



401 E Trinity Ln, Suite 120
Nashville, TN 37207
(615) 904-5640
kenny@kg3.io

INJECTION CABLE MAP

Spec #: KG3-BEA-INJ-01 R2

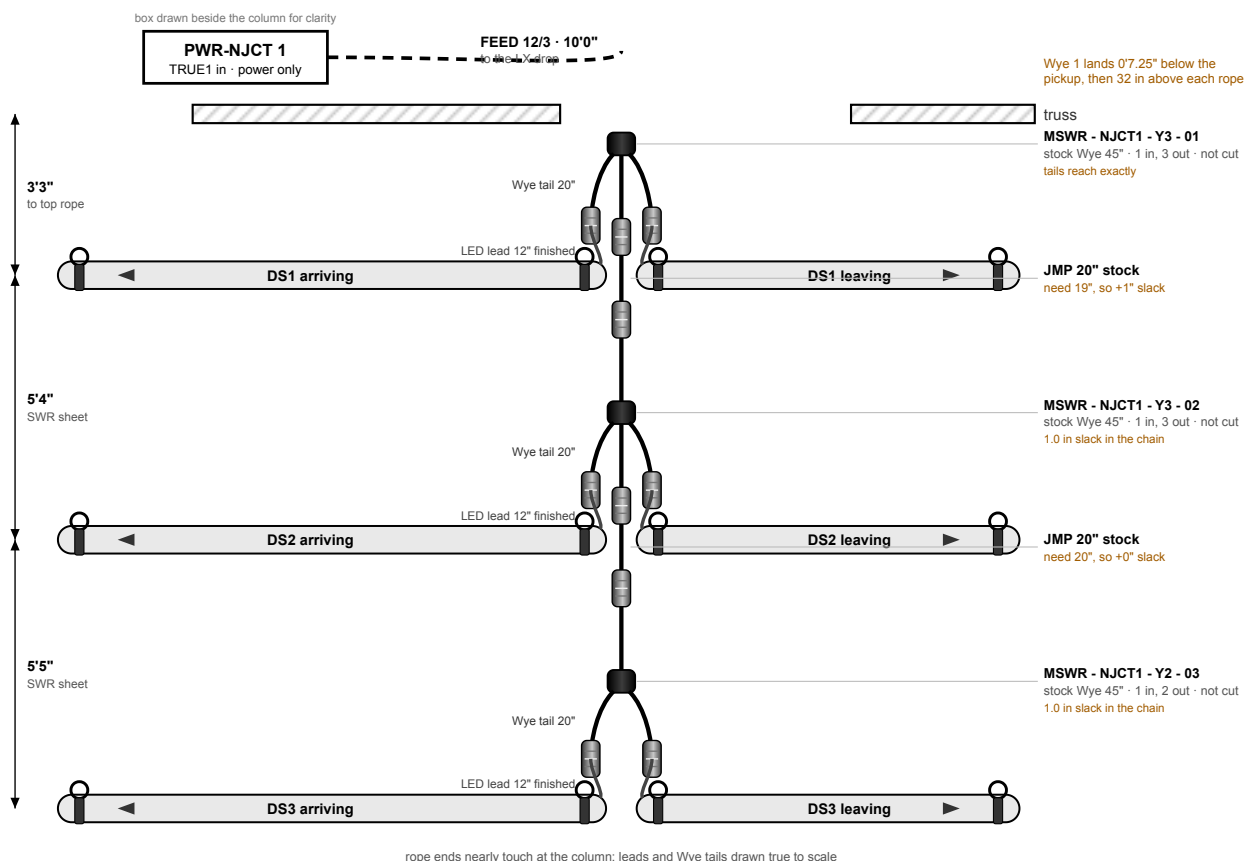
Job: Beabadoobie 2026 Headline Tour

Date: September 1, 2026

Every power injection assembly on the job, laid out against the rope spacing production confirmed on September 1 (Josh Slade, SWR schedule). Each piece has its own serialized ID and its own label.

