

PCH FULL DESIGN & 11-05-2024
 STRONG DESIGN REPORT
 Address: South Avenue 32, Hervey Bay, QLD 4670
 Project: Prince Charles Hospital Private Wire to Pen-Y-Dre Secondary School PV Installation

SE90K Synergy Manager	SE90K Synergy Manager
Center: 17 x 5100 34 18 x 5100 36	Center: 17 x 5100 34 18 x 5100 36
Left: 17 x 5100 34 18 x 5100 36	Left: 17 x 5100 34 18 x 5100 36
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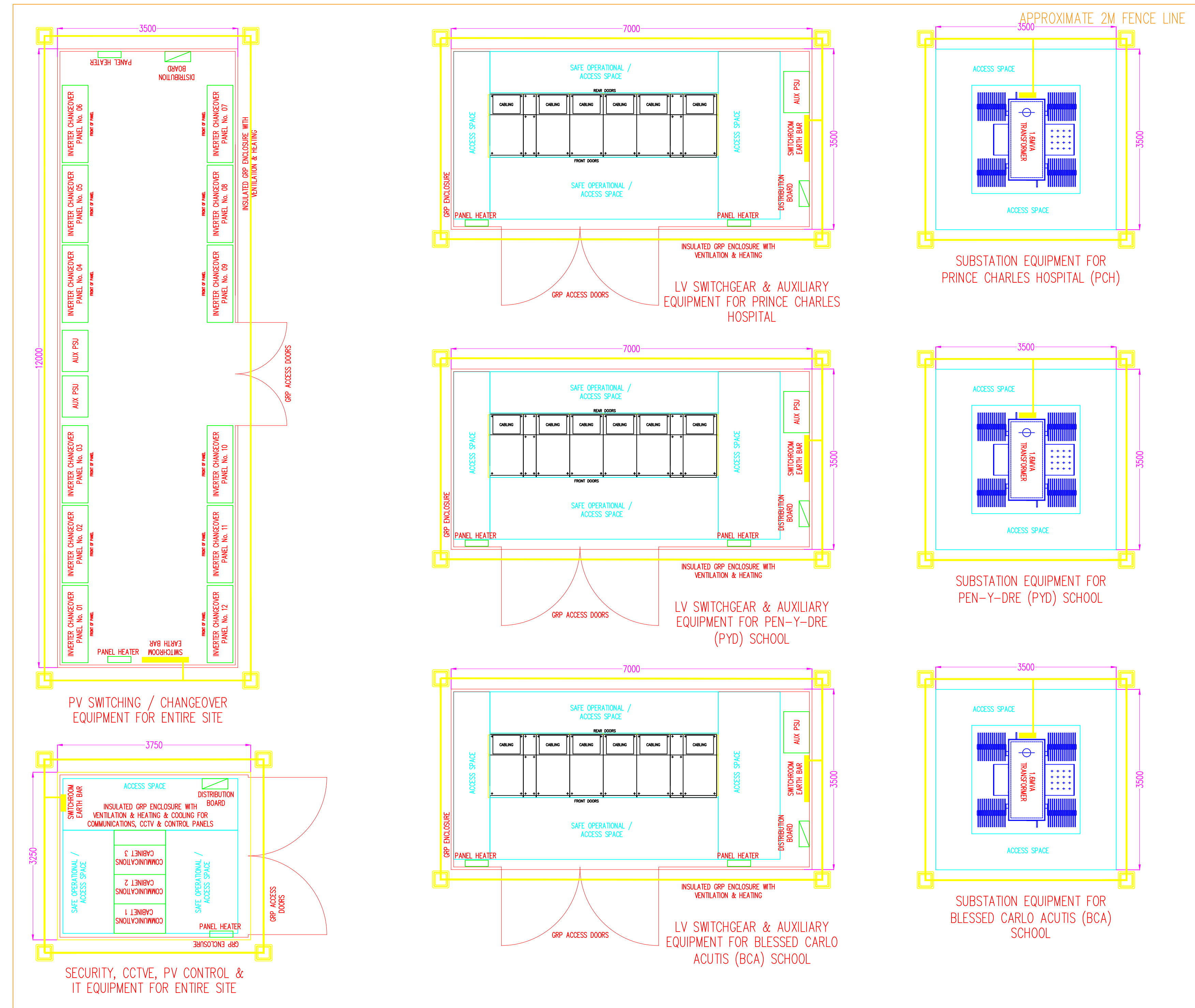
Do not scale from this drawing.
 Important dimensions indicated & detailed in the relevant specifications.

CDM Regulations:
 This drawing must be read in conjunction with the project CDM Risk Register which schedules information regarding residual risks. This drawing may also provide specific annotation regarding residual risks.

Drawing Clarifications:
 1. The design intent or construction information contained within this drawing may not be sufficient to allow for the complete & correct interpretation; ensure that this drawing is read in conjunction with all relevant associated drawings & specifications.
 2. Apparent drafting errors, omissions or differences between associated drawings are to be highlighted & brought to the attention of the design or authoring engineer.

Legend:
 ● 3m Lighting column
 ● 4m column (Lighting @3m, CCTV @4m)
 ● 4m column (Lighting @3m, 2 x CCTV @4m)
 □ 400 x 400mm Comms chamber
 □ 600 x 600mm Comms chamber
 □ SE90K Inverter
 — Comms Ducting
 — LV ducting
 — 3m Fencing

Notes:
 1. This drawing is indicative only to demonstrate the extent of the works on this site. The final design will be subject to contractor design.
 2. All PV inverters will be mounted below the PV panel tables circa 800mm - 1000mm above ground level.
 3. All cabling will be either direct buried or contained within ducts from the service compound to inverters.
 4. All GRP enclosures are assumed to be dark green in colour unless advised otherwise. GRP enclosures will have a maximum ridge height of 2.5m.
 5. Transformers will be mounted upon concrete pads / slab foundations with bundled drainage & oil separators.
 6. Service compound will have interconnected concrete trenches (no indicated) between the inverter switching enclosure, LV switchgear enclosures & the communications enclosures. Details to be finalised.



Index	Description	WOW	PRM	May 24
P1	Initial Issue			

Revisions

Index	Description	WOW	PRM	May 24
P1	Initial Issue			

Architect

Client

CONSILIUM CONSULTING ENGINEERS

Project Title
 Prince Charles Hospital Private Wire to Pen-Y-Dre Secondary School PV Installation

Drawing Title
 Electrical Engineering Systems
 PV Site wide General Arrangement Layout
 L4MW Scheme
 Technical Details

PRELIMINARY

Engineered:	Reviewed:	Authorized:
WOW	PRM	PRM
Project Reference:	Date:	Scale @ AD:
01105	May 2024	1:300
Drawing Number:		Revisions:
01105-CSG-XX-00-GA-E-703-003		P1

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