

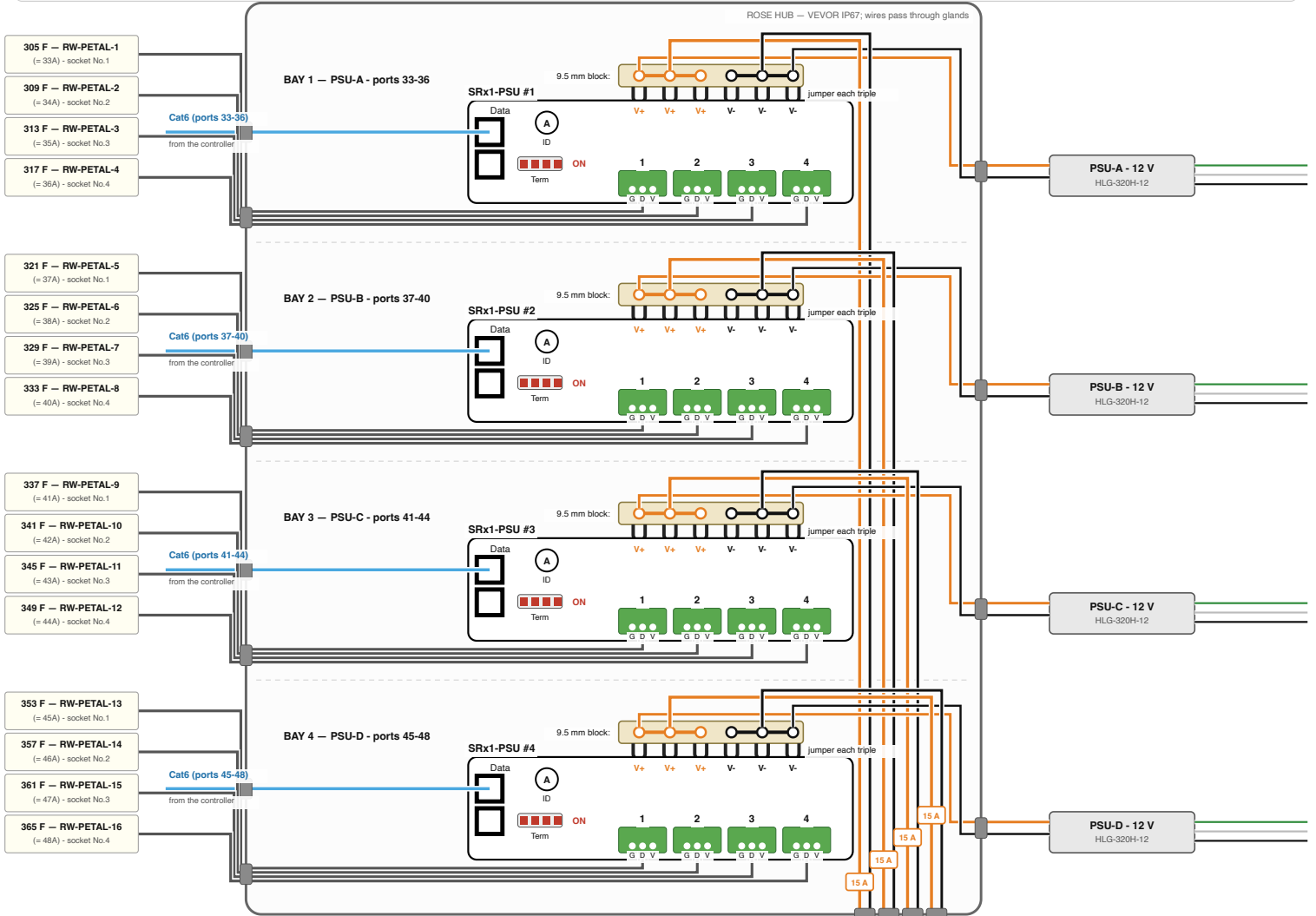
Build sheet — ROSE HUB (SR 33-48)

Rose window - 4x SRx1-PSU boards in ONE VEVOR box - the ONLY zone where LED power flows THROUGH the boards - v20

WALLS (08-01 assembly): petal pigtails + all four Cat6 LEFT - PSU feeds RIGHT (latch side) - rose-center trunks BOTTOM - NO holes in the top wall.