MSWR - NJCT 1 · DSP SPLIT

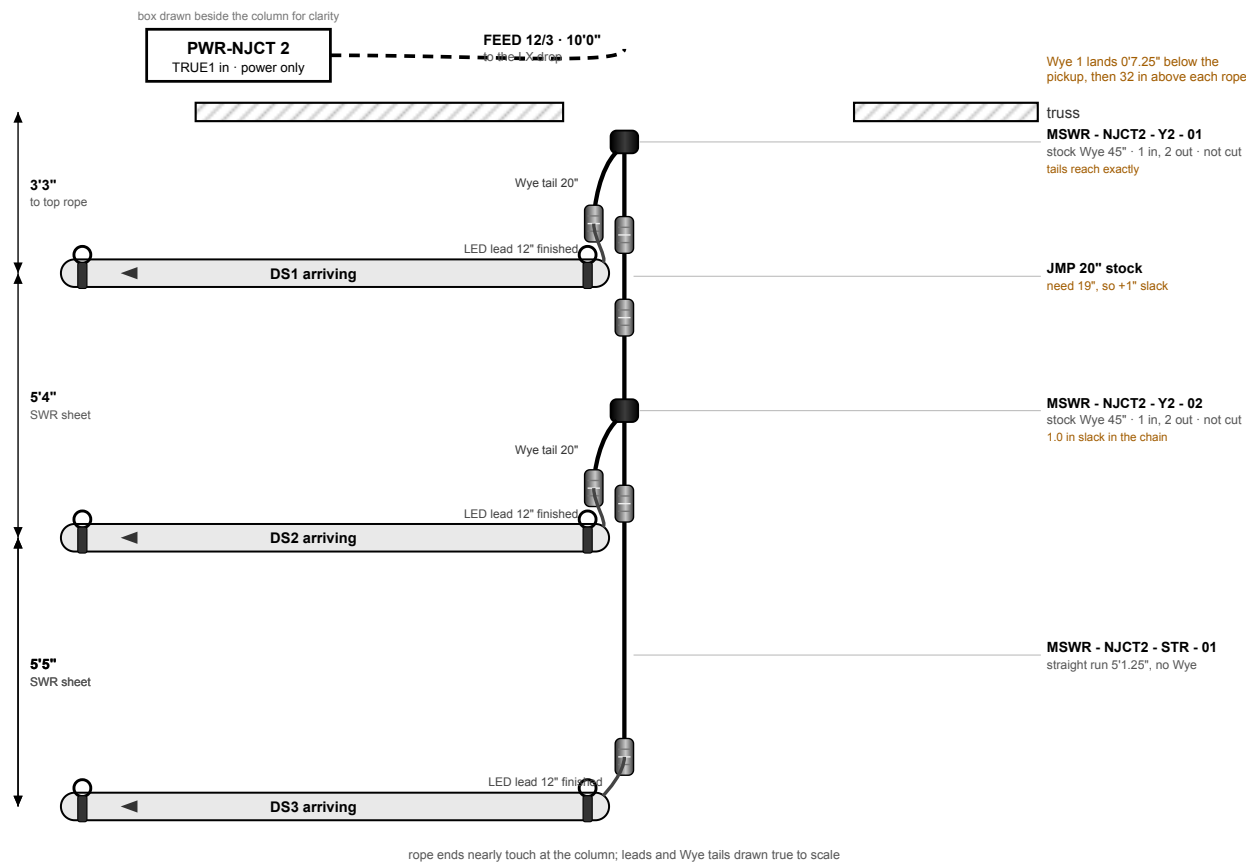
Mid span · 3 ropes · LX drop · Josh tab MS WIRE ROPE / Winch 1 · drawn to scale from the SWR schedule



Same build at USWR - NJCT 3 (USP split), ropes US4 / US5 / US6: top drop 3'5", gaps 5'2" and 5'4". Same two 20 in jumpers, 3 in and 1 in of slack.

