing
- 4p24 PV Panel
- 4p12 PV Panel
- 4p6 PV Panel
- Balance of Solar System Locations
- Longfield Substation
- Office, Warehouse and Plant Storage Area
- BESS Phase 1
- BESS Phase 2
- BESS Rendezvous Area
- Primary Access Track
- Secondary Access Track
- Existing Private Access Track
- Existing Public Highway
- Site Entrance
- Overhead Electricity Line (11kV)
- Overhead Electricity Line (11kV) Diversion
- Overhead Electricity Line (132kV)
- Overhead Electricity Line (400 kV)
- 400kV Cable Route
- 5m Contour
- Area of Wetland
- Individual Tree
- Hedgerow
- Area of Woodland
- Bridleway
- Public Footpath
- Proposed Cycle Track
- Security Kiosk
- Site Access Layby
- BESS Internal Tracks
- Gate
- CCTV
- BESS Water Tank
- Attenuation Pond
- Drainage Pipe Network
- Bull's Lodge Extension Area

Individual PDA	PDA	Area (ha)	Capacity (MW)
1	9.80	15142.32	1.00
2	21.31	29484.96	1.00
3	11.86	16525.54	1.00
4	2.60	3718.16	1.00
5	6.03	8882.68	1.00
6	13.79	18876.48	1.00
7	5.99	8705.60	1.00
8	5.11	7474.60	1.00
9	17.34	25621.04	1.00
10	3.46	5068.08	1.00
11	4.95	7205.20	1.00
12	10.23	14939.36	1.00
13	0.76	1096.72	1.00
14	5.80	8505.14	1.00
15	20.83	29772.64	1.00
16	2.27	3340.00	1.00
17	0.93	1344.80	1.00
18	2.71	3996.24	1.00
19	7.83	11463.20	1.00
20	9.29	13592.80	1.00
21	3.78	5513.60	1.00
22	11.60	16860.24	1.00
23	17.52	25609.20	1.00
24	8.14	11979.28	1.00
25	3.92	5686.32	1.00
26	25.02	36509.88	1.00
27	9.95	14406.88	1.00
28	7.77	11321.60	1.00
29	17.69	25754.40	1.00

GEOGRAPHICAL SITE	
COORDINATES	575500,214000
MAMSL	55m
BOUNDARY AREA	452.9 ha
DEVELOPABLE AREA	275.63 ha

SITE SYSTEM	
PANEL ANGLE	15°
ARRANGEMENT	4p24; 4p12; 4p6
ORIENTATION	PORTRAIT
PANEL TOTAL	701,136
ROW SPACING	3.061m
BESS/LONGFIELD SUBSTATION AREA	6.9 ha

DC SITE POWER	
530 Wp RATING	371,602,080Wp

- NOTES:
- MINIMUM 5M ECOLOGY BUFFER ALLOWED TO ALL BOUNDARIES (PROVIDED BY AECOM).
  - MINIMUM 5M BUFFER ALLOWED TO ALL WETLANDS (PROVIDED BY AECOM).
  - MINIMUM 5M BUFFER ALLOWED TO ALL PUBLIC RIGHTS OF WAY (PROVIDED BY AECOM).
  - MINIMUM 15M BUFFER ALLOWED TO ALL HEDGEROWS (PROVIDED BY AECOM).
  - MINIMUM 15M BUFFER ALLOWED TO INDIVIDUAL TREES (PROVIDED BY AECOM).
  - MINIMUM 20M BUFFER ALLOWED TO ALL WOODLAND AND MINIMUM 30M BUFFER ALLOWED TO ALL ANCIENT WOODLAND. A MINIMUM 50M BUFFER IS APPLIED TO THE NORTH SIDE OF ANCIENT WOODLANDS (PROVIDED BY AECOM).
  - MINIMUM 50M BUFFER ALLOWED TO ALL RESIDENTIAL PROPERTIES WITH LIMITED PRE-EXISTING SCREENING (PROVIDED BY AECOM).
  - MINIMUM 50M BUFFER ALLOWED TO ALL ECOLOGICALLY DESIGNATED SITES (PROVIDED BY AECOM).
  - MINIMUM BUFFER OF 9M APPLIED TO 132 kV OHL TOWERS, AND 15 M MINIMUM BUFFER APPLIED TO 400 kV OHL TOWERS. SUBJECT TO FINAL DESIGN.
  - CLEARANCE REQUIRED DUE TO OVERHEAD LINE SAG NOT CONSIDERED AT THIS STAGE OF DESIGN.
  - MAXIMUM FOOTPRINT OF OFFICE, WAREHOUSE, AND PLANT STORAGE OF 500 SQUARE METRES.
  - WHERE UTILITY SEARCHES HAVE BEEN UNDERTAKEN AND THE INFORMATION PROVIDED HAS BEEN TAKEN ACCOUNT AS FAR AS PRACTICABLE, PRE-CONSTRUCTION SURVEYS SHOULD BE UNDERTAKEN TO DETERMINE THE EXACT LOCATION OF UTILITIES AND SERVICES.
  - PROPOSED ACCESS ROUTES INDICATIVE ONLY. FINAL EXTENT AND DESIGN TO BE CONFIRMED. ANTICIPATED ONLY PERMISSIBLE MATERIAL USED.
  - ALL PROPOSED CROSSINGS SUBJECT TO FINAL DESIGN.
  - NUMBER AND LOCATION OF SOLAR SYSTEMS SUBJECT TO FINAL DESIGN.
  - LOCATION OF PROPERTIES REMAINING UNDER CONSTRUCTION SUBJECT TO FINAL DESIGN.
  - CONTOURS OBTAINED FROM DS TERRAIN 5M MAPPING.
  - INDICATIVE INITIAL DESIGN FOR PLANNING PURPOSES. NO ELECTRICAL DESIGN UNDERTAKEN. ALL ELECTRICAL COMPONENTS SHOWN ARE ILLUSTRATIVE AND SUBJECT TO FINAL DESIGN.

Scale above 1:2,500 used as appropriate for figure requirements.



NOTES  
This drawing is to be read in conjunction with all other relevant documentation.  
All dimensions, changes, levels, and coordinates are in metres unless defined otherwise.  
This drawing is to be read in conjunction with the project health & safety file for any identified potential risks.  
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Scale above 1:2,500 used as appropriate for figure requirements.

ISSUE PURPOSE  
Environmental Statement  
APFP Regulation: 5(2)(a)

PINS REFERENCE NUMBER  
EN010118

FIGURE TITLE  
Illustrative Concept Design

FIGURE NUMBER  
Figure 2-5

