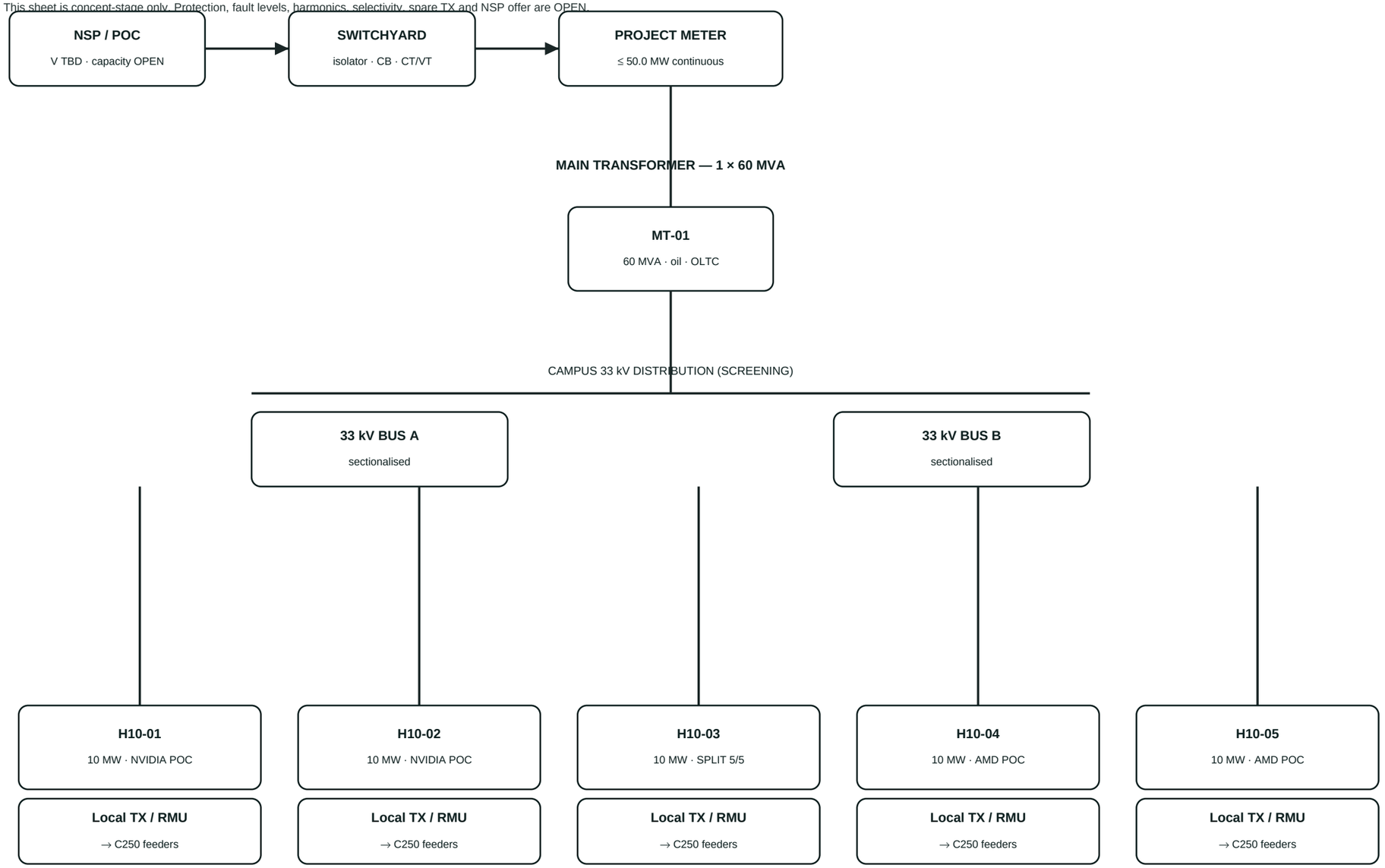
NOT FOR CONSTRUCTION

1. Boundary: ≤50.0 MW continuous facility input at proposed project meter (PF scenario 0.95 → ≈52.6 MVA).
2. Main plant (POC basis): ONE oil-immersed 60 MVA main transformer — sized above 52.6 MVA full-cap arithmetic.
3. POC voltage NSP-selected (QLD screening often 110/132 kV for 50–150 MW; 275 kV shown as optional intake graphic).
4. Downstream: sectionalised 33 kV A/B → 5 × H10 halls → local transformation → C250 feeders → OEM rack conversion.
5. Dual-OEM POC: Halls H10-01..02 + half H10-03 ≈25 MW NVIDIA; remaining ≈25 MW AMD. Final OEM schedule OPEN.
6. This sheet is concept-stage only. Protection, fault levels, harmonics, selectivity, spare TX and NSP offer are OPEN.



Legend: solid boxes = equipment groups (not detailed schematics). Protection relays, earthing transformers and harmonic filters omitted at this screening revision.

Source arithmetic: facility input 50 MW → ≈52.6 MVA at PF 0.95; main plant = 1×60 MVA; dual-OEM POC allocation for visualisation only.

ALOOM · MW50 POC Concept A

ALOOM-MW50-E-001

ELECTRICAL SINGLE-LINE DIAGRAM — CAMPUS MAIN DISTRIBUTION (SCREENING)

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