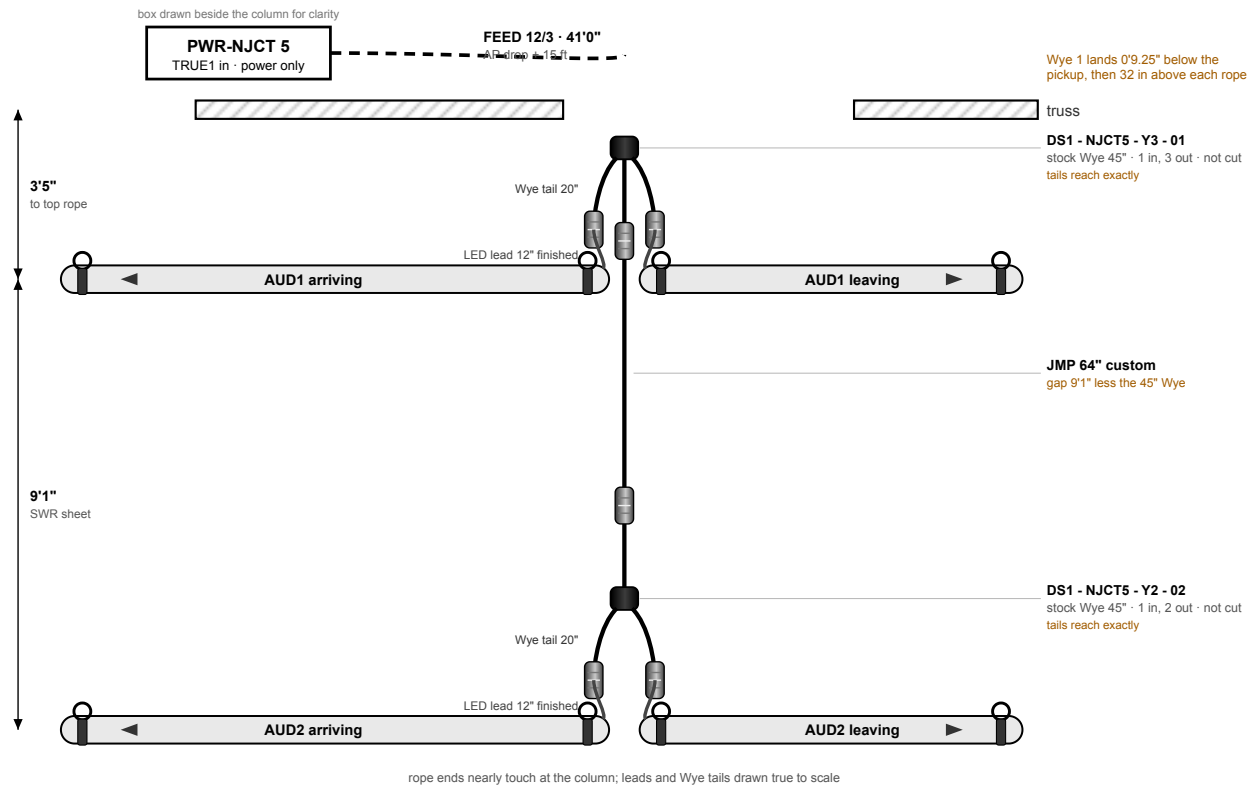
MSWR - NJCT 2 · DS END

End column, rope terminates · 3 ropes · LX drop · Josh tab MS WIRE ROPE / Winch 2 · drawn to scale from the SWR schedule



Same build at USWR - NJCT 4 (US end), ropes US4 / US5 / US6: top drop 3'5", gaps 5'3" and 5'4". The straight to the last run is 4'11.25" there.

