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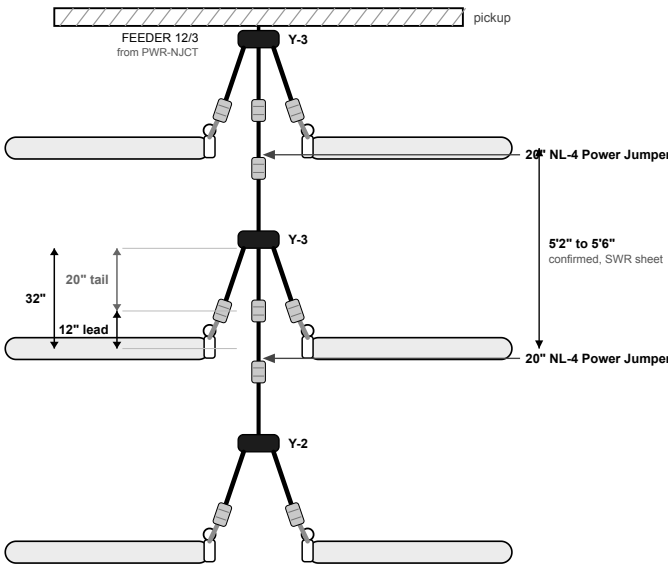
WYE CHAIN PLAN

Spec #: KG3-BEA-DROP-01 R4 **Job:** Beabadoobee 2026 Headline Tour **Date:** September 1, 2026

Every injection column is one chain of molded Wyes hanging on the power drop. At each run the Wye sends one leg into the end of the rope arriving at the column and one leg into the start of the rope leaving it, so the two rope segments are fed separately and never tie together. The third leg carries on down to the next run.

MID SPAN COLUMN, THREE RUNS, DRAWN TO SCALE

Y-3 at each upper run, Y-2 at the bottom. End columns swap to Y-2 upper and a straight run at the bottom.



PIECE LENGTHS

PIECE	LENGTH
Wye, stock molded	45″ end to end legs 20″ with the NL4 on · body 5½″
Jumper	run gap minus 45″
LED lead	12″ finished
Wye body above its rope	20 + 12 = **32″**

PIN MAP, EVERY END

Wired to the nl4-spi map so the same cable can carry SPI later:
1+ = V+ · 2- = GND · 1- = SPI DATA · 2+ NOT USED
Pin 1- is landed in every cable so the 12/3 can carry data later, and left empty on the NL4 inside the PWR-NJCT box and the rack.
On this show every drop carries power only. Data starts at the pylon rack and rides through the rope.

COLUMN	BUILD	JUMPERS	STRAIGHT TO THE LAST ROPE
NJCT 1 DSP split NJCT 3 USP split	Mid span, 3 runs Y-3, Y-3, Y-2	2 × 20″ stock	none
NJCT 2 DS end NJCT 4 US end	End column, 3 runs Y-2, Y-2, straight	1 × 20″ stock	NJCT 2 5′1.25″ · NJCT 4 4′11.25″
NJCT 5 AP1 NJCT 6 AP2	Mid span, 2 runs Y-3, Y-2	AP1 64″ · AP2 104″	none
NJCT 7 AP3	End column, 2 runs Y-2, straight	none	13′0.25″

- **Cable is 12/3 SOOW throughout**, drops, jumpers and straights alike.
- **Run spacing is confirmed** at 5′2″ to 5′6″ from the Rig Nation SWR schedule, with the top run 3′1″ to 3′5″ below the pickup. A 20″ stock jumper covers every DS and US gap with 0 to 3″ of slack, so only the two audience jumpers are cut long.
- **A KG3 rigging ring sits at every rope end**, lift eye and safety eye, 5/8″ eye opening. See KG3-BEA-RING-01.
- **Connector convention: male toward the source, female toward the load**, so a live pin is never left exposed. Wye input is male, wye outputs are female, and each jumper and straight is male at the top and female at the bottom. Cables mate directly, so a barrel is only needed where two female ends meet. The LED rope leads are male on one end and female on the other, so every rope points the same way and the end arriving at a column is male. The main rack feeders stay female to female, NL4 and NL8 alike.
- **Every section disconnects and coils on its own** for the truck pack.
- Per column elevations, the full piece schedule and the label index are on KG3-BEA-INJ-01.