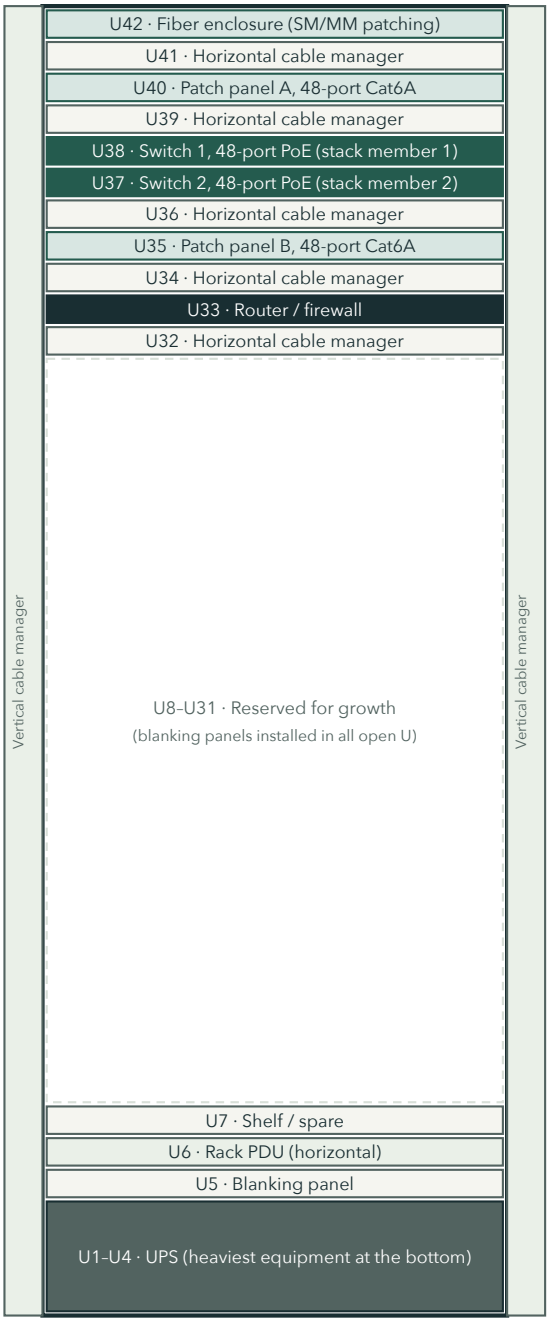
WORK SAMPLE 3 · GENERIC EXAMPLE

Generic 42U network rack elevation (IDF)

A standard front elevation for an access-layer closet: patch panels and switches in the upper rack positions with the two stack members adjacent, horizontal and vertical managers for patch-cord routing, blanking panels in open spaces and heavy equipment at the bottom. U positions are counted from the bottom.



01 Layout rules

- [ ] Each patch panel sits next to the switch stack it serves, with a horizontal manager between them, so patch cords stay short.
- [ ] The two stack members are adjacent; vertical managers on both sides.
- [ ] Heavy equipment (UPS, batteries) at the bottom for stability and safe lifting.
- [ ] Blanking panels in every open U; confirm airflow direction and blanking requirements for the selected equipment.
- [ ] 40% spare switch ports and reserved rack space for growth, unless the approved equipment plan sets otherwise.
- [ ] Rack bonded to the telecommunications grounding busbar.

02 Labeling scheme (example)

LABEL	MEANING
`IDF2–R1–U40`	Closet 2, rack 1, rack unit 40
`IDF2–PPA–17`	Patch panel A, port 17 (matches the wall-plate label)
`IDF2–SW1–1/0/17`	Stack member 1, port 17
`IDF2–AP–07`	Access point 7, served by PPA-17

03 Documentation delivered

- [ ] Rack elevation, updated to as-built.
- [ ] Port map: wall plate to patch panel to switch port to device.
- [ ] Link test results for every run; where permitted, front and rear photos of the finished rack.

Adam Fry · Network Field Engineer · +1 812 320 9626