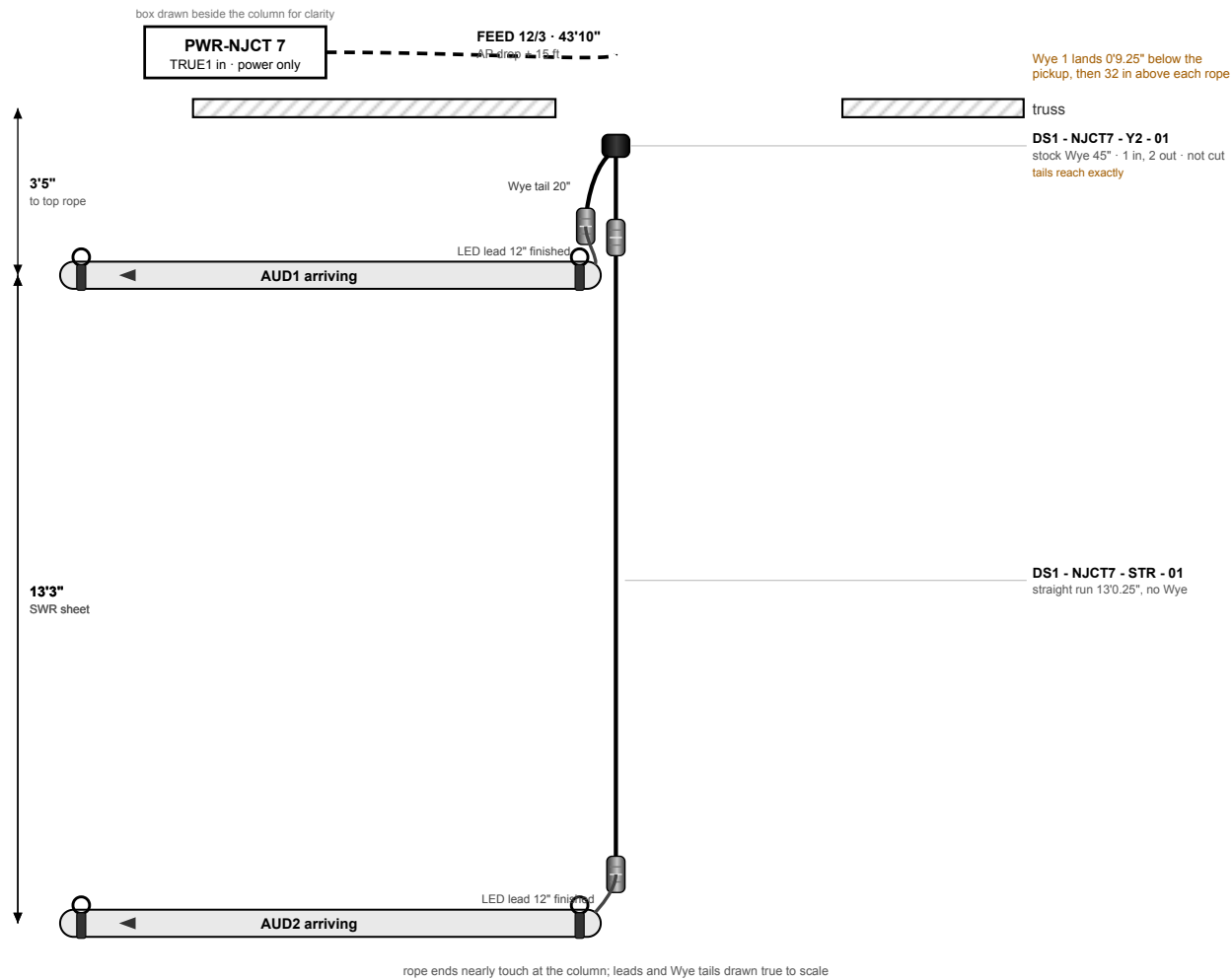
DS1 - NJCT 5 · AP1
Mid span · 2 ropes · fixed drop · Josh tab DS ROPE 1 / Winch 1 · drawn to scale from the SWR schedule



Same build at DS1 - NJCT 6 (AP2): gap 12'5", so the jumper there is 8'8".

DS1 - NJCT 7 · AP3

End column, rope terminates · 2 ropes · fixed drop · Josh tab DS ROPE 1 / Winch 3 · drawn to scale from the SWR schedule



LOCATION NAMES OF RECORD

The left column is Josh's wire schedule. Everything KG3 prints, draws, or builds uses the ID in the second column, so the label, this drawing, the work order, and bea.kg3.io all read the same.

