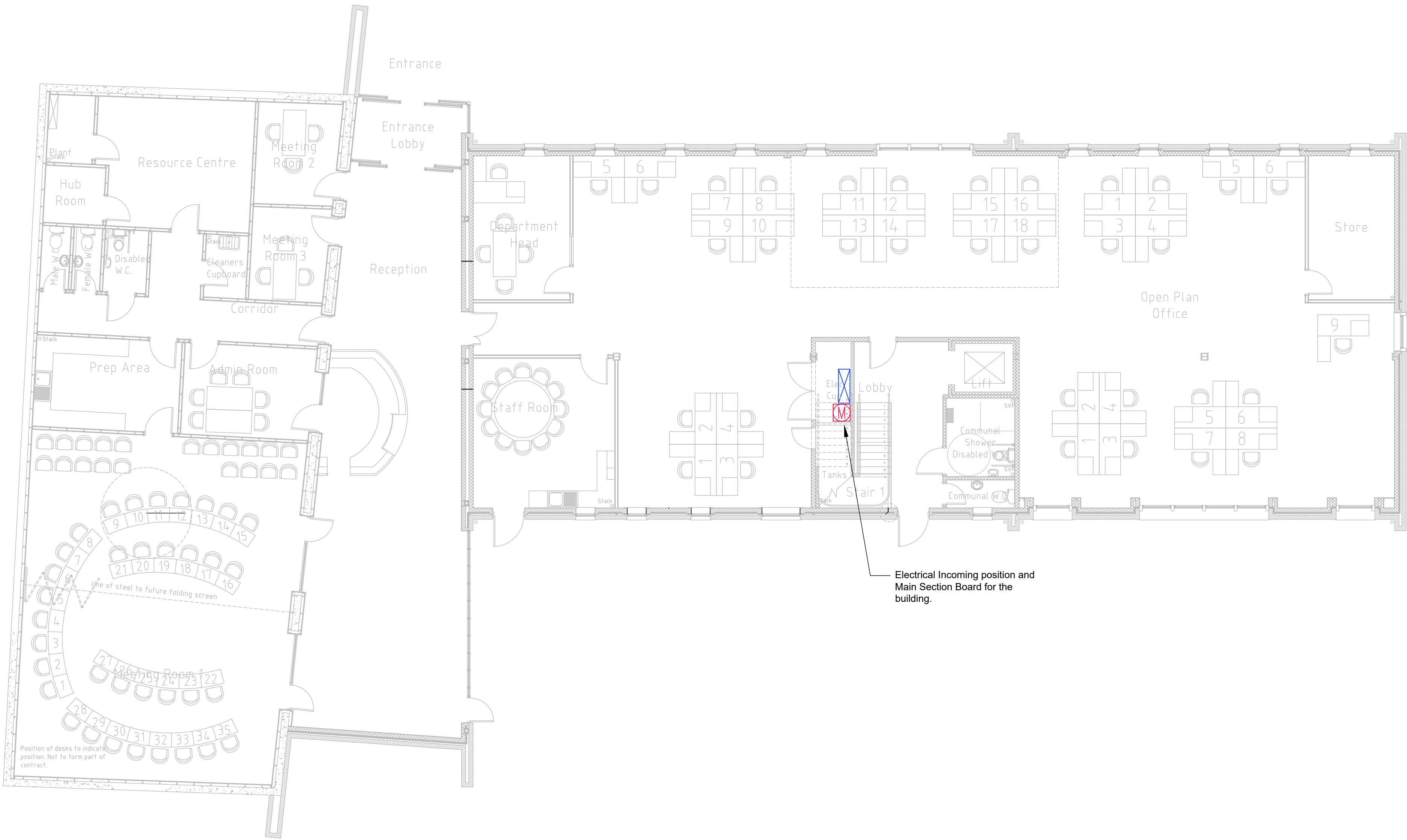


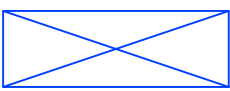


Notes

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- The drawings are representative of the work to be done and when read in conjunction with the specification enable the Tenderer to interpret the design of the works.  
It should be noted that the drawings are essentially diagrammatic and are not intended to indicate the precise disposition of the services relative to the building structure or other building services.  
Therefore the Contractor shall make provision to provide fully co-ordinated installation drawings as defined within BSRIA guide "BGS - A Design Framework for Building Services" to safely and comply fully with design activity stages 4, 5 and 6.
  - The Contractor shall include for all items shown on the drawings and described in the Electrical Engineering Specification. Refer to the issued Electrical Engineering Specification for full details of the works.
  - All electrical works shall comply with 18th Edition IET wiring regulations (BS7671) including all current amendments and guidance notes.
  - All dimensions to be checked on site.
  - All containment throughout shall be fixed to the building structure utilising metal fixings and in accordance with BS7671. No plastic rawl plugs shall be permitted.
  - All band I and band II cables shall be secured to separate galvanised steel containment with a minimum separation from power cables of 50mm at all times.



Electricity Meter



Section Board



Distribution Board



4 Pole AC Lockable Isolator



Solar PV Inverter



Solar Battery Storage

Ground Floor A1 1:100

| YD2501 - YORKSHIRE DALES NATIONAL PARK |          |          |           |                |          |          |           |                    |                                   |                                    |                                     |
|----------------------------------------|----------|----------|-----------|----------------|----------|----------|-----------|--------------------|-----------------------------------|------------------------------------|-------------------------------------|
| YORDALE OFFICE, BAINBRIDGE             |          |          |           |                |          |          |           |                    |                                   |                                    |                                     |
| REF                                    | INVERTER | CONTRACT | SIZE (KW) | PANEL TYPE     | SIZE (W) | QUANTITY | TOTAL (W) | TOTAL (Kwh/annual) | BUILDING CONSUMPTION (kWh/Annual) | REMAINING CONSUMPTION (kWh/annual) | NIGHT TIME CONSUMPTION (KWH/Annual) |
| 1                                      | SOLIS    | SEG      | 10KW      | PERLIGHT SOLAR | 270      | 37       | 9990      | 8669               | 84942                             | 76273                              |                                     |
| 2                                      | SMA      | FIT      | 8KW       | KPV            | 225      | 40       | 9000      | 7502               | 84942                             | 77440                              |                                     |
| 3                                      | TOTAL    |          |           |                |          | 77       | 18990     | 16171              | 84942                             | 68771                              |                                     |

Solar Generation Information

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |               |                |                |                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-----------------|
| T1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Tender Issue 1 |               | DR             | SW             | CR              |
| Ver.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Details        |               | JUL 25         | JUL 25         | JUL 25          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Author & Date  | Author & Date | Checked & Date | Checked & Date | Approved & Date |
| <div></div> <div>White Rose House (2nd Floor), Northallerton Business Park,<br/>Thurston Road, Northallerton, DL6 2NA Tel: 01609 797373</div> <div>Client<br/>Yorkshire Dales National Park Authority</div> <div>Project name<br/>Yorkshire Dales<br/>Solar PV Battery Storage</div> <div>Drawing Title<br/>Yordale Office, Bainbridge<br/>Ground Floor Electrical Layout - Solar PV</div> <div>Purpose<br/>Tender</div> <div>Scale<br/>1:100</div> <div>Original Size<br/>A1</div> <div>Drawing Number<br/>YD2501-APP-YO-00-DR-E-000601</div> <div>Version<br/>T1</div> |                |               |                |                |                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Drawn          | Checked       | Approved       |                |                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DR             | SW            | CR             |                |                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Date           | Date          | Date           |                |                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 21.07.25       | 27.07.25      | 21.07.25       |                |                 |