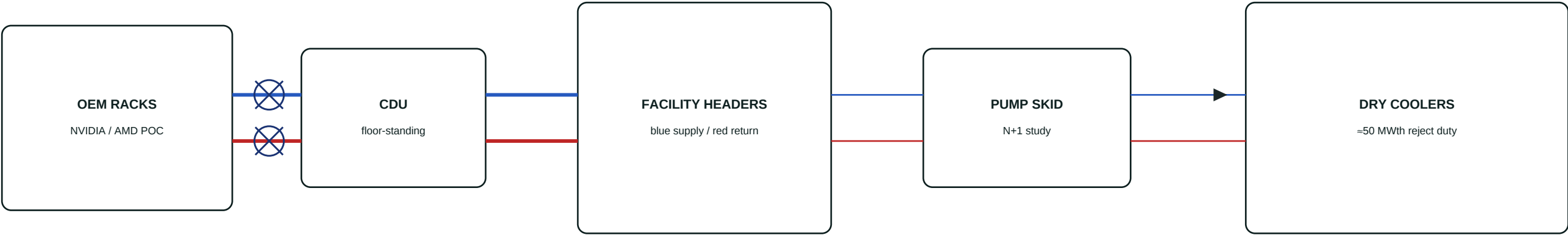


- 1. Steady-state heat balance at full facility input: $\dot{Q}_{reject,ss} \approx 50 \text{ MWth}$ (almost all electrical input becomes heat).
- 2. Colour code: BLUE = facility supply · RED = facility return. Temperatures, capture fraction and rejection technology remain SITE-SPECIFIC / OPEN.
- 3. Each cutaway hall shows rack → CDU → headers. Campus dry coolers / adiabatic banks are indicative only.
- 4. Dual-OEM POC does not change the campus thermal boundary; rack manifold geometry differs by silicon family.
- 5. No PUE claim. Water chemistry, acoustics, redundancy (N+1 study input) and ride-through are OPEN.



HALL MULTIPLICITY

Repeat liquid loop per H10 hall (5 halls). Shared campus rejection plant may be commoned subject to accepted failure-domain analysis.

Indicative water-equivalent flow at 50 MWth: $\Delta T \ 10 \text{ K} \approx 4,306 \text{ m}^3/\text{h}$ · $\Delta T \ 15 \text{ K} \approx 2,871 \text{ m}^3/\text{h}$ · $\Delta T \ 20 \text{ K} \approx 2,153 \text{ m}^3/\text{h}$ (scenario only).

Instruments (TT/PT/FT), chemical dosing, filtration and leak detection omitted at screening revision.

LINE LEGEND

Facility supply (CHW)

Facility return



Isolation valve (schematic)

P&ID is schematic only — not for construction, fabrication or tender. Close thermal duty via site ambient, OEM liquid interface and accepted redundancy study.