JOSH SLADE SWR TAB	KG3 ID	INJECTION POINT	ROPES	STAGE POSITION	TOP DROP · GAPS
MS WIRE ROPE / Winch 1	MSWR - NJCT1	PWR-NJCT 1, DSP split	DS1 / DS2 / DS3	on centerline, 19'3" upstage	3'3" · 5'4" · 5'5"
MS WIRE ROPE / Winch 2	MSWR - NJCT2	PWR-NJCT 2, DS end	DS1 / DS2 / DS3	29'10" SL, 12'11" upstage	3'3" · 5'4" · 5'5"
US WIRE ROPE / Winch 1	USWR - NJCT3	PWR-NJCT 3, USP split	US4 / US5 / US6	8'5" SL, 27'7" upstage	3'5" · 5'2" · 5'4"
US WIRE ROPE / Winch 2	USWR - NJCT4	PWR-NJCT 4, US end	US4 / US5 / US6	30'4" SL, 24'3" upstage	3'5" · 5'3" · 5'4"
DS ROPE 1 / Winch 1	DS1 - NJCT5	PWR-NJCT 5, AP1	AUD1 / AUD2	20'11" SR, on the DS motor line	3'5" · 9'1"
DS ROPE 1 / Winch 2	DS1 - NJCT6	PWR-NJCT 6, AP2	AUD1 / AUD2	15'2" SR, 32'10" downstage of AP1	3'5" · 12'5"
DS ROPE 1 / Winch 3	DS1 - NJCT7	PWR-NJCT 7, AP3	AUD1 / AUD2	9'7" SR, 65'7" downstage of AP1	3'5" · 13'3"
US 1	none	no injector	USR1	backdrop truss winches	rigging only
US 2	none	no injector	USR2	backdrop truss winches	rigging only

CABLE SCHEDULE AND LABEL INDEX · 37 SERIALIZED PIECES + THE 28 LED LEAD TRIMS

Every line is one physical piece with one serialized label. Labels print **white text on black tape** and go on before the clear heat shrink, one per end. Every piece on this sheet carries **power only on this show**: data starts at the pylon rack and rides through the rope itself, never down a drop. Wire every end to the **NL4-spi pin map** anyway, so the same cable can be used for SPI later: **1+ = V+**, **2- = GND**, **1- = SPI data**, 2+ not used. **Pin 1- is landed in every cable** so the 12/3 carries data if it is ever needed, and is **left empty on the NL4 inside the PWR-NJCT box and the rack**.

Connector convention: MALE toward the source, FEMALE toward the load, so a live pin is never left exposed. Wye **input = male**; wye outputs = female; jumper = **male top, female bottom**; straight = male top, female bottom; feeder end = female. Cables mate directly, so an NL4MMX barrel is only needed where two female ends meet. **The LED rope leads are male on one end and female on the other** (in and out), so point every rope the same way: the end **ARRIVING** at a column is male and mates its female wye output directly. **The main rack feeders stay female to female**, NL4 and NL8 alike.

LABEL ID	LOCATION	PIECE	LENGTH	NOTE	CABLE
Molded Wyes, stock 45 in, NOT cut · 15 pieces					
MSWR - NJCT1 - Y3 - 01	DSP split · DS1	Y-3	stock 45"	body 0'7.25" below pickup	12/3
MSWR - NJCT1 - Y3 - 02	DSP split · DS2	Y-3	stock 45"	body 6'0.25" below pickup	12/3
MSWR - NJCT1 - Y2 - 03	DSP split · DS3	Y-2	stock 45"	body 11'5.25" below pickup	12/3
MSWR - NJCT2 - Y2 - 01	DS end · DS1	Y-2	stock 45"	body 0'7.25" below pickup	12/3
MSWR - NJCT2 - Y2 - 02	DS end · DS2	Y-2	stock 45"	body 6'0.25" below pickup	12/3
USWR - NJCT3 - Y3 - 01	USP split · US4	Y-3	stock 45"	body 0'9.25" below pickup	12/3
USWR - NJCT3 - Y3 - 02	USP split · US5	Y-3	stock 45"	body 6'2.25" below pickup	12/3
USWR - NJCT3 - Y2 - 03	USP split · US6	Y-2	stock 45"	body 11'7.25" below pickup	12/3
USWR - NJCT4 - Y2 - 01	US end · US4	Y-2	stock 45"	body 0'9.25" below pickup	12/3
USWR - NJCT4 - Y2 - 02	US end · US5	Y-2	stock 45"	body 6'2.25" below pickup	12/3