Parts for this box

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| ☐ VEVOR 13.78 x 9.84 x 5.90 in IP67 latching box (the hub) | ☐ Pigtail 305 F — RW-PETAL-1 (= 33A) | ☐ Pigtail 337 F — RW-PETAL-9 (= 41A) |
| ☐ 4x SRx1-PSU boards (fork-mount) — ALL ID dials A - termination ON on all 4 | ☐ Pigtail 309 F — RW-PETAL-2 (= 34A) | ☐ Pigtail 341 F — RW-PETAL-10 (= 42A) |
| ☐ 4x uxcell 9.5 mm (3/8 in) 6-pos DUAL-ROW terminal blocks + V+/G jumpers — forks clamp the FRONT row, PSU feeds BACK ROW | ☐ Pigtail 313 F — RW-PETAL-3 (= 35A) | ☐ Pigtail 345 F — RW-PETAL-11 (= 43A) |
| ☐ 4x HLG-320H-12 PSUs (A / B / C / D) — mount OUTSIDE the box | ☐ Pigtail 317 F — RW-PETAL-4 (= 36A) | ☐ Pigtail 349 F — RW-PETAL-12 (= 44A) |
| ☐ 4x ROSE-CENTER trunks: 12 AWG pair + 15 A fuse each (petal 4-way split happens AT the rose center) | ☐ Pigtail 321 F — RW-PETAL-5 (= 37A) | ☐ Pigtail 353 F — RW-PETAL-13 (= 45A) |
| ☐ Glands: 1x 4-port per bay (petal pigtails, LEFT wall) - PG16 per trunk (BOTTOM) + per PSU feed (RIGHT) | ☐ Pigtail 325 F — RW-PETAL-6 (= 38A) | ☐ Pigtail 357 F — RW-PETAL-14 (= 46A) |
| ☐ 1x PG25 4-port gland: all four Cat6 | ☐ Pigtail 329 F — RW-PETAL-7 (= 39A) | ☐ Pigtail 361 F — RW-PETAL-15 (= 47A) |
| | ☐ Pigtail 333 F — RW-PETAL-8 (= 40A) | ☐ Pigtail 365 F — RW-PETAL-16 (= 48A) |



ROSE-CENTER trunk A (12 AWG - 15 A) — PETALS 1-4 far ends - leads 306 / 310 / 314 / 318 — exits the BOTTOM wall — stub 496 F (DTP, 12 V keyed)

ROSE-CENTER trunk B (12 AWG - 15 A) — PETALS 5-8 far ends - leads 322 / 326 / 330 / 334 — exits the BOTTOM wall — stub 497 F (DTP, 12 V keyed)

ROSE-CENTER trunk C (12 AWG - 15 A) — PETALS 9-12 far ends - leads 338 / 342 / 346 / 350 — exits the BOTTOM wall — stub 498 F (DTP, 12 V keyed)

ROSE-CENTER trunk D (12 AWG - 15 A) — PETALS 13-16 far ends - leads 354 / 358 / 362 / 366 — exits the BOTTOM wall — stub 499 F (DTP, 12 V keyed)

RULES

- ROSE EXCEPTION: 12 V petal power flows THROUGH the SRx1-PSU boards — the ONLY zone wired this way.
- NEVER cross bays: a petal's BOTH ends (socket pigtail + far-end branch) must ride the SAME PSU.
- Mixing bays ties two PSUs together through the petal — that can FRY the PSUs. Match PETAL numbers everywhere.
- Each petal pigtail carries G + D + V+ from its socket (drawn as one cable).
- PSU feed lands on the strip's outer posts; jumpers bridge each triple; the board forks clamp under the screws.
- Blocks are uxcell 9.5 mm dual-row (08-05: boards measure 3/8 in fork centers — the 7.62 mm strips did NOT fit). Clamp ONE board before building all four.
- FAR ENDS: one 12 AWG trunk per bay, 15 A fused HERE, OUT THE BOTTOM WALL - the 4-way split and its 5 A per-petal fuses live AT THE ROSE CENTER.
- All 4 ID dials = A - termination ON on all 4 - one PG25 4-port gland (LEFT wall) carries all four Cat6.
- WALL MAP (08-01 assembly): data LEFT (pigtails + Cat6) - PSU feeds RIGHT (latch side) - trunks BOTTOM - NO holes in the top wall.

V+ 12 V (orange) Ground (black) Data / Cat6 (blue) petal pigtail = 3-core cable AC: gm/wht/blk