DS1 - NJCT5 - Y3 - 01	AP1 · AUD1	Y-3	stock 45"	body 0'9.25" below pickup	12/3
DS1 - NJCT5 - Y2 - 02	AP1 · AUD2	Y-2	stock 45"	body 9'10.25" below pickup	12/3
DS1 - NJCT6 - Y3 - 01	AP2 · AUD1	Y-3	stock 45"	body 0'9.25" below pickup	12/3
DS1 - NJCT6 - Y2 - 02	AP2 · AUD2	Y-2	stock 45"	body 13'2.25" below pickup	12/3
DS1 - NJCT7 - Y2 - 01	AP3 · AUD1	Y-2	stock 45"	body 0'9.25" below pickup	12/3
Jumpers between Wyes · 8 pieces					
MSWR - NJCT1 - JMP - 01	DSP split · DS1 to DS2	jumper	20"	stock 20 in	12/3
MSWR - NJCT1 - JMP - 02	DSP split · DS2 to DS3	jumper	20"	stock 20 in	12/3
MSWR - NJCT2 - JMP - 01	DS end · DS1 to DS2	jumper	20"	stock 20 in	12/3
USWR - NJCT3 - JMP - 01	USP split · US4 to US5	jumper	20"	stock 20 in	12/3
USWR - NJCT3 - JMP - 02	USP split · US5 to US6	jumper	20"	stock 20 in	12/3
USWR - NJCT4 - JMP - 01	US end · US4 to US5	jumper	20"	stock 20 in	12/3
DS1 - NJCT5 - JMP - 01	AP1 · AUD1 to AUD2	jumper	64"	custom	12/3
DS1 - NJCT6 - JMP - 01	AP2 · AUD1 to AUD2	jumper	104"	custom	12/3
Straight runs to a last rope · 3 pieces					
MSWR - NJCT2 - STR - 01	DS end · DS3 last run	straight	5'1.25"	NL4 both ends	12/3
USWR - NJCT4 - STR - 01	US end · US6 last run	straight	4'11.25"	NL4 both ends	12/3
DS1 - NJCT7 - STR - 01	AP3 · AUD2 last run	straight	13'0.25"	NL4 both ends	12/3
Feeders, PWR-NJCT box to Wye 1 · 7 pieces					
MSWR - NJCT1 - FEED - 01	DSP split	feeder	10'0"	to the LX drop	12/3
MSWR - NJCT2 - FEED - 01	DS end	feeder	10'0"	to the LX drop	12/3
USWR - NJCT3 - FEED - 01	USP split	feeder	10'0"	to the LX drop	12/3
USWR - NJCT4 - FEED - 01	US end	feeder	10'0"	to the LX drop	12/3
DS1 - NJCT5 - FEED - 01	AP1	feeder	41'0"	26'0" drop + 15 ft	12/3
DS1 - NJCT6 - FEED - 01	AP2	feeder	45'0"	30'0" drop + 15 ft	12/3
DS1 - NJCT7 - FEED - 01	AP3	feeder	43'10"	28'10" drop + 15 ft	12/3
Spares · 4 pieces					
SPARE - JUMP - 01	case	jumper	5'0"	NL4 both ends	12/3
SPARE - JUMP - 02	case	jumper	5'0"	NL4 both ends	12/3
SPARE - JUMP - 03	case	jumper	5'0"	NL4 both ends	12/3
SPARE - JUMP - 04	case	jumper	5'0"	NL4 both ends	12/3
LED side, cut and terminated by KG3 · 1 pieces					
LED LEAD TRIM - 28x	every rope end at an injection junction	cut + terminate	12" finished	TRIM the 1 m factory lead back to 12" finished (about 27" comes off). NL4 MALE on the 18 ends ARRIVING at a column, NL4 FEMALE on the 10 ends LEAVING , so every rope points	3 core 20AWG

			the same way and the arriving end mates its female Wye output directly